VYRTYCH

THE TOUCH OF LIGHT

CATALOGUE 2015

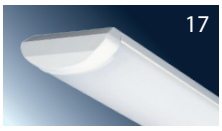
NOVELTIES 2015

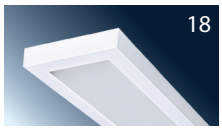
11
BALOT-LED

12
BARBET-LED

13
HOOVER-LED

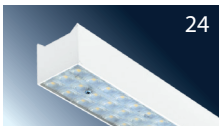
15
PRIME


17
FOX-LED


18
GRIFON-LED

19
HOOVER4-LED

20
VIPET-LED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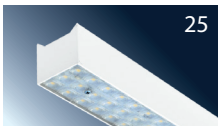
RIDGE 20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RAMBO-LED

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MAWERICK

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APSO

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BARBET-L

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BANDOG-SQUARE

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BALOT-SPORT

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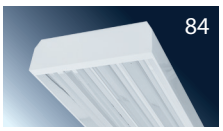
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PLANETE 60D

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NEXILITE

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VESPER-LED

CERTIFICATES AND ACCREDITATION

ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV

CERTIFIKÁT

ČSN EN ISO 9001:2009

VYRTYCH a.s.

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

VYRTYCH a.s.

Quality Management System

ISO 9001 : 2008

Registration Number: CZ – 2278/2012

CQS - Sdružení pro certifikaci systémů jakosti
Pod Lisem 129, 171 02 Praha 8 - Troja
Česká republika

CQS

CERTIFIKÁT

číslo: CQS 2278/2012

VYRTYCH a.s.

ČSN EN ISO 9001 : 2009

CQS - Czech Association for Quality Certification
Pod Lisem 129, 171 02 Praha 8 - Troja
Czech Republic

CQS

CERTIFICATE

No.: CQS 2278/2012

VYRTYCH a.s.

EN ISO 9001 : 2008

Fyzikálně technický zkušební ústav
Ostrava-Radvanice

OZNÁMENÍ O ZABEZPEČOVÁNÍ JAKOSTI

FTZÚ 04 ATEX Q 016

COMPANY CD 2015

We would like to introduce our company CD 2015

CD includes complete information about our firm – company catalogue, catalogue of testing laboratory of light fittings, installation of company calculation programs, product database for WILS program, database with photometric data in Eulumdat (*.ldt) and contact to all company departments.

In case of your interest in sending this CD please order it in sales department by e-mail: sale@vyrtych.cz.

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14 CORSO-LED (IP 65)

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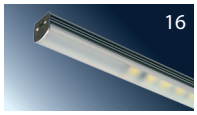
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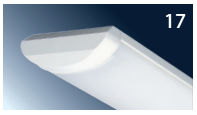
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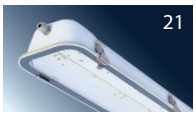
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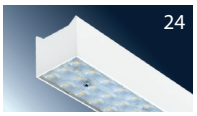
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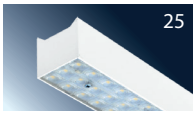
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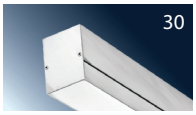
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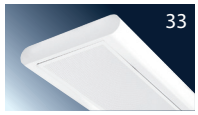
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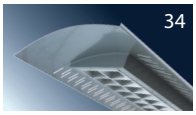
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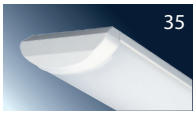
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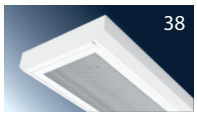
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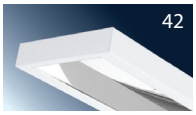
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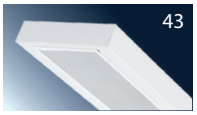
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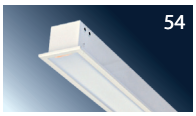
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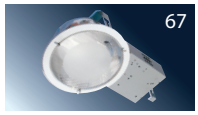
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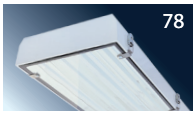
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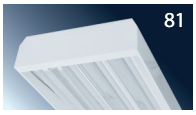
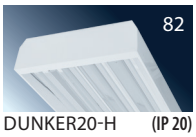

81 DUNKER20 (IP 20)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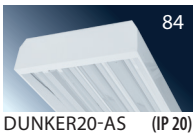
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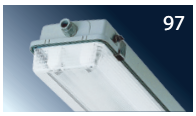
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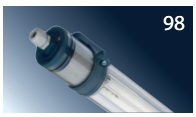
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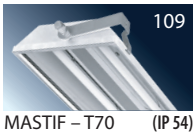
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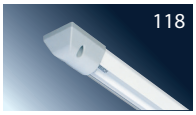
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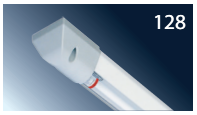
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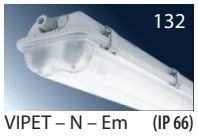
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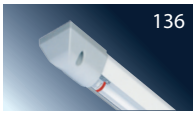
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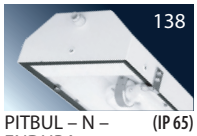
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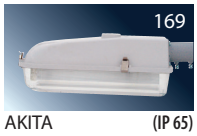
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CATALOGUE 2015 – DATA SHEET FORMAT

Specified area of installation

Degree of protection

Description

Symbols - for the legend of symbols please see page 173

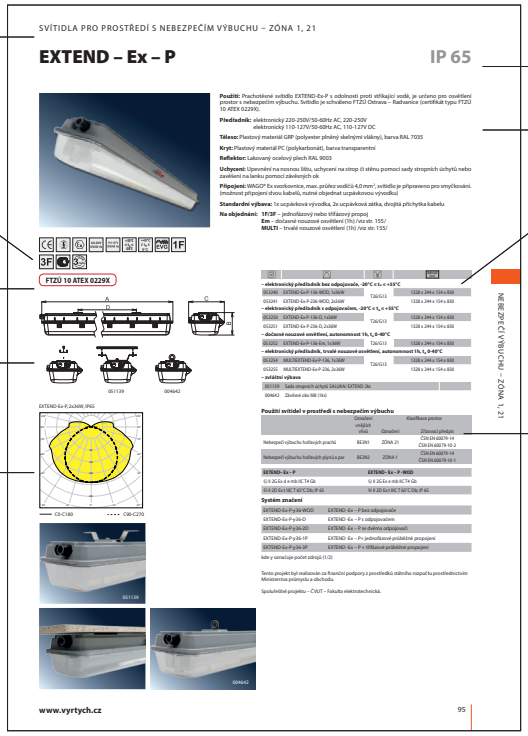
Technical parameters

Certification

Dimensions scheme

Specified application of luminaires in area with danger of explosion

Example of luminous curve



SVÍTIDLA PRO PROSTŘEDÍ S NEBEZPEČÍM VÝBUCHU – ZÓNA 1, 21

EXTEND – Ex – P IP 65

Použití: Prachotěsné svítidlo EXTEND-Ex-P s odolností proti stříkající vodě, je určeno pro osvětlení prostor s nebezpečím výbuchu. Svítidlo je schváleno FTZÚ Ostrava – Radvanice (certifikát typu FTZÚ 10 ATEX 0229X).

Předřadník: elektronický 220-250V/50-60Hz AC, 220-250V elektronický 110-127V/50-60Hz AC, 110-127V DC

Těleso: Plastový materiál GRP (polyester plněný skelnými vlákny), barva RAL 7035

Kryt: Plastový materiál PC (polykarbonát), barva transparentní

Reflektor: Lakovaný ocelový plech RAL 9003

Uchycení: Upevnění na nosnou lištu, uchycení na strop či stěnu pomocí sady stropních úchytů nebo zavěšení na lanku pomocí závěsných ok

Připojení: WAGO® 5x svorkovnice, max. průřez vodičů 4,0 mm², svítidlo je připraveno pro smyčkování. (možnost připojení zvnu kabelů, nutné objednat uzpůsobenou vývodku)

Standardní výbava: 1x uzpůsobená vývodka, 2x uzpůsobená zátka, dvojitá přichytka kabelu

Na objednání: **1F/3F** – jednofázový nebo třífázový propoj
Em – dočasné nouzové osvětlení (1h) /viz str. 155/
MULTI – trvalé nouzové osvětlení (1h) /viz str. 155/

FTZÚ 10 ATEX 0229X

– elektronický předřadník bez odpojovače, -20°C ≤ t_a ≤ +55°C			
052240	EXTEND-Ex-P-36-WOD, 1x36W	T26/G13	1528 x 244 x 154 x 850
052241	EXTEND-Ex-P-26-WOD, 2x26W		1528 x 244 x 154 x 850
– elektronický předřadník s odpojovačem, -20°C ≤ t_a ≤ +55°C			
052242	EXTEND-Ex-P-36-O, 1x36W	T26/G13	1528 x 244 x 154 x 850
052251	EXTEND-Ex-P-26-O, 2x26W		1528 x 244 x 154 x 850
– dočasné nouzové osvětlení, autonomnost 1h, t_a 0-40°C			
052242	EXTEND-Ex-P-36-Em, 1x36W	T26/G13	1528 x 244 x 154 x 850
– elektronický předřadník, trvalé nouzové osvětlení, autonomnost 1h, t_a 0-40°C			
052244	MULTIEXTEND-Ex-P-36, 1x36W	T26/G13	1528 x 244 x 154 x 850
052255	MULTIEXTEND-Ex-P-26, 2x36W		1528 x 244 x 154 x 850
– zvláštní výbava			
051139	Sada stropních úchytů SKULKA EXTEND-Ex		
004642	Závěsné oko M8 (1ks)		

Použití svítidel v prostředí s nebezpečím výbuchu

	Označení vnějších vlivů		Klasifikace prostor	Zřizování zařízení
Nebezpečí výbuchu hořlavých prachů	BE2/AE1	ZÓNA 21		ČSN EN 60079-14 ČSN EN 60079-10-2
Nebezpečí výbuchu hořlavých plynů a par	BE2/BE2	ZÓNA 1		ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND- Ex – P	EXTEND- Ex – P -WOD
II 2 2G Ex d e mb IIC T4 Gb	II 2 2G Ex e mb IIC T4 Gb
II 2 2D Ex tb IIC T 65°C Db, IP 66	II 2 2D Ex tb IIC T 65°C Db, IP 66

Systém značení

EXTEND-Ex-P-36-WOD	EXTEND- Ex – P bez odpojovače
EXTEND-Ex-P-36-O	EXTEND- Ex – P s odpojovačem
EXTEND-Ex-P-36-20	EXTEND- Ex – P s dobíjecím odpojovačem
EXTEND-Ex-P-36-1P	EXTEND- Ex – P – jednofázové průběžné propojení
EXTEND-Ex-P-36-3P	EXTEND- Ex – P – třífázové průběžné propojení

kde y označuje počet zdrojů (1/2)

Tento projekt byl realizován za finanční podpory z prostředků státního rozpočtu prostřednictvím Ministerstva průmyslu a obchodu.

Spolufinančně projektu – ČVUT – Fakulta elektrotechnická.

NEBEZPEČÍ VÝBUCHU – ZÓNA 1, 21

www.vyrtych.cz 95

VYRTYCH

HISTORY

1924 establishment of company Dufek – Elektrotechnický závod, which provided the constructions of secondary distribution nets, constructions of lighting conductors, electroinstallations, maintenance of electroservice and sale of electric motors (Českomoravská Kolben Daněk (ČKD))
1951 activities interrupted by decision of ONV (Regional National Commitee)
1991 establishment of company Ing. Ladislav Vyrtych – Elektrotechnický závod, which continued in tradition of company Dufek – Elektrotechnický závod
1997 establishment of the first private testing laboratory
2000 accreditation of testing laboratory in defined testing of luminaires and photometrical measurements
2002 beginned production in own plastic division plant
2007 transformation on company VYRTYCH a.s.
2008 beginned production in own metal processing plant
2013 implementation of new information system

PROFILE

Company VYRTYCH a.s. operates on the market for period of twenty five years and ranks with the principal Czech lighting producers.. It is modern and dynamic company with Czech ownership.

The area of the company has about 60 000 m^2, where there are situated 7 buildings with total area about 15 000 m^2. There are administrative facilities, stocks and own producing facilities (plastic division, metal plant, lighting assembly lines and other workshops).

The company offers very wide producing range, which comply with most of requirements from the customers. Has own developmental and design department, complete producing technology and accredited testing laboratory, thats enable to satisfy the special requirements for production of atypical providing of luminaires.

The company is specializing on development and production of luminaires for special applications like lighting equipments for areas with danger of explosion, industrial lighting with high degrese of protection against of water and dust penetration (IP54 – IP68), lighting for extremal ambient temperatures and for areas with high risk of damage (antivandal). These products there are highlighted by top-level technical parameters, thats makes us them unique between others.

The company has got the certificates as followed :

IQNet according to ISO 9001:2008

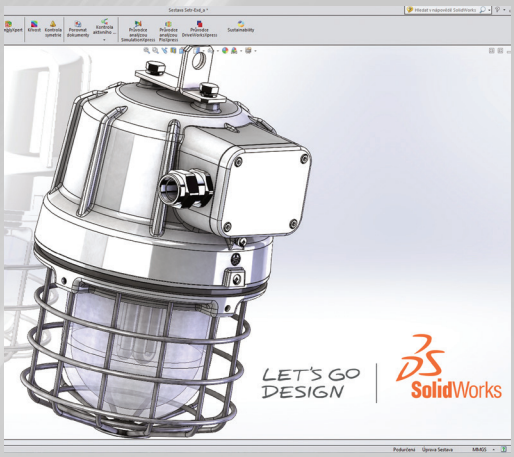
CQS according to ČSN EN ISO 9001:2009

EZU according to ČEN EN ISO 9001:2009

For production of luminaires for areas with danger of explosion with type of protection according to certification our company has got the certificate FTZÚ 04 ATEX Q 016 from FTZÚ certify authority Ostrava-Radvanice.

DEVELOPMENT OF LIGHTING

Development department is equipped with modern software in order to create new efficient designs of lighting models includes lighting engineering characteristics and abilities for parameters optimization just in stage of development. With production of prototypes by means of 3D printing we are able very fast to check the functionality and correctness of design. One of the big advantages is the possibility to use own accredited testing laboratory equipped with modern technology for development of new luminaires.



TECHNICAL SUPPORT

Technical department provide operational and technical support for all departments of company. One of the main activities is arrangement of all technological and producing processes like CNC programs and producing documentation. Another important task is support for sales and technical consulting for customers. Well educated experts of technical support are fully qualified to answer on requirements about functionality and possibilities in frame of lighting projects.

SALE

Sales department in the first place is focused on requirements fulfilment from side of the customers, it means max. possible commercial and technical support with price quotations, lighting design and lighting calculations, trainings for designers and consulting service.

Export activity rate of company VYRTYCH is about 50% from total turnovers. We distribute our products on more than 70 export markets.

The company has got the certificate EAC approved the sales on Customs Union markets like Russia, Belorussia and Kazakhstan.

As regularly we participate on International Lighting Fairs like Light & Building in Frankfurt (Germany) and ELEKTRO Moscow (Russia).

PRODUCTION

Plastic division is equipped with injection technology from Engel, served by technology of mixing, drying or milling. All injection moulds are owned by our company, thats guarantee original design of all plastic parts. The moulds are served by qualified staff and high-quality setters, thats means problem-free operation fulfiled the requirements of production in highest quality.

Metal producton is equipped with various technologies as followed: cut out mashines and folding brakes from company TRUMPF, shaping on automatic Centre bending mashine from company RAS. We use the line for production of louvres from high polished aluminium sheets. The next worksplace in metal plant is fully automatic powder painting shop with integrated technologies for

removal and surface sulfatization treatment. The part of painting shop is also rendering station for environmentally safe. Other technologies of metal plant there are hydraulic press, turning, grinding etc. Also available tool works for maintenance of all equipment and production of smaller tools.

Lighting assembly line is completed by the line for gasket apply in foam material and line for cut of profile material. The final assembly proces is very laboured as for skilfulness and professionalism of assembling staff. Each product 100% tested by functionality, transitional resistence and electric current.

CENTER OF DEVELOPMENTAL AND TESTING LABORATORIES – is czech independent testing laboratory, specialized on testing and check of technical requirements of products before to be supplied on the markets. There are safety tests of low voltage electrical devices, photometrical measurements of lighting fixtures and lamps, material tests, developmental prototypes testing according to specific requirements.

Testing laboratory established in 1997 as the first private testing laboratory in Czech Republic. The first accreditation for lighting testing and photometrical mesurements has got in 2000. Since that time it registered with No 1279 as accredited by Czech Institute for accreditation o.p.s. according the norm ČSN EN ISO/IEC 17025.

In period 2012-2013 testing laboratory was modernized by means of constructed new building. This fact enabled not only enlargement of testing facilities, but also scale of tests. Testing laboratory has got new modern testing technologies for mechanical and material testing, climatic testing, EMC testing and photometrical testing with measurement of photobiological safety.

We offer flexible technical cooperation for producers, distributors and importers of electrical equipments, who wants to check and prove the safety of the products. Modern technical facilities, top-of-the-range instrumental equipment, longterm expiriences and high professionalism of staff is guarantee the high quality of provided services.

Our advantages :
• Professional level of testing
• Modern testing equipment
• Acceptable level of pricing for tesing
• Short terms for provided orders

Provided basic tests:

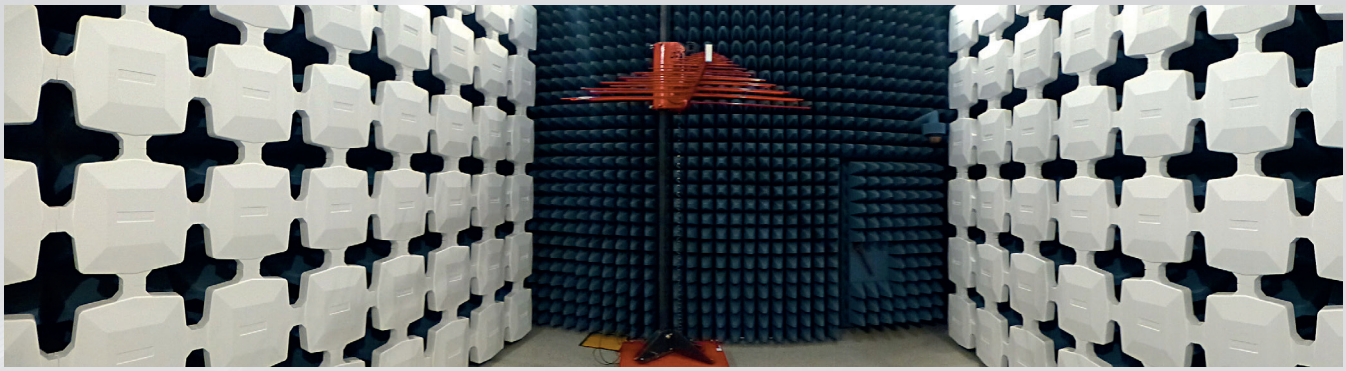
1) Durability tests and thermal tests
During thermal tests there are checked thermal parameters in lighting devices – measured max. surface temperatures of components in specified conditions (ambient temperature, feeding voltage, abnormal conditions, installing position etc.) During durability tests the luminale there are tested under specified conditions (increased ambient temperature, increased voltage, abnormal operation conditions. The tests there are provided in thermal or climatic chamber.

2) Test of resistence against of dust or water penetration (IP)
During of tests is checked the degree of protection (according to the first number of IP marking) by means of testing probe or effected by talcum dust in dust chamber. During the test of resistence against of water penetration (according to the second number of IP marking) is checked by water effect (droped, sprayed, gushed or sinked under the water).

3) Tests of electric safety and construction
There are checked the basic requirements of the norms for protection of devices against of accident by electric current. It is about the tests of electric strenght, isolation and transitional resistence and measurement of touch current and current by protective wire. During costructional tests there are checked constructional requirements of norms for providing of devices with specific components and materials.

4) Photometrical measurements:
There are measurements of luminous flux, lighting distribution of lighting device and sources, its spectral parameters with photobiological safety. Luminous flux is measured in spheric integrator with diameter 2,5m or 2m by means of spectrophotometer. The measurement of lighting distribution is provided by goniophotometer in radiance chamber. Spectral parameters and photobiological safety measured by exact spectroradiometer with dual monochrometer.

5) Electromagnetic compatibility - EMC
The basic types of testing there are the tests of electromagnetic interference/emissions (EMI), tests of electromagnetic resistance/immunity(EMS) and measurements of harmonious currents emissíons.



EMC chamber

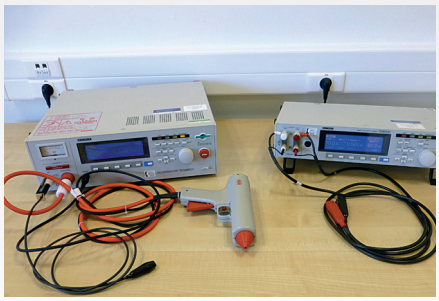
dust chamber

chamber for tests of corrosion

climatic chamber

goniophotometer

tests for protection degree



electric safety

STAINLESS STEEL LIGHTING FIXTURES

VYRTYCH a.s. is producing and developing the lighting fixtures for areas with high demands for resistance against of external chemical and mechanical influences, high temperatures, water penetration etc.

The purchasing of new technologies is allow us to offer expanding of producing range about stainless steel lighting fixtures.

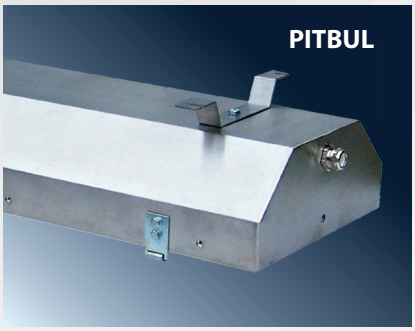
Stainless steel is used for a lot of indoor and outdoor areas as underground parking places, tunnels, bridges, dams, where the luminaire could be in contact with aggressive waters contained chlorides and other substances.

Stainless steel characteristics:

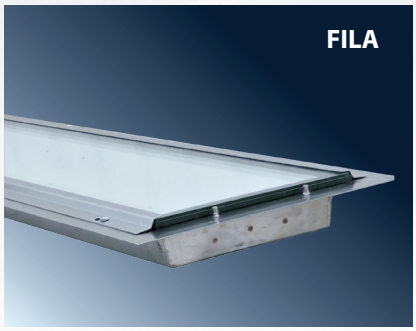
- isn´t magnetic (without magnetic gravitation, but could be partly magnetized)
- isn´t tempered during temperature influence (could be tempered just with special method)
- corrosion-resistant (easy covered with passive layer, which create the resistance against of corrosion)
- optimal mechanical characteristics
- resistance against of extreme temperatures
- resistance against of acid and alkalic products
- sanitary

With technological characteristics and estetic impression the stainless steel has another big advantage as economical characteristics. No any from the weather influences or other conditions could influence the quality of this material . Therefore stainless steel save the costs necessary for maintenance.

Our company use astenic stainless steel according to ČSN EN 10088-2:1.4301



Series	TYPE	Page
PITBUL	PITBUL – I	104
	PITBUL – N, MULTIPITBUL-N	137
	PITBUL – N – ENDURA	138
	PITBUL – Ex	124
	PITBUL – Ex– Em	125
SALUKA	SALUKA	88
	SALUKA – T60, SALUKA – FROST	108
	SALUKA – N	130
EXCALIBUR	EXCALIBUR – Ex	126
FILA	FILA – I	105
	FILA – N	139
BOXER	BOXER	116



LED LIGHTING FIXTURES

BALOT-LED

IP20/IP40

Application: BALOT-LED recessed light fixture is designed for direct lighting in offices, commercial premises and areas with higher maintenance requirements

Ballast: EP – electronic ballast 220-240V/ 50-60 Hz AC, 176-280V DC

Body: White painted metal sheet (RAL9003)

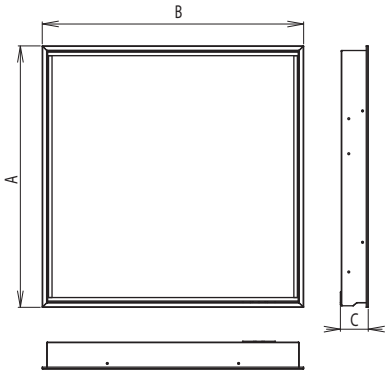
Cover: OP – optical opal plexiglass

Fastening: mounting into M600 or M625 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm.

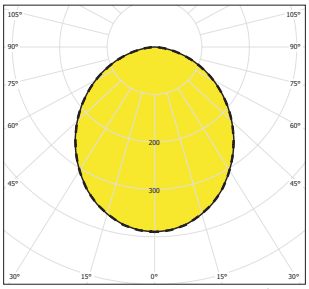
Connection: Screwless terminal block for outside easy installation, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

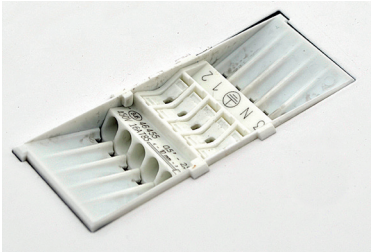
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 155/
MULTI – maintained emergency lighting (1h, 3h) /see page 155/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting
RAL – another colour finnishing

Marking : BALOT-LED- M 600, BALOT2-LED- M 625, BALOT3-LED - plasterboard



BALOT-LED-OP-4K, IP20/IP40





		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast, M 600					
050800	BALOT-SQ-LED-5880-3K	3000	5880	42	597 x 597 x 64
050801	BALOT-SQ-LED-6080-4K	4000	6080	42	597 x 597 x 64
050802	BALOT-SQ-LED-6840-3K	3000	6840	50	597 x 597 x 64
050803	BALOT-SQ-LED-7080-4K	4000	7080	50	597 x 597 x 64
050804	BALOT-LED-5880-3K	3000	5880	42	1197 x 297 x 64
050805	BALOT-LED-6080-4K	4000	6080	42	1197 x 297 x 64
050806	BALOT-LED-6840-3K	3000	6840	50	1197 x 297 x 64
050807	BALOT-LED-7080-4K	4000	7080	50	1197 x 297 x 64
050808	BALOT-LED-7350-3K	3000	7350	52	1495 x 297 x 64
050809	BALOT-LED-7600-4K	4000	7600	52	1495 x 297 x 64
050810	BALOT-LED-8550-3K	3000	8550	62	1495 x 297 x 64
050811	BALOT-LED-8850-4K	4000	8850	62	1495 x 297 x 64

		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast, M 625					
050820	BALOT2-SQ-LED-5880-3K	3000	5880	42	620 x 620 x 64
050821	BALOT2-SQ-LED-6080-4K	4000	6080	42	620 x 620 x 64
050822	BALOT2-SQ-LED-6840-3K	3000	6840	49	620 x 620 x 64
050823	BALOT2-SQ-LED-7080-4K	4000	7080	49	620 x 620 x 64
050824	BALOT2-LED-5880-3K	3000	5880	42	1247 x 307 x 64
050825	BALOT2-LED-6080-4K	4000	6080	42	1247 x 307 x 64
050826	BALOT2-LED-6840-3K	3000	6840	49	1247 x 307 x 64
050827	BALOT2-LED-7080-4K	4000	7080	49	1247 x 307 x 64
050828	BALOT2-LED-7350-3K	3000	7350	52	1546 x 307 x 64
050829	BALOT2-LED-7600-4K	4000	7600	52	1546 x 307 x 64
050830	BALOT2-LED-8550-3K	3000	8550	62	1546 x 307 x 64
050831	BALOT2-LED-8850-4K	4000	8850	62	1546 x 307 x 64

		Tc/λ.	(lm)*	(W)**	AxBxC (mm)	AxB (mm)
– electronic ballast, plasterboard						
050840	BALOT3-SQ-LED-5880-3K	3000	5880	42	602 x 602 x 64	585 x 585
050841	BALOT3-SQ-LED-6080-4K	4000	6080	42	602 x 602 x 64	585 x 585
050842	BALOT3-SQ-LED-6840-3K	3000	6840	50	602 x 602 x 64	585 x 585
050843	BALOT3-SQ-LED-7080-4K	4000	7080	50	602 x 602 x 64	585 x 585
050844	BALOT3-LED-5880-3K	3000	5880	42	1200 x 300 x 64	1185 x 285
050845	BALOT3-LED-6080-4K	4000	6080	42	1200 x 300 x 64	1185 x 285
050846	BALOT3-LED-6840-3K	3000	6840	50	1200 x 300 x 64	1185 x 285
050847	BALOT3-LED-7080-4K	4000	7080	50	1200 x 300 x 64	1185 x 285
050848	BALOT3-LED-7350-3K	3000	7350	52	1500 x 300 x 64	1485 x 285
050849	BALOT3-LED-7600-4K	4000	7600	52	1500 x 300 x 64	1485 x 285
050850	BALOT3-LED-8550-3K	3000	8550	62	1500 x 300 x 64	1485 x 285
050851	BALOT3-LED-8850-4K	4000	8850	62	1500 x 300 x 64	1485 x 285

– special accessories

051138	set of brackets for plasterboard

(lm)* - luminous flux, (W)** - output

BARBET-LED

IP20/IP40

Application: BARBET-LED recessed light fixture is designed for direct lighting in offices and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

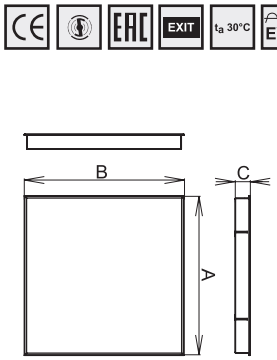
Cover: OP – optical opal plexiglass

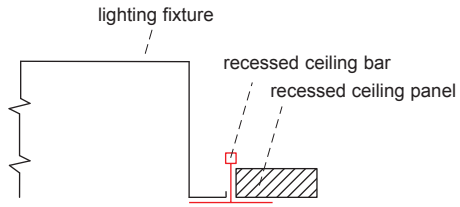
Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and to plasteboard, minimum height of ceiling free cavity is 200 mm.

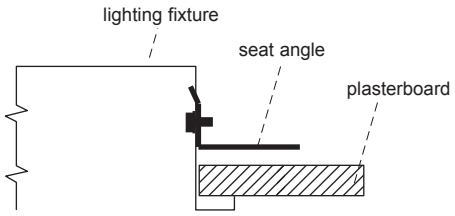
Connection: Screwless terminal block with outside access for easy installation, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

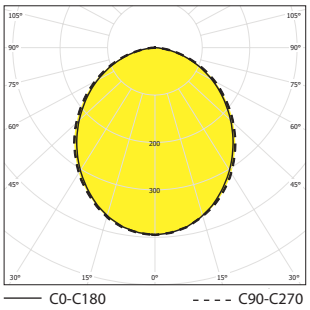
Marking: BARBET-LED- M 600, BARBET2-LED- M 625, BARBET3-LED - plasterboard.







BARBET-LED-D-4K, IP20/IP40

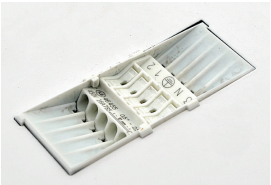


		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast, M 600					
050900	BARBET-SQ-D-LED-6960-3K	3000	6960	55	597 x 597 x 64
050901	BARBET-SQ-D-LED-7160-4K	4000	5120	55	597 x 597 x 64
050902	BARBET-SQ-M-LED-5220-3K	3000	5880	41	597 x 597 x 64
050903	BARBET-SQ-M-LED-5370-4K	4000	6080	41	597 x 597 x 64
050904	BARBET-SQ-M-LED-6960-3K	3000	6840	55	597 x 597 x 64
050905	BARBET-SQ-M-LED-7160-4K	4000	7080	55	597 x 597 x 64
050906	BARBET-SQ-T-LED-5220-3K	3000	4960	41	597 x 597 x 64
050907	BARBET-SQ-T-LED-5370-4K	4000	5120	41	597 x 597 x 64
050908	BARBET-D-LED-6960-3K	3000	6960	55	1195 x 295 x 64
050909	BARBET-D-LED-7160-4K	4000	7160	55	1195 x 295 x 64
050910	BARBET-M-LED-6960-3K	3000	6960	55	1195 x 295 x 64
050911	BARBET-M-LED-7160-4K	4000	7160	55	1195 x 295 x 64

		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast, M 625					
050920	BARBET2-SQ-D-LED-6960-3K	3000	6960	55	620 x 620 x 64
050921	BARBET2-SQ-D-LED-7160-4K	4000	5120	55	620 x 620 x 64
050922	BARBET2-SQ-M-LED-5220-3K	3000	5880	41	620 x 620 x 64
050923	BARBET2-SQ-M-LED-5370-4K	4000	6080	41	620 x 620 x 64
050924	BARBET2-SQ-M-LED-6960-3K	3000	6840	55	620 x 620 x 64
050925	BARBET2-SQ-M-LED-7160-4K	4000	7080	55	620 x 620 x 64
050926	BARBET2-SQ-T-LED-5220-3K	3000	4960	41	620 x 620 x 64
050927	BARBET2-SQ-T-LED-5370-4K	4000	5120	41	620 x 620 x 64
050928	BARBET2-D-LED-6960-3K	3000	6960	55	1247 x 307 x 64
050929	BARBET2-D-LED-7160-4K	4000	7160	55	1247 x 307 x 64
050930	BARBET2-M-LED-6960-3K	3000	6960	55	1247 x 307 x 64
050931	BARBET2-M-LED-7160-4K	4000	7160	55	1247 x 307 x 64

		Tc/λ	(lm)*	(W)**	AxBxC (mm)	AxB (mm)
– electronic ballast, plasterboard						
050940	BARBET3-SQ-D-LED-6960-3K	3000	5880	55	602 x 602 x 64	585 x 585
050941	BARBET3-SQ-D-LED-7160-4K	4000	6080	55	602 x 602 x 64	585 x 585
050942	BARBET3-SQ-M-LED-5220-3K	3000	6840	41	602 x 602 x 64	585 x 585
050943	BARBET3-SQ-M-LED-5370-4K	4000	7080	41	602 x 602 x 64	585 x 585
050944	BARBET3-SQ-M-LED-6960-3K	3000	4960	55	602 x 602 x 64	585 x 585
050945	BARBET3-SQ-M-LED-7160-4K	4000	5120	55	602 x 602 x 64	585 x 585
050946	BARBET3-SQ-T-LED-6960-3K	3000	5880	55	602 x 602 x 64	585 x 585
050947	BARBET3-SQ-T-LED-7160-4K	4000	6080	55	602 x 602 x 64	585 x 585
050948	BARBET3-D-LED-6960-3K	3000	5880	55	1200 x 300 x 64	1185 x 285
050949	BARBET3-D-LED-7160-4K	4000	6080	55	1200 x 300 x 64	1185 x 285
050950	BARBET3-M-LED-6960-3K	3000	4960	55	1200 x 300 x 64	1185 x 285
050951	BARBET3-M-LED-7160-4K	4000	5120	55	1200 x 300 x 64	1185 x 285
– special accessories						
051138	set of brackets for plasterboard					

(lm)* - luminous flux, (W)** - output



HOOVER-LED

IP 65

Application: HOOVER-LED recessed light fixture is primarily designed for premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: EP - electronic 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: White painted metal sheet (RAL9003)

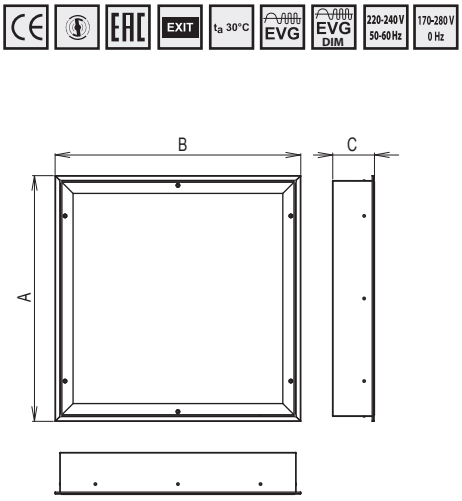
Cover: OP– optical opal plexiglass
MP – optical mikroprismatic cover

Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and to plasteboard with special mounting brackets. Minimum height of ceiling free cavity is 200 mm.

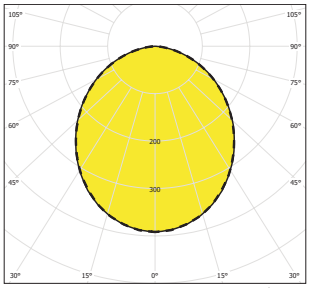
Connection: Screwless terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finishing

Marking: HOOVER-LED – M600, HOOVER2-LED – M625, HOOVER3-LED - plasterboard

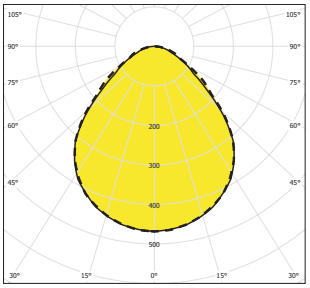


HOOVER-LED-OP-4K, IP65



—— C0-C180 - - - - C90-C270

HOOVER-LED-MP-4K, IP65



—— C0-C180 - - - - C90-C270

		Tc/λ	(lm)*	(W)**	A×B×C (mm)
– electronic ballast, module 600					
057800	HOOVER-SQ-LED-5880-3K	3000	5880	42	597 x 597 x 100
057801	HOOVER-SQ-LED-6080-4K	4000	6080	42	597 x 597 x 100
057802	HOOVER-SQ-LED-6840-3K	3000	6840	50	597 x 597 x 100
057803	HOOVER-SQ-LED-7080-4K	4000	7080	50	597 x 597 x 100
057804	HOOVER-LED-5880-3K	3000	5880	42	1197 x 297 x 100
057805	HOOVER-LED-6080-4K	4000	6080	42	1197 x 297 x 100
057806	HOOVER-LED-6840-3K	3000	6840	50	1197 x 297 x 100
057807	HOOVER-LED-7080-4K	4000	7080	50	1197 x 297 x 100
057808	HOOVER-LED-7350-3K	3000	5880	52	1495 x 297 x 100
057809	HOOVER-LED-7600-4K	4000	6080	52	1495 x 297 x 100
057810	HOOVER-LED-8550-3K	3000	6840	62	1495 x 297 x 100
057811	HOOVER-LED-8850-4K	4000	7080	62	1495 x 297 x 100

		Tc/λ	(lm)*	(W)**	A×B×C (mm)
– electronic ballast, module 625					
057820	HOOVER2-SQ-LED-5880-3K	3000	5880	42	620 x 620 x 100
057821	HOOVER2-SQ-LED-6080-4K	4000	6080	42	620 x 620 x 100
057822	HOOVER2-SQ-LED-6840-3K	3000	6840	50	620 x 620 x 100
057823	HOOVER2-SQ-LED-7080-4K	4000	7080	50	620 x 620 x 100
057824	HOOVER2-LED-5880-3K	3000	5880	42	1247 x 307 x 100
057825	HOOVER2-LED-6080-4K	4000	6080	42	1247 x 307 x 100
057826	HOOVER2-LED-6840-3K	3000	6840	50	1247 x 307 x 100
057827	HOOVER2-LED-7080-4K	4000	7080	50	1247 x 307 x 100
057828	HOOVER2-LED-7350-3K	3000	5880	52	1547 x 307 x 100
057829	HOOVER2-LED-7600-4K	4000	6080	52	1547 x 307 x 100
057830	HOOVER2-LED-8550-3K	3000	6840	62	1547 x 307 x 100
057831	HOOVER2-LED-8850-4K	4000	7080	62	1547 x 307 x 100

		Tc/λ	(lm)*	(W)**	A×B×C (mm)
– electronic ballast, plasterboard					
057840	HOOVER3-SQ-LED-5880-3K	3000	5880	42	620 x 620 x 100
057841	HOOVER3-SQ-LED-6080-4K	4000	6080	42	620 x 620 x 100
057842	HOOVER3-SQ-LED-6840-3K	3000	6840	50	620 x 620 x 100
057843	HOOVER3-SQ-LED-7080-4K	4000	7080	50	620 x 620 x 100
057844	HOOVER3-LED-5880-3K	3000	5880	42	1247 x 307 x 100
057845	HOOVER3-LED-6080-4K	4000	6080	42	1247 x 307 x 100
057846	HOOVER3-LED-6840-3K	3000	6840	50	1247 x 307 x 100
057847	HOOVER3-LED-7080-4K	4000	7080	50	1247 x 307 x 100
057848	HOOVER3-LED-7350-3K	3000	5880	52	1500 x 305 x 100
057849	HOOVER3-LED-7600-4K	4000	6080	52	1500 x 305 x 100
057850	HOOVER3-LED-8550-3K	3000	6840	62	1500 x 305 x 100
057851	HOOVER3-LED-8850-4K	4000	7080	62	1500 x 305 x 100

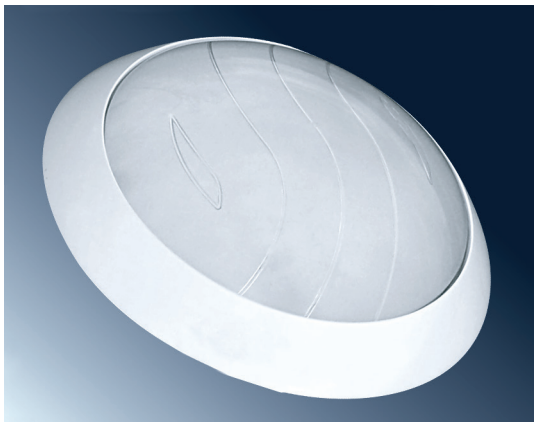
– special accessories

051143	set of brackets for plasterboard HOOVER3/HOUND3 2x
051144	set of brackets for plasterboard HOOVER3/HOUND3 3x/4x
051158	set of brackets for plasterboard HOOVER3 1x

(lm)* - luminous flux, (W)** - output

CORSO – LED

IP 65



Application: CORSO-LED dustproof and waterproof light fixture is designed for interior and exterior lighting with requirements for higher level of protection degree (IP).

Ballast: EP – electronic ballast 100-240V/50-60Hz

Body: Plastic material PC (polycarbonate)

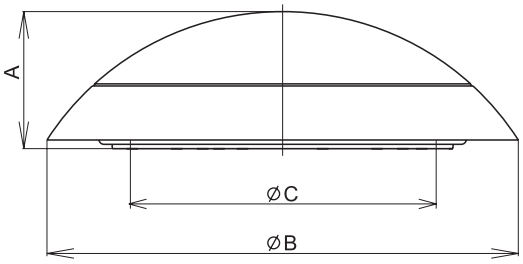
Cover: Plastic material PC (polycarbonate)

Reflector: Only in finishing 1x46W/E27, white painted sheet, 0,6 mm thick

Fastening system: Direct fastening on the ceiling or wall lighted area with two mounting points

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

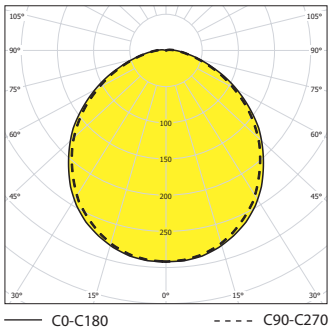
CE | 230 V 50 Hz | t_a30°C | EVG | UV STABIL | 100-240 V 50-60 Hz | EAC



		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast - 350 mA					
050253	CORSO-LED-12-830-350, 12W	3000 K	1400	12	94 x 327 x 213
050252	CORSO-LED-13-840-350, 13W	4000 K	1450	13	94 x 327 x 213

(lm)* - luminous flux (W)** - output

CORSO-LED-4K, IP65



PRIME H SERIES, PRIME L SERIES

IP20

Application: PRIME recessed LED light fixture is designed for lighting offices, shops, banks, corridors, entrance halls and hotels.

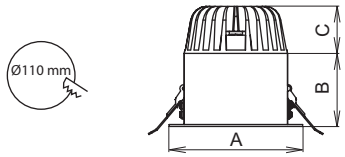
Ballast: EP – electronic 220-240V/50-60Hz (must be ordered separately, see special equipment)

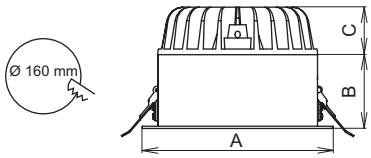
Body: Aluminium casting RAL 9010

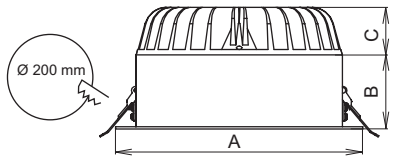
Cover: PC - optical clear polycarbonate cover
OP – opal polycarbonate cover

Fastening: Mounting into recessed ceilings and plasterboards by means of special spring brackets

On request: DIM – dimmable electronic ballast (DSI, DALI)







		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast – 1050mA					
130300	DL-PRIME-H-40-4000-75-D	4000K	2930	40	224 x 67 x 43
130301	DL-PRIME-H-40-4000-40-C	4000K	3240	40	224 x 67 x 43

		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast – 700mA					
130302	DL-PRIME-H-26-4000-40-C	4000K	2170	26	173 x 67 x 43
130303	DL-PRIME-H-26-4000-70-D	4000K	1915	26	173 x 67 x 43
130304	DL-PRIME-L-26-4000-50-C	4000K	2400	26	173 x 22 x 43
130305	DL-PRIME-L-26-4000-80-D	4000K	2250	26	173 x 22 x 43

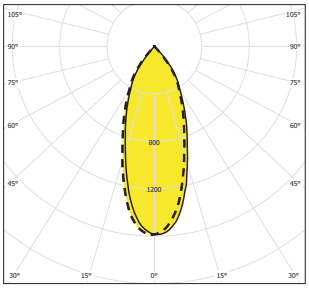
		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast – 350mA					
130306	DL-PRIME-H-12-4000-50-C	4000K	1010	12	122 x 67 x 43
130307	DL-PRIME-H-12-4000-60-D	4000K	840	12	122 x 67 x 43
130308	DL-PRIME-L-12-4000-45-C	4000K	1390	12	122 x 22 x 43
130309	DL-PRIME-L-12-4000-80-D	4000K	1240	12	122 x 22 x 43

– special accessories

000899	Power supply 350mA
000196	Power supply 700mA
000200	Power supply 1050mA

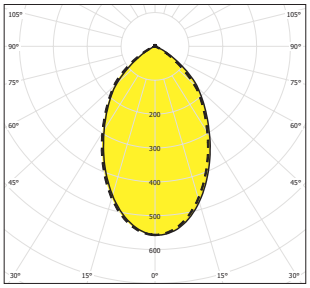
(lm)* - luminous flux, (W)** - output

PRIME H SERIES-C, 40W, IP20



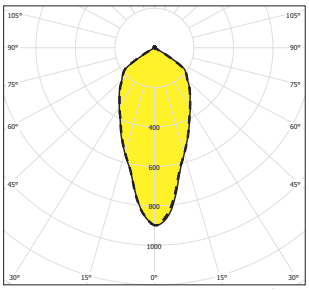
—— C0-C180 - - - - C90-C270

PRIME H SERIES-D, 40W, IP20



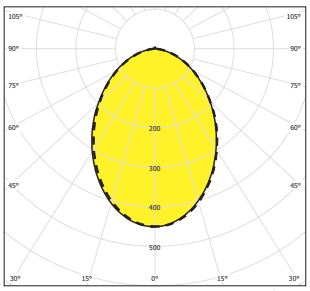
—— C0-C180 - - - - C90-C270

PRIME L SERIES-C, 26W, IP20



—— C0-C180 - - - - C90-C270

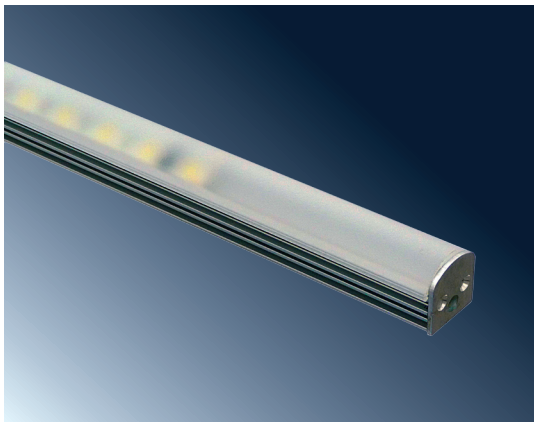
PRIME L SERIES-D, 26W, IP20



—— C0-C180 - - - - C90-C270

LEDLINE

IP 40



Application: LEDLINE light fixture is designed for lighting areas where great emphasis is placed on architectural elements – lighting design.

Ballast: Power supply with output 12V DC

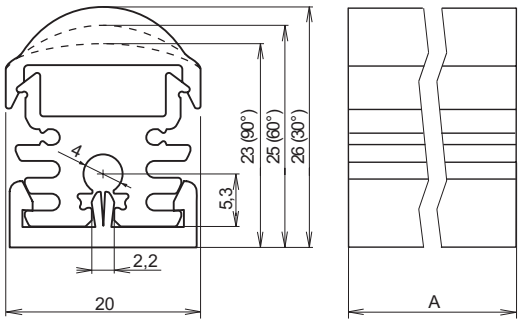
Body: Cooling aluminium profile

Cover: Optical lens from PC (polycarbonate) – customer choice

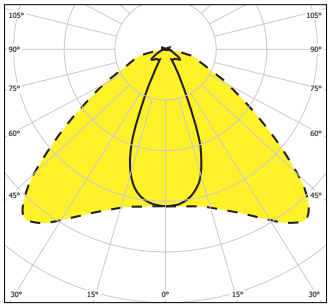
Fastening: Fastening by means of mouting pads. Relative to the lenght profile consult number of pads with producer.

Connection: The two-wire cable leads from light fixture

230 V 50 Hz | t_a 30°C | EVG | 12 V DC | UV STABIL

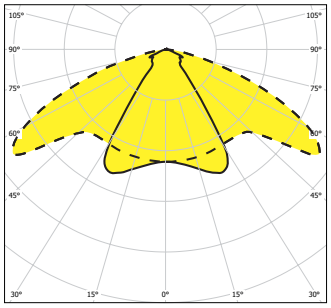


LED-LINE, 30°, IP 40



—— C0-C180 - - - - C90-C270

LED-LINE, 60°, IP 40



—— C0-C180 - - - - C90-C270

		Tc/λ	(lm)	(W)	A (mm)
– IP 40, 12V/DC					
083800	LEDLINE-4,8W-WW	3000 K	390	4,8	1000
083801	LEDLINE-4,8W-DL	6500 K	420	4,8	1000
083802	LEDLINE-4,8W-R,RED	619 – 629 nm	-	4,8	1000
083803	LEDLINE-4,8W-A,AMBER	584 – 594 nm	-	4,8	1000
083804	LEDLINE-4,8W-G,GREEN	530 – 540 nm	-	4,8	1000
083805	LEDLINE-4,8W-B,BLUE	465 – 475 nm	-	4,8	1000
083806	LEDLINE-6,5W-WW	3000 K	530	6,5	1000
083807	LEDLINE-6,5W-DL	6500 K	560	6,5	1000
083808	LEDLINE-6,5W-R,RED	619 – 629 nm	-	6,5	1000
083809	LEDLINE-6,5W-A,AMBER	584 – 594 nm	-	6,5	1000
083810	LEDLINE-6,5W-G,GREEN	530 – 540 nm	-	6,5	1000
083811	LEDLINE-6,5W-B,BLUE	465 – 475 nm	-	6,5	1000
083812	LEDLINE-13,0W-WW	3000 K	1050	13,0	1000
083813	LEDLINE-13,0W-DL	6500 K	1140	13,0	1000
083814	LEDLINE-13,0W-R,RED	619 – 629 nm	-	13,0	1000
083815	LEDLINE-13,0W-A,AMBER	584 – 594 nm	-	13,0	1000
083816	LEDLINE-13,0W-G,GREEN	530 – 540 nm	-	13,0	1000
083817	LEDLINE-13,0W-B,BLUE	465 – 475 nm	-	13,0	1000
083818	LEDLINE-9,6W-WW, 2m	3000 K	780	9,6	2000
083819	LEDLINE-9,6W-DL, 2m	6500 K	840	9,6	2000
083820	LEDLINE-9,6W-R,RED, 2m	619 – 629 nm		9,6	2000
083821	LEDLINE-9,6W-A,AMBER, 2m	584 – 594 nm		9,6	2000
083822	LEDLINE-9,6W-G,GREEN, 2m	530 – 540 nm		9,6	2000
083823	LEDLINE-9,6W-B,BLUE, 2m	465 – 475 nm		9,6	2000
083824	LEDLINE-13,0W-WW, 2m	3000 K	1060	13,0	2000
083825	LEDLINE-13,0W-DL, 2m	6500 K	1120	13,0	2000
083826	LEDLINE-13,0W-R,RED, 2m	619 – 629 nm		13,0	2000
083827	LEDLINE-13,0W-A,AMBER, 2m	584 – 594 nm		13,0	2000
083828	LEDLINE-13,0W-G,GREEN, 2m	530 – 540 nm		13,0	2000
083829	LEDLINE-13,0W-B,BLUE, 2m	465 – 475 nm		13,0	2000
083830	LEDLINE-26,0W-WW, 2m	3000 K	2100	26,0	2000
083831	LEDLINE-26,0W-DL, 2m	6500 K	2280	26,0	2000
083832	LEDLINE-26,0W-R,RED, 2m	619 – 629 nm		26,0	2000
083833	LEDLINE-26,0W-A,AMBER, 2m	584 – 594 nm		26,0	2000
083834	LEDLINE-26,0W-G,GREEN, 2m	530 – 540 nm		26,0	2000
083835	LEDLINE-26,0W-B,BLUE, 2m	465 – 475 nm		26,0	2000

– special accessories

051147	mounting pad (1 pc)
000410	Optical lens 30°– clear
000414	Optical lens 60°– clear
000413	Optical lens 90°– clear
000411	Optical lens 30°– matt
000412	Optical lens 60°– matt
000415	Optical lens 90°– matt
000492	Power supply 12V DC – 18W, IP67
000490	Power supply 12V DC – 35W, IP67
000491	Power supply 12V DC – 60W, IP67

(lm)* - luminous fl ux (W)** - output

FOX-LED

IP 40

Application: FOX-LED interior light fixture is suitable for direct lighting of shops, corridors, toilets and sanitary premises (if there is no requirement for higher level of coverage IP).

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

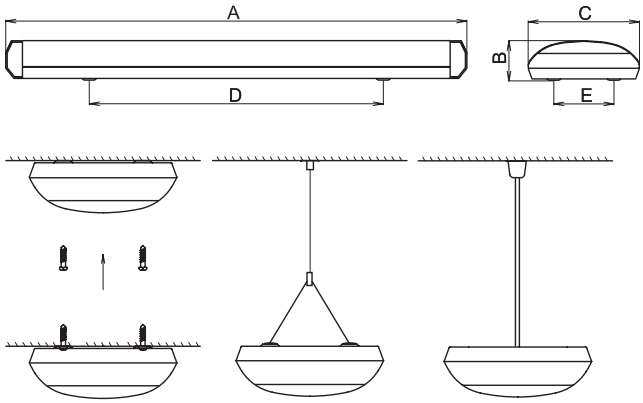
Body: White painted metal sheet (RAL9006)

Cover: PS (polystyren), UV stable diffusion plastic profile

Fastening system: Direct fastening on the ceiling or on the wall

Connection: Screwless terminal block for easy installation, max. diameter of wires 2,5 mm2; light fixture is ready to connect two wires

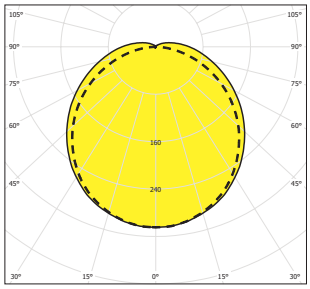
On request: **Em** – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)



		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast					
050380	FOX-LED-3060-3K	3000	3060	23	650 x 63 x 165
050381	FOX-LED-3140-4K	4000	3140	23	650 x 63 x 165
050382	FOX-LED-3480-3K	3000	3480	27	650 x 63 x 165
050383	FOX-LED-3580-4K	4000	3580	27	650 x 63 x 165
050384	FOX-LED-6120-3K	3000	6120	46	1215 x 63 x 165
050385	FOX-LED-6280-4K	4000	6280	46	1215 x 63 x 165
050386	FOX-LED-6960-3K	3000	6960	55	1215 x 63 x 165
050387	FOX-LED-7160-4K	4000	7160	55	1215 x 63 x 165
050388	FOX-LED-7640-3K	3000	7640	46	1495 x 63 x 165
050398	FOX-LED-7860-4K	4000	7860	46	1495 x 63 x 165
050390	FOX-LED-8700-3K	3000	8700	55	1495 x 63 x 165
050391	FOX-LED-8960-4K	4000	8960	55	1495 x 63 x 165

(lm)* - luminous flux, (W)** - output

FOX-LED-4K, IP40



—— C0-C180 - - - - C90-C270

GRIFON-LED

IP 40

Application: GRIFON-LED light fitxures are designed for direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC

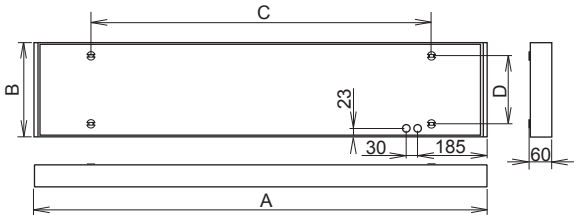
Body: White painted metal sheet (RAL9003)

Cover: OP – optical opal plexiglass

Fastening system: Direct fastening on the ceiling, suspension via cable suspenders

Connection: Screwless terminal block for easy installatio, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

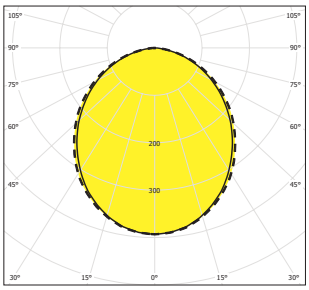
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 155/
MULTI – maintained emergency lighting (1h, 3h) /see page 155/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



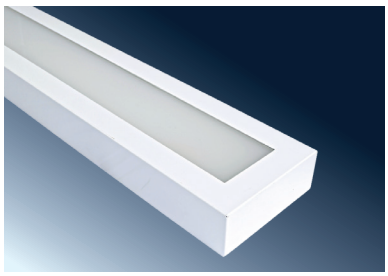
		Tc/λ	(lm)*	(W)**	AxBxCxD (mm)
– electronic ballast					
057480	GRIFON-LED-3060-3K	3000	3060	23	650 x 250 x 270 x 180
057481	GRIFON-LED-3140-4K	4000	3140	23	650 x 250 x 270 x 180
057482	GRIFON-LED-3480-3K	3000	3480	27	650 x 250 x 270 x 180
057483	GRIFON-LED-3580-4K	4000	3580	27	650 x 250 x 270 x 180
057484	GRIFON-LED-6120-3K	3000	6120	46	1200 x 250 x 900 x 180
057485	GRIFON-LED-6280-4K	4000	6280	46	1200 x 250 x 900 x 180
057486	GRIFON-LED-6960-3K	3000	6960	55	1200 x 250 x 900 x 180
057487	GRIFON-LED-7160-4K	4000	7160	55	1200 x 250 x 900 x 180
057488	GRIFON-LED-7640-3K	3000	7640	46	1495 x 250 x 1200 x 180
057489	GRIFON-LED-7860-4K	4000	7860	46	1495 x 250 x 1200 x 180
057490	GRIFON-LED-8700-3K	3000	8700	55	1495 x 250 x 1200 x 180
057491	GRIFON-LED-8960-4K	4000	8960	55	1495 x 250 x 1200 x 180

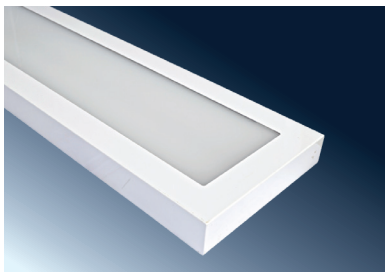
(lm)* - luminous flux, (W)** - output

GRIFON-LED-4K, IP40



C0-C180 - - - - C90-C270





HOOVER4-LED

IP 65

Application: HOOVER4-LED light fixture is designed especially for ares with requirements for higher level of protection degree (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintanance.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC

Body: White painted metal sheet (RAL 9003)

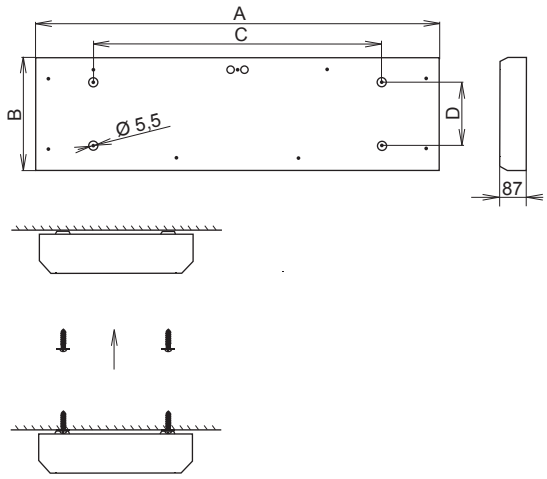
Cover: OP – optical opal plexiglass

Fastening: Direct fastening on the ceiling

Connection: Screwless terminal block for easy installation, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

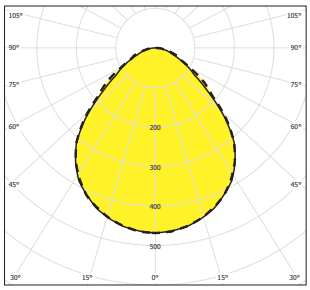
EXIT | t_a 30°C | EVG | EVG DIM | 220-240 V 50-60 Hz | 170-280 V 0 Hz | RAL | SELV 60



		Tc/λ	(lm)*	(W)**	AxBxCxD (mm)
– electronic ballast					
057860	HOOVER4-SQ-LED-5880-3K	3000	5880	42	610 x 592 x 200 x 200
057861	HOOVER4-SQ-LED-6080-4K	4000	6080	42	610 x 592 x 200 x 200
057862	HOOVER4-SQ-LED-6840-3K	3000	6840	50	610 x 592 x 200 x 200
057863	HOOVER4-SQ-LED-7080-4K	4000	7080	50	610 x 592 x 200 x 200
057864	HOOVER4-LED-5880-3K	3000	5880	42	1090 x 355 x 900 x 180
057865	HOOVER4-LED-6080-4K	4000	6080	42	1090 x 355 x 900 x 180
057866	HOOVER4-LED-6840-3K	3000	6840	50	1090 x 355 x 900 x 180
057867	HOOVER4-LED-7080-4K	4000	7080	50	1090 x 355 x 900 x 180
057868	HOOVER4-LED-7350-3K	3000	7350	52	1340 x 355 x 100 x 180
057869	HOOVER4-LED-7600-4K	4000	7600	52	1340 x 355 x 100 x 180
057870	HOOVER4-LED-8550-3K	3000	8550	62	1340 x 355 x 100 x 180
057871	HOOVER4-LED-8850-4K	4000	8850	62	1340 x 355 x 100 x 180

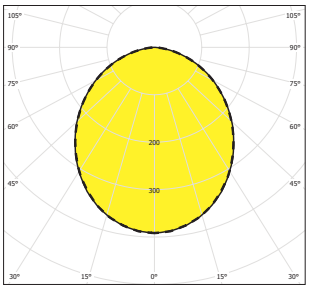
(lm)* - luminous flux, (W)** - output

HOOVER4-LED-MP-4K, IP65



C0-C180 - - - - C90-C270

HOOVER4-LED-OP-4K, IP65



C0-C180 - - - - C90-C270

VIPET-LED

IP 66

Application: VIPET-LED dustproof light fixture with resistance against water jets is designed for lighting agricultural areas, workshops, cellars, garages and production halls.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC

Body: Plastic material PC (polycarbonate), RAL 7035.

Cover: Plastic material PC (polycarbonate)

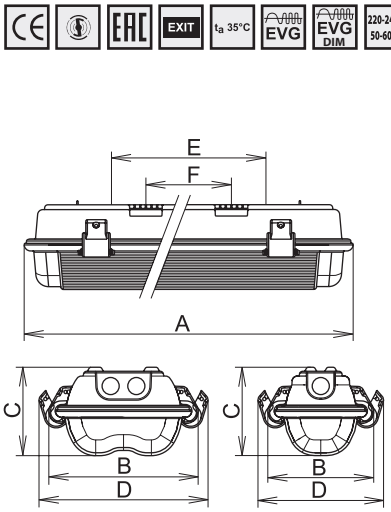
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

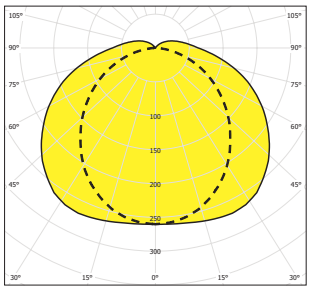
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables

On request: **MULTI** – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
RN - outdoor use of light fixture in uncovered areas
GESIS – possibility to equip light fixtures with connectors



VIPET-LED-4K, IP66



—— C0-C180 - - - - C90-C270

		Tc/λ	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 350mA					
052950	VIPET-LED-4800-136-4K	4000K	4800	35	1290 x 132 x 110 x 156 x 790 x 700
052951	VIPET-LED-6000-158-4K	4000K	6000	44	1590 x 132 x 110 x 156 x 1090 x 1000
052952	VIPET-LED-9600-236-4K	4000K	9600	71	1290 x 186 x 110 x 210 x 790 x 700
052953	VIPET-LED-11990-258-4K	4000K	11990	88	1590 x 186 x 110 x 210 x 1090 x 1000

		Tc/λ	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 300mA					
052955	VIPET-LED-4100-136-4K	4000K	4100	29	1290 x 132 x 110 x 156 x 790 x 700
052956	VIPET-LED-5200-158-4K	4000K	5200	36	1590 x 132 x 110 x 156 x 1090 x 1000
052957	VIPET-LED-8300-258-4K	4000K	8300	58	1290 x 186 x 110 x 210 x 790 x 700
052958	VIPET-LED-10350-258-4K	4000K	10350	73	1590 x 186 x 110 x 210 x 1090 x 1000

		Tc/λ	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 350mA					
052960	VIPET-LED-4600-136-3K	3000K	4600	35	1290 x 132 x 110 x 156 x 790 x 700
052961	VIPET-LED-5800-158-3K	3000K	5800	44	1590 x 132 x 110 x 156 x 1090 x 1000
052962	VIPET-LED-9150-236-3K	3000K	9150	71	1290 x 186 x 110 x 210 x 790 x 700
052963	VIPET-LED-11410-258-3K	3000K	11410	88	1590 x 186 x 110 x 210 x 1090 x 1000

		Tc/λ	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 300mA					
052964	VIPET-LED-3940-136-3K	3000K	3940	29	1290 x 132 x 110 x 156 x 790 x 700
052965	VIPET-LED-4920-158-3K	3000K	4920	36	1590 x 132 x 110 x 156 x 1090 x 1000
052966	VIPET-LED-7900-236-3K	3000K	7900	58	1290 x 186 x 110 x 210 x 790 x 700
052967	VIPET-LED-9840-258-3K	3000K	9840	73	1590 x 186 x 110 x 210 x 1090 x 1000

– special accessories

051106	Plastic suspension bracket with accessories
051130	Self-locking cable suspender - VIPET 1x (2 pcs)
051131	Self-locking cable suspender - VIPET 2x, POINTER (2 pcs)
003571	Stainless steel clip - POINTER, VIPET
001719	Stainless steel fixing spring - VIPET 1x
001718	Stainless steel fixing spring - VIPET 2x, POINTER

(lm)* - luminous flux, (W)** - output

SALUKA – LED

IP 66

Application: SALUKA-LED dustproof light fixture with resistance against water jets is designed for lighting workshops, cellars, garages, kitchens and production halls.

Ballast: EP – electronic ballast 220-240V/50-60Hz AC, 176-280V

Body: White painted metal sheet RAL 9001

Cover: Tempered safety glass

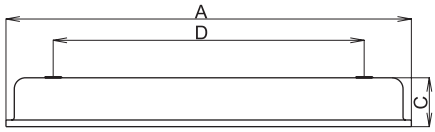
Reflector: White painted metal sheet RAL 9003

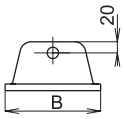
Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of suspension brackets with steel or chain

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

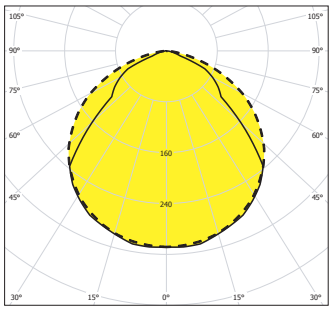
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

On request: **1F/3F** – one or three phase through-wiring connection
DIM – dimmable electronic ballast (DSI, DALI)
NEREZ – body from stainless steel metal sheet
GESIS – possibility to equip light fixtures with connectors





SALUKA-LED-4K



—— C0-C180 - - - - C90-C270

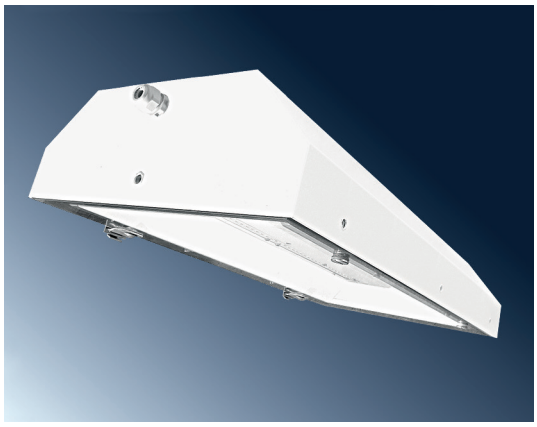
		Tc/λ	(lm)*	(W)**	AxBxCxD (mm)
– electronic ballast					
054270	SALUKA-LED-3060-3K	3000	3060	25	705 x 192 x 90 x 560
054271	SALUKA-LED-3140-4K	4000	6140	25	705 x 192 x 90 x 560
054272	SALUKA-LED-6120-3K	3000	6120	46	1305 x 192 x 90 x 1160
054273	SALUKA-LED-6280-4K	4000	6280	46	1305 x 192 x 90 x 1160
054278	SALUKA-LED-7640-3K	3000	7640	58	1605 x 192 x 90 x 1400
054279	SALUKA-LED-7860-4K	4000	7860	58	1605 x 192 x 90 x 1400

		Tc/λ	(lm)*	(W)**	AxBxCxD (mm)
– electronic ballast					
054274	SALUKA-LED-3480-3K	3000	3480	29	705 x 192 x 90 x 560
054275	SALUKA-LED-3580-4K	4000	3580	29	705 x 192 x 90 x 560
054276	SALUKA-LED-6960-3K	3000	6960	46	1305 x 192 x 90 x 1160
054277	SALUKA-LED-7160-4K	4000	7160	46	1305 x 192 x 90 x 1160
054280	SALUKA-LED-8700-3K	3000	8700	67	1605 x 192 x 90 x 1400
054281	SALUKA-LED-8960-4K	4000	8960	67	1605 x 192 x 90 x 1400

(lm)* - luminous flux, (W)** - output

PITBUL – LED

IP 65



Application: PITBUL-LED dustproof light fixture with resistance against water jets is designed for lighting workshops, warehouses, assembly halls and areas with presence of aggressive substances (i.e. oils, fats).

Ballast: EP – electronic ballast 220-240V/50-60Hz AC, 176-280V DC

Body: White painted metal sheet RAL9003

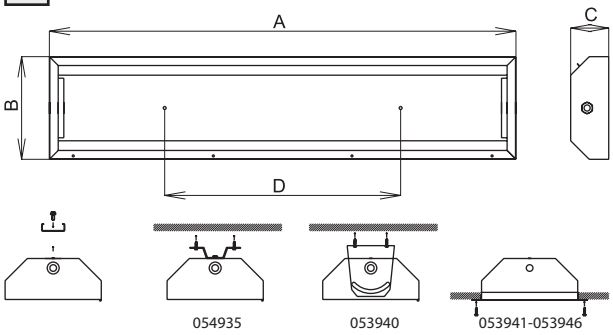
Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

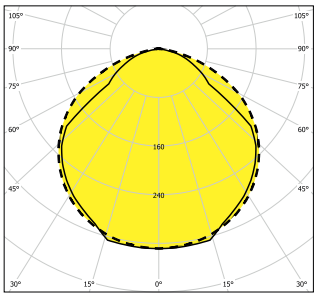
Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm2

On request: MULTI – maintained emergency lighting (1 h, 2 h, 3 h)
DIM – dimmable electronic ballast (DSI, DALI)
1F/3F – one or three phase through-wiring connection
RAL – another colour finnishing
GESIS – possibility to equip light fixtures with connectors
NEREZ – body from stainless steel sheet



PITBUL-LED-102-840-350, 102W, IP65



		Tc/λ.	(lm)*	(W)**	AxBxCxD (mm)
– electronic ballast					
053700	PITBUL-LED-3060-3K	3000	3 060	23	701 x 362 x 130 x 450
053701	PITBUL-LED-3140-4K	4000	3 140	23	701 x 362 x 130 x 450
053702	PITBUL-LED-5600-3K	3000	5 600	42	701 x 362 x 130 x 450
053703	PITBUL-LED-5780-4K	4000	5 780	42	701 x 362 x 130 x 450
053704	PITBUL-LED-6120-3K	3000	6 120	46	1312 x 362 x 130 x 800
053705	PITBUL-LED-6280-4K	4000	6 280	46	1312 x 362 x 130 x 800
053706	PITBUL-LED-11200-3K	3000	11 200	85	1312 x 362 x 130 x 800
053707	PITBUL-LED-11560-4K	4000	11 560	85	1312 x 362 x 130 x 800

		Tc/λ.	(lm)*	(W)**	AxBxCxD (mm)
– electronic ballast					
053708	PITBUL-LED-3480-3K	3000	3 480	27	701 x 362 x 130 x 450
053709	PITBUL-LED-3580-4K	4000	3 580	27	701 x 362 x 130 x 450
053710	PITBUL-LED-6380-3K	3000	6 380	50	701 x 362 x 130 x 450
053711	PITBUL-LED-6580-4K	4000	6 580	50	701 x 362 x 130 x 450
053712	PITBUL-LED-6960-3K	3000	6 960	55	1312 x 362 x 130 x 800
053713	PITBUL-LED-7160-4K	4000	7 160	55	1312 x 362 x 130 x 800
053714	PITBUL-LED-12760-3K	3000	12 760	100	1312 x 362 x 130 x 800
053715	PITBUL-LED-13160-4K	4000	13 160	100	1312 x 362 x 130 x 800

(lm)* - luminous flux, (W)** - output

BOXER – LED

IP 64

Application: BOXER-LED light fixture with dust and water jets resistance is designed for areas with high risk of damage , i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240V/50-60Hz AC, 176-280V DC

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate), transparent colour

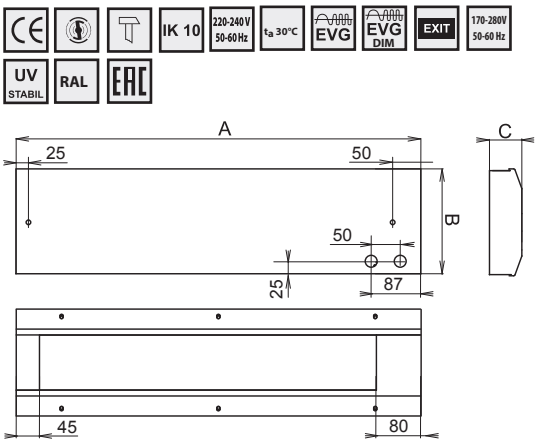
Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area, with recessed frame or set for fastening to the corner

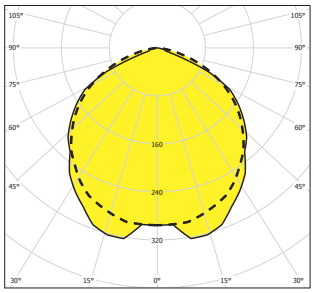
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

On request: **MULTI** – maintained emergency lighting (1 h, 2 h, 3 h)
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finnishing
NEREZ – body from stainless steel sheet
GLASS – tempered safety glass



BOXER-LED-26-840-350, IP 64



C0-C180 - - - - C90-C270

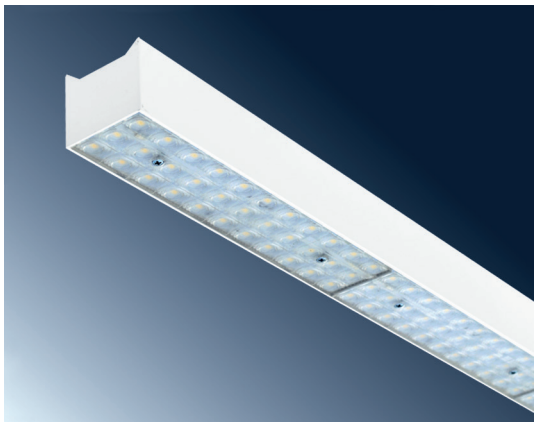
		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast					
053492	BOXER-LED-1400-3K	3000	1400	10	420 x 184 x 56
053495	BOXER-LED-1440-4K	4000	1440	10	420 x 184 x 56
053493	BOXER-LED-2800-3K	3000	2800	21	700 x 184 x 56
053494	BOXER-LED-2880-4K	4000	2880	21	700 x 184 x 56
053496	BOXER-LED-5600-3K	3000	5600	42	1257 x 184 x 56
053497	BOXER-LED-5780-4K	4000	5780	42	1257 x 184 x 56
053498	BOXER-LED-7000-3K	3000	7000	43	1537 x 184 x 56
053499	BOXER-LED-7200-4K	4000	7200	43	1537 x 184 x 56

		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast					
053488	BOXER-LED-1590-3K	3000	1590	13	420 x 184 x 56
053489	BOXER-LED-1640-4K	4000	1640	13	420 x 184 x 56
053490	BOXER-LED-3180-3K	3000	3180	25	700 x 184 x 56
053491	BOXER-LED-3280-4K	4000	3280	25	700 x 184 x 56
053486	BOXER-LED-6380-3K	3000	6380	50	1257 x 184 x 56
053487	BOXER-LED-6580-4K	4000	6580	50	1257 x 184 x 56
054284	BOXER-LED-7950-3K	3000	7950	63	1537 x 184 x 56
053485	BOXER-LED-8200-4K	4000	8200	63	1537 x 184 x 56

(lm)* - poluminous flux, (W)** - power input

RIDGE20

IP 20



Application: Regarding to the luminous characteristic and excellent efficiency, RIDGE20 light fixtures are suitable for mounting in high areas.

Ballast: EP – electronic 220-240V/50-60Hz AC, 220-240V DC

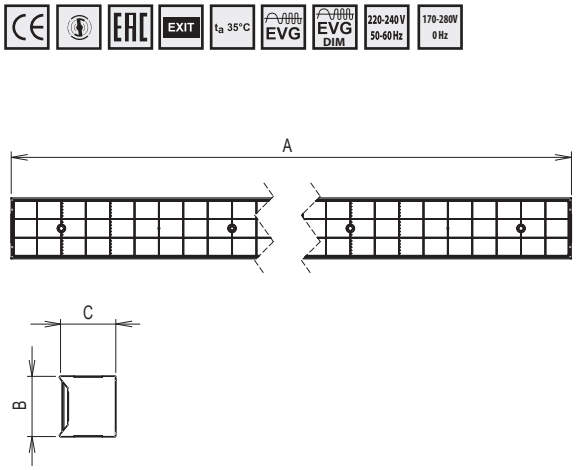
Body: White painted metal sheet (RAL 9003)

Optic: **S** – PMMA optic with wide luminous emittance characteristic (wide radiant)
H - PMMA optic with narrow luminous emittance characteristic (deep radiant)
R - PMMA optic suitable for lighting racking aisles

Fastening: Suspension via cable suspension mechanism

Connection: Three or five-pole conector WAGO

On request: **MULTI** – maintained emergency lighting (1h, 3h)
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (DSI, DALI)
GESIS – possibility to equip light fixtures with connectors



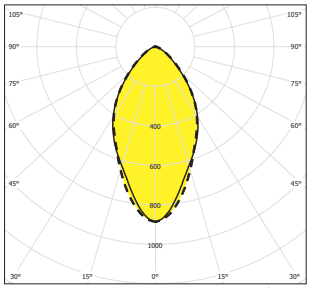
		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast					
050160	RIDGE20-H-4911-4K	4000	4911	38	861 x 64,5 x 60
050161	RIDGE20-H-6548-4K	4000	6548	50	1147 x 64,5 x 60
050162	RIDGE20-H-8185-4K	4000	8185	63	1433 x 64,5 x 60
050163	RIDGE20-H-9822-4K	4000	9822	75	1719 x 64,5 x 60
050164	RIDGE20-S-4911-4K	4000	4911	38	861 x 64,5 x 60
050165	RIDGE20-S-6548-4K	4000	6548	50	1147 x 64,5 x 60
050166	RIDGE20-S-8185-4K	4000	8185	63	1433 x 64,5 x 60
050167	RIDGE20-S-9822-4K	4000	9822	75	1719 x 64,5 x 60
050168	RIDGE20-R-4911-4K	4000	4911	38	861 x 64,5 x 60
050169	RIDGE20-R-6548-4K	4000	6548	50	1147 x 64,5 x 60
050170	RIDGE20-R-8185-4K	4000	8185	63	1433 x 64,5 x 60
050171	RIDGE20-R-9822-4K	4000	9822	75	1719 x 64,5 x 60

– special accessories

119999	Cable suspender – I (1 pc)

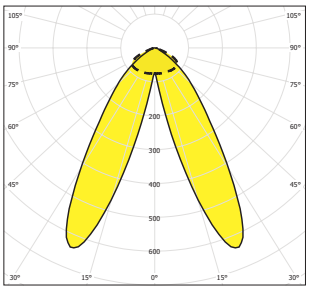
(lm)* - luminous flux, (W)** - output

RIDGE20-H-4K, IP20



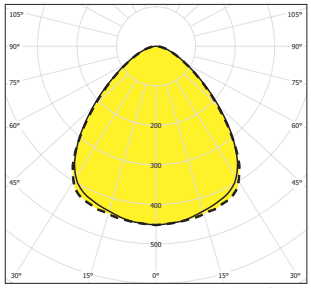
C0-C180 - - - - C90-C270

RIDGE20-R-4K, IP20

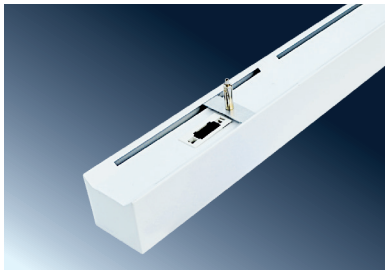


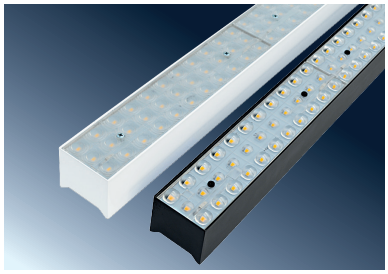
C0-C180 - - - - C90-C270

RIDGE20-S-4K, IP20



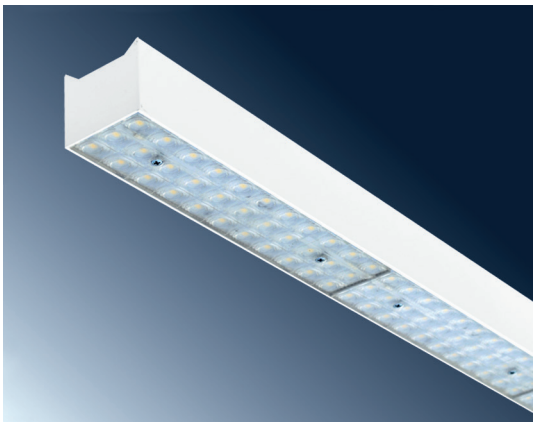
C0-C180 - - - - C90-C270





RIDGE43

IP 43



Application: Regarding to the luminous characteristic and excellent efficiency, RIDGE43 light fixtures are suitable for mounting in high areas with requirement for higher protection degree (IP).

Ballast: EP – electronic 220-240V/50-60Hz AC, 220-240V DC

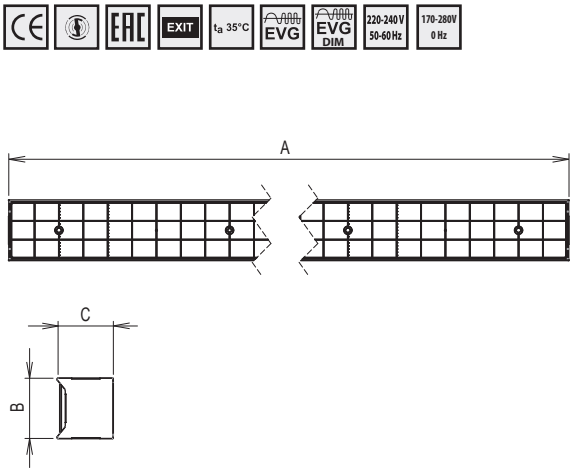
Body: White painted metal sheet (RAL 9003)

Optic: **S** – PMMA optic with wide luminous emittance characteristic (wide radiant)
H - PMMA optic with narrow luminous emittance characteristic (deep radiant)
R - PMMA optic suitable for lighting racking aisles

Fastening: Suspension via suspension brackets

Connection: Three-pole or five-pole conector GESIS

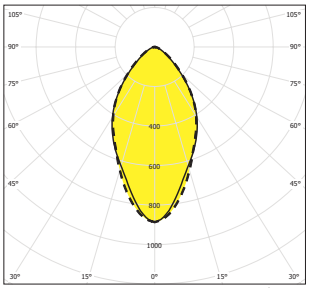
On request: **MULTI** – maintained emergency lighting (1h, 3h)
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (DSI, DALI)



		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast					
050176	RIDGE43-H-4911-4K	4000	4911	38	861 x 64,5 x 60
050177	RIDGE43-H-6548-4K	4000	6548	50	1147 x 64,5 x 60
050178	RIDGE43-H-8185-4K	4000	8185	63	1433 x 64,5 x 60
050179	RIDGE43-H-9822-4K	4000	9822	75	1719 x 64,5 x 60
050180	RIDGE43-S-4911-4K	4000	4911	38	861 x 64,5 x 60
050181	RIDGE43-S-6548-4K	4000	6548	50	1147 x 64,5 x 60
050182	RIDGE43-S-8185-4K	4000	8185	63	1433 x 64,5 x 60
050183	RIDGE43-S-9822-4K	4000	9822	75	1719 x 64,5 x 60
050184	RIDGE43-R-4911-4K	4000	4911	38	861 x 64,5 x 60
050185	RIDGE43-R-6548-4K	4000	6548	50	1147 x 64,5 x 60
050186	RIDGE43-R-8185-4K	4000	8185	63	1433 x 64,5 x 60
050187	RIDGE43-R-9822-4K	4000	9822	75	1719 x 64,5 x 60
– special accessories					
003578	Suspension bracket M5x10				

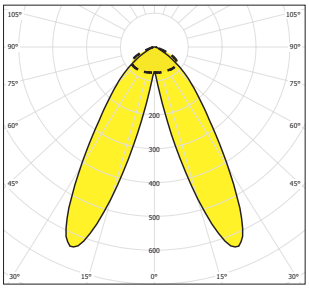
(lm)* - luminous flux, (W)** - output

RIDGE43-H-4K, IP43



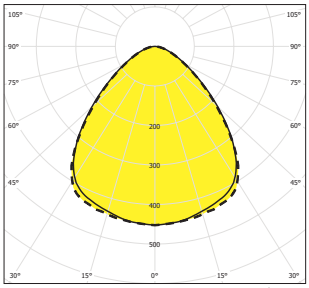
C0-C180 - - - - C90-C270

RIDGE43-R-4K, IP43

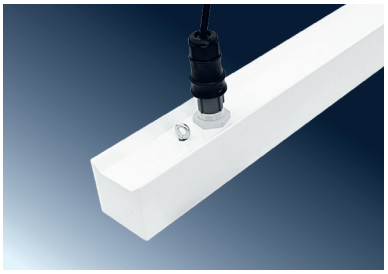


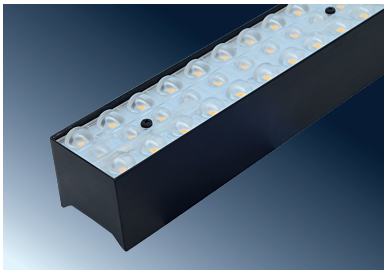
C0-C180 - - - - C90-C270

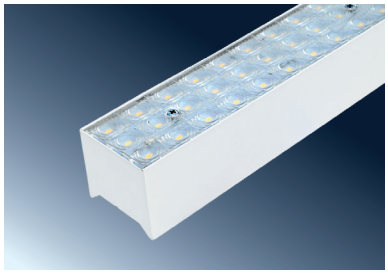
RIDGE43-S-4K, IP43



C0-C180 - - - - C90-C270







AQUA-LED

IP 68

Application: AQUA-I-LED dustproof and waterproof light fixture with resistance against water jets and immersion in 20 m is designed for lighting in the car wash, chemical industry, water tanks and swimming pools.

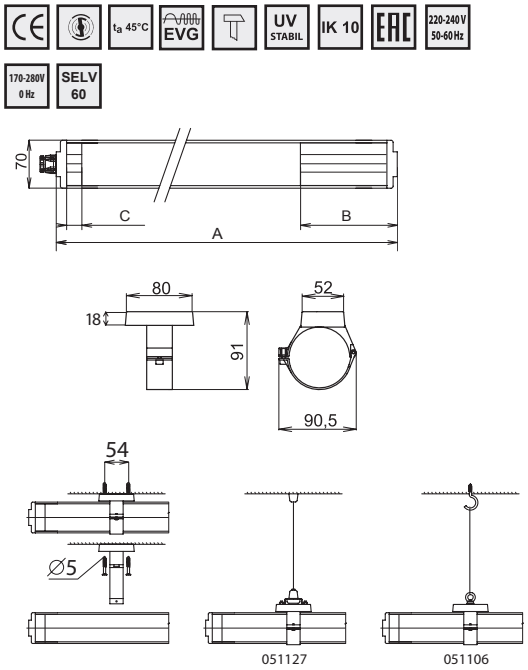
Ballast: EP – electronic ballast 220 – 240V / 50Hz-60 Hz AC, 176-280V DC

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes.

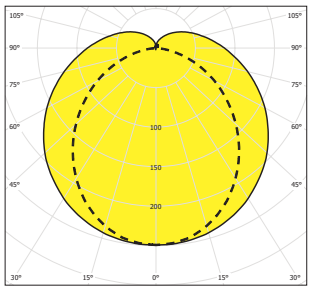
Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: MULTI – maintained emergency lighting (1 h, 3 h) – see page 155
1F/3F – one or three phase through-wiring connection, with separate ballast part or multisource combined version
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors



AQUA-LED-OP-4K, IP68



—— C0-C180 - - - - C90-C270

		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast – 350mA					
083980	AQUA-LED-1630-3K	3000K	1630	14	1102 x 477 x 30
083981	AQUA-LED-1690-4K	4000K	1690	14	1102 x 477 x 30
083982	AQUA-LED-3260-3K	3000K	3260	27	1692 x 502 x 30
083983	AQUA-LED-3380-4K	4000K	3380	27	1692 x 502 x 30
083984	AQUA-LED-4890-3K	3000K	4890	41	2246 x 499 x 30
083985	AQUA-LED-5070-4K	4000K	5070	41	2246 x 499 x 30
083986	AQUA-LED-2340-3K	3000K	2340	20	1412 x 510 x 30
083987	AQUA-LED-2556-4K	4000K	2556	20	1412 x 510 x 30
083988	AQUA-LED-3900-3K	3000K	3900	33	1982 x 515 x 30
083989	AQUA-LED-4260-4K	4000K	4260	33	1982 x 515 x 30

		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast – 300mA					
083990	AQUA-LED-1440-3K	3000K	1440	12	1102 x 477 x 30
083991	AQUA-LED-1490-4K	4000K	1490	12	1102 x 477 x 30
083992	AQUA-LED-2880-3K	3000K	2880	23	1692 x 502 x 30
083993	AQUA-LED-2980-4K	4000K	2980	23	1692 x 502 x 30
083994	AQUA-LED-4320-3K	3000K	4320	35	2246 x 499 x 30
083995	AQUA-LED-4470-4K	4000K	4470	35	2246 x 499 x 30
083996	AQUA-LED-2025-3K	3000K	2025	17	1412 x 510 x 30
083997	AQUA-LED-2220-4K	4000K	2220	17	1412 x 510 x 30
083998	AQUA-LED-3375-3K	3000K	3375	28	1982 x 515 x 30
083999	AQUA-LED-3700-4K	4000K	3700	28	1982 x 515 x 30

		Tc/λ.	(lm)*	(W)**	AxBxC (mm)
– electronic ballast – 250mA					
084000	AQUA-LED-1240-3K	3000K	1240	9	1102 x 477 x 30
084001	AQUA-LED-1280-4K	4000K	1280	9	1102 x 477 x 30
084002	AQUA-LED-2480-3K	3000K	2480	19	1692 x 502 x 30
084003	AQUA-LED-2560-4K	4000K	2560	19	1692 x 502 x 30
084004	AQUA-LED-3720-3K	3000K	3720	28	2246 x 499 x 30
084005	AQUA-LED-3840-4K	4000K	3840	28	2246 x 499 x 30
084006	AQUA-LED-1710-3K	3000K	1710	14	1412 x 510 x 30
084007	AQUA-LED-1890-4K	4000K	1890	14	1412 x 510 x 30
084008	AQUA-LED-2850-3K	3000K	2850	23	1982 x 515 x 30
084009	AQUA-LED-3150-4K	4000K	3150	23	1982 x 515 x 30

– special accessories	
051106	Plastic suspension bracket with accessories
051127	Self-locking cable suspender (2pcs)
053630	Plastic mounting bracket (1pc) - bright grey
053629	Plastic mounting bracket (1pc) -dark grey
053628	Stainless steel bracket AQUA

(lm)* - luminous flux, (W)** - output

RAMBO-LED

IP 67, IP 42

Application: RAMBO-LED light fixture with resistance against water jets is designed for areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic 220-240V/ 50-60Hz AC

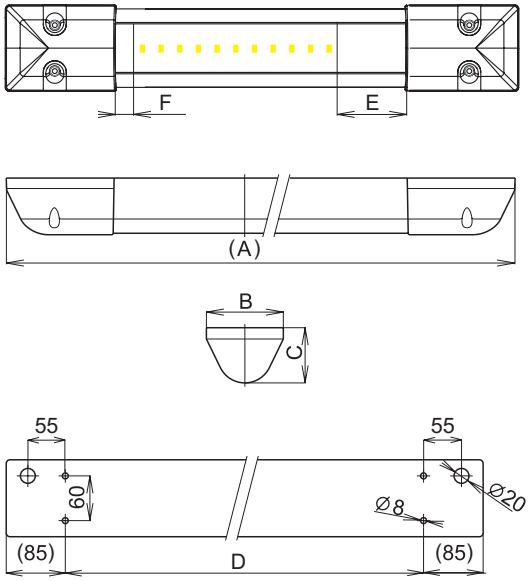
Body: White painted metal sheet RAL9003, plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes in IP67 finishing

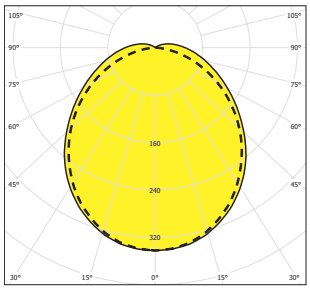
Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

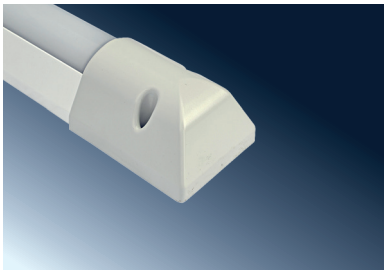
On request: **RAL** – another colour finishing
NEREZ – body from stainless steel sheet
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (DSI, DALI)
1F/3F – one or three phase through-wiring connection, with separate ballast part or multisource combined version
DIM – dimmable electronic ballast (DSI, DALI)
GESIS – possibility to equip light fixtures with connectors



RAMBO-LED-OP-4K, IP67



C0-C180 - - - - C90-C270



IP 67 variant

		Tc/λ.	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 350mA					
084040	RAMBO-LED-1630-3K	3000K	1630	14	1276 x 113 x 76 x 1101 x 420 x 10
084041	RAMBO-LED-1690-4K	4000K	1690	14	1276 x 113 x 76 x 1101 x 450 x 10
084042	RAMBO-LED-3260-3K	3000K	3260	27	1866 x 113 x 76 x 1691 x 450 x 10
084043	RAMBO-LED-3380-4K	4000K	3380	27	1866 x 113 x 76 x 1691 x 450 x 10
084044	RAMBO-LED-2340-3K	3000K	2340	20	1581 x 113 x 76 x 1406 x 450 x 10
084045	RAMBO-LED-2556-4K	4000K	2556	20	1581 x 113 x 76 x 1406 x 450 x 10

		Tc/λ.	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 300mA					
084050	RAMBO-LED-1440-3K	3000K	1440	12	1276 x 113 x 76 x 1101 x 420 x 10
084051	RAMBO-LED-1490-4K	4000K	1490	12	1276 x 113 x 76 x 1101 x 420 x 10
084052	RAMBO-LED-2880-3K	3000K	2880	23	1866 x 113 x 76 x 1691 x 420 x 10
084053	RAMBO-LED-2980-4K	4000K	2980	23	1866 x 113 x 76 x 1691 x 420 x 10
084054	RAMBO-LED-2025-3K	3000K	2025	17	1581 x 113 x 76 x 1406 x 420 x 10
084055	RAMBO-LED-2220-4K	4000K	2220	17	1581 x 113 x 76 x 1406 x 420 x 10

IP 42 variant

		Tc/λ.	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 350mA					
084020	RAMBO-LED-1630-3K	3000K	1630	14	1276 x 113 x 76 x 1101 x 420 x 10
084021	RAMBO-LED-1690-4K	4000K	1690	14	1276 x 113 x 76 x 1101 x 420 x 10
084022	RAMBO-LED-3260-3K	3000K	3260	27	1866 x 113 x 76 x 1691 x 420 x 10
084023	RAMBO-LED-3380-4K	4000K	3380	27	1866 x 113 x 76 x 1691 x 420 x 10
084024	RAMBO-LED-2340-3K	3000K	2340	20	1581 x 113 x 76 x 1406 x 420 x 10
084025	RAMBO-LED-2556-4K	4000K	2556	20	1581 x 113 x 76 x 1406 x 420 x 10

		Tc/λ.	(lm)*	(W)**	AxBxCxDxExF (mm)
– electronic ballast – 300mA					
084030	RAMBO-LED-1440-3K	3000K	1440	12	1276 x 113 x 76 x 1101 x 420 x 10
084031	RAMBO-LED-1490-4K	4000K	1490	12	1276 x 113 x 76 x 1101 x 420 x 10
084032	RAMBO-LED-2880-3K	3000K	2880	23	1866 x 113 x 76 x 1691 x 420 x 10
084033	RAMBO-LED-2980-4K	4000K	2980	23	1866 x 113 x 76 x 1691 x 420 x 10
084034	RAMBO-LED-2025-3K	3000K	2025	17	1581 x 113 x 76 x 1406 x 420 x 10
084035	RAMBO-LED-2220-4K	4000K	2220	17	1581 x 113 x 76 x 1406 x 420 x 10

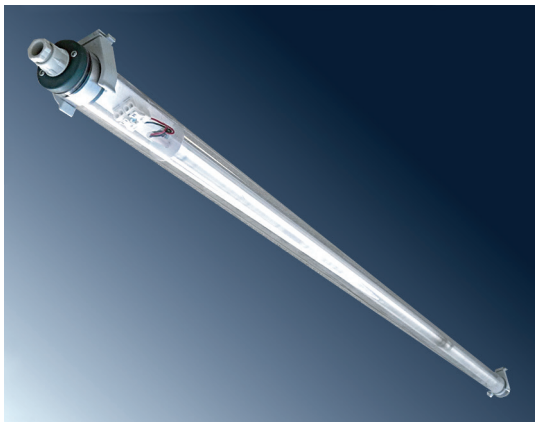
– special accessories

004569	Screw with special head
002020	Spanner for mounting and dismantling special screw

(lm)* - luminous flux, (W)** - output

AQUA – 40 – LED

IP 65



Application: AQUA-40-LED dustproof light fixture with resistance against water jets is designed for lighting corridors, workshops, cellars, bridge and garages.

Ballast: Power supply with output 12V DC
Integrated power supply 230V/50Hz

Body: Plastic tube with outer diameter of 40 mm and wall thickness of 1,5 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes

Reflector: White painted metal sheet RAL9003

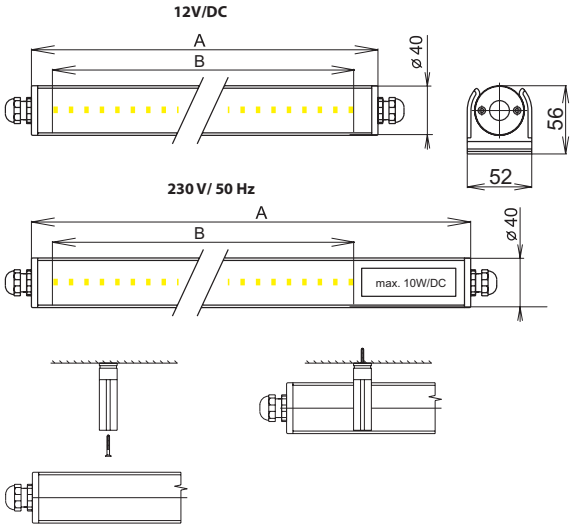
Fastening: Direct fastening on ceiling or with two plastic clips ECLIP 40

Connection: Screwless two-pole terminal block, max. diameter of wires 2,5 mm²

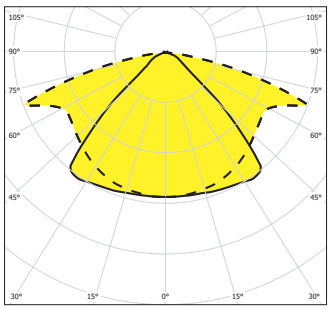
Standard equipment: 1 pc sealing cable gland M16, 1 pc sealing plug M16

On request: GESIS – possibility to equip light fixtures with connectors

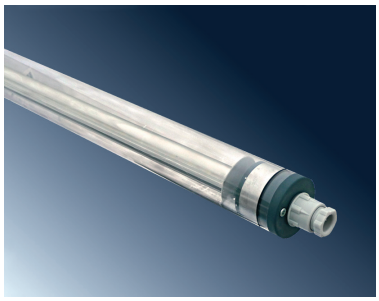
230 V 50 Hz | t_a 30°C | 12 V DC | EVG | UV STABIL | IK 10



AQUA-40-LED, 90° – IP 65



—— C0-C180 - - - - C90-C270



		Tc/λ	(lm)	(W)	AxB (mm)
– IP 65, 230V/50Hz					
083940	AQUA-40-LED-3,9W-WW	3000 K	318	3,9	1036 x 600
083941	AQUA-40-LED-3,9W-DL	6500 K	336	3,9	1036 x 600
083942	AQUA-40-LED-2,9W-R,RED	619 – 629 nm	-	2,9	947 x 600
083943	AQUA-40-LED-2,9W-A,AMBER	584 – 594 nm	-	2,9	947 x 600
083944	AQUA-40-LED-2,9W-G,GREEN	530 – 540 nm	-	2,9	947 x 600
083945	AQUA-40-LED-2,9W-B,BLUE	465 – 475 nm	-	2,9	947 x 600
083946	AQUA-40-LED-7,8W-WW	3000 K	636	7,8	1636 x 1200
083947	AQUA-40-LED-7,8W-DL	6500 K	672	7,8	1636 x 1200
083948	AQUA-40-LED-5,8W-R,RED	619 – 629 nm	-	5,8	1547 x 1200
083949	AQUA-40-LED-5,8W-A,AMBER	584 – 594 nm	-	5,8	1547 x 1200
083950	AQUA-40-LED-5,8W-G,GREEN	530 – 540 nm	-	5,8	1547 x 1200
083951	AQUA-40-LED-5,8W-B,BLUE	465 – 475 nm	-	5,8	1547 x 1200

		Tc/λ	(lm)	(W)	AxB (mm)
Maximum length E = 1500 mm					
– IP 65, 12V/DC					
083960	AQUA-40-LED-6,5W-WW	3000 K	530	6,5	1190 x 1000
083961	AQUA-40-LED-6,5W-DL	6500 K	560	6,5	1190 x 1000
083962	AQUA-40-LED-4,8W-R,RED	619 – 629 nm	-	4,8	1177 x 1000
083963	AQUA-40-LED-4,8W-A,AMBER	584 – 594 nm	-	4,8	1177 x 1000
083964	AQUA-40-LED-4,8W-G,GREEN	530 – 540 nm	-	4,8	1177 x 1000
083965	AQUA-40-LED-4,8W-B,BLUE	465 – 475 nm	-	4,8	1177 x 1000
083966	AQUA-40-LED-13,0W-WW	3000 K	1060	13,0	2190 x 2000
083967	AQUA-40-LED-13,0W-DL	6500 K	1120	13,0	2190 x 2000
083968	AQUA-40-LED-9,6W-R,RED	619 – 629 nm	-	9,6	2177 x 2000
083969	AQUA-40-LED-9,6W-A,AMBER	584 – 594 nm	-	9,6	2177 x 2000
083970	AQUA-40-LED-9,6W-G,GREEN	530 – 540 nm	-	9,6	2177 x 2000
083971	AQUA-40-LED-9,6W-B,BLUE	465 – 475 nm	-	9,6	2177 x 2000

– special accessories

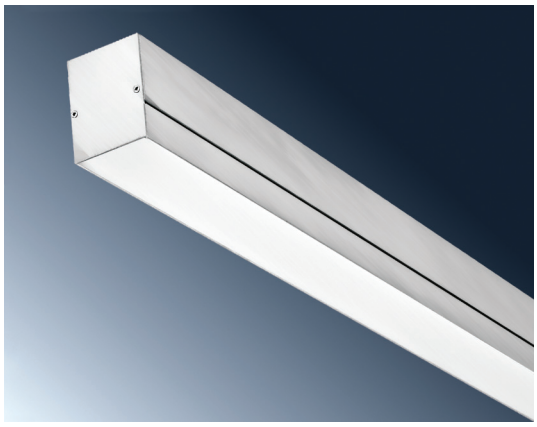
003597	Plastic clip ECLIP 40
000410	Optical lens 30°- clear
000414	Optical lens 60°- clear
000413	Optical lens 90°- clear
000411	Optical lens 30°- matt
000412	Optical lens 60°- matt
000415	Optical lens 90°- matt
000492	Power supply 12V DC – 18W, IP67
000490	Power supply 12V DC – 35W, IP67
000491	Power supply 12V DC – 60W, IP6

(lm)* - luminous fl ux (W)** - output

INTERIOR LIGHTING FIXTURES

MAWERICK

IP 20



Application: MAWERICK light fixture is designed for direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: AL ELOX – anodized aluminium profile

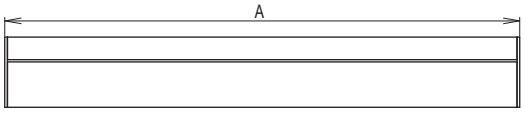
Reflector: MIRO – highly polished aluminium sheet MIRO SILVER®
WR – white painted steel sheet
AR – high polished aluminium szeel sheet

Cover: OP – optical opal cover from PMMA

Fastening system: Direct fastening on the ceiling, suspension via cable suspenders

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm2. Light fixture is ready to connect two wires

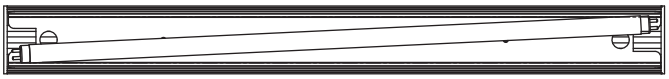
On request: EP – electronic ballast 220-240V DC
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



– electronic ballast			
051500	MAWERICK-114-EP, 1x14W		570 x 59 x 79
051501	MAWERICK-124-EP, 1x24W		570 x 59 x 79
051502	MAWERICK-121-EP, 1x21W		870 x 59 x 79
051503	MAWERICK-139-EP, 1x39W		870 x 59 x 79
051504	MAWERICK-128-EP, 1x28W	T16/G15	1170 x 59 x 79
051505	MAWERICK-154-EP, 1x54W		1170 x 59 x 79
051506	MAWERICK-135-EP, 1x35W		1470 x 59 x 79
051507	MAWERICK-149-EP, 1x49W		1470 x 59 x 79
051508	MAWERICK-180-EP, 1x80W		1470 x 59 x 79
– special accessories			
051155	Ceiling cap with transparent cable 3x1,5 m^2, l =2,5 m		
119999	Cable suspender - l (1 pc)		

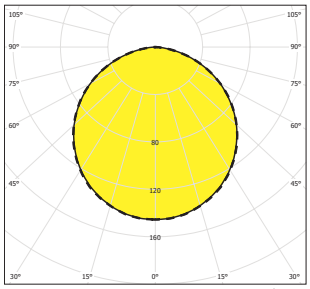
MAWERICK single

MAWERICK middle



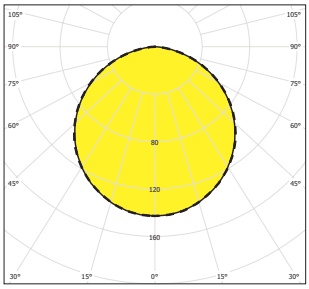
MAWERICK ending

MAWERICK, 1x20W, IP20



C0-C180 - - - - C90-C270

MAWERICK, 1x54W, IP20



C0-C180 - - - - C90-C270

051155

YORK, YORK – D/I

IP 20

Application: YORK light fixtures are designed for direct lighting in offices, schools and commercial premises. YORK-D/I light fixtures are designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

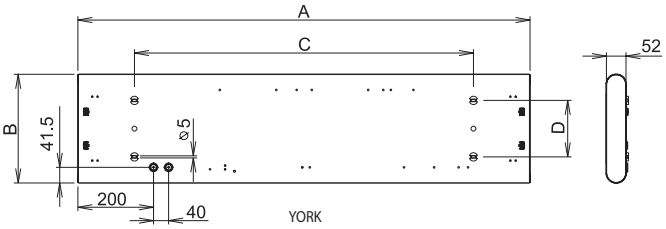
Body: White painted metal sheet (RAL9003)

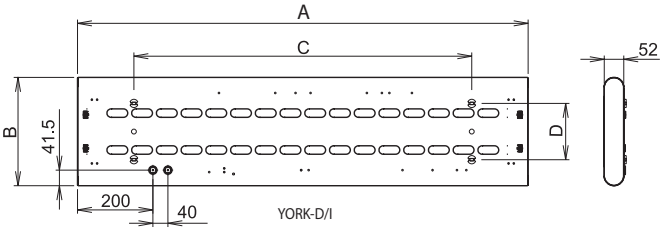
Louvres: DL – parabolic louvre from tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet

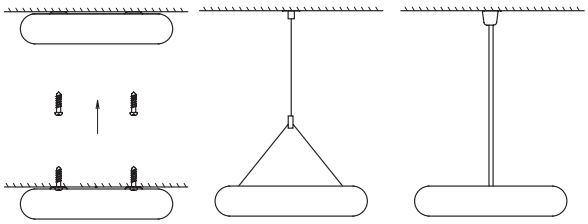
Fastening system: Direct fastening on the ceiling, suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



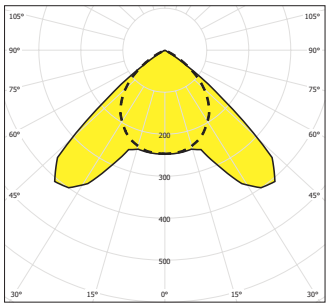




120000 051136

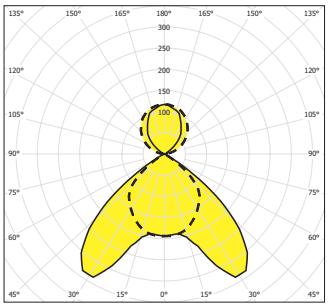
- electronic ballast – louvre from tarnished aluminium sheet			
057005	YORK-228-DL-EP, 2x28W	T16/G5	1200 x 290 x 900 x 150
057006	YORK-254-DL-EP, 2x54W		1200 x 290 x 900 x 150
057007	YORK-235-DL-EP, 2x35W		1500 x 290 x 1200 x 150
057008	YORK-249-DL-EP, 2x49W		1500 x 290 x 1200 x 150
057009	YORK-280-DL-EP, 2x80W		1500 x 290 x 1200 x 150
- electronic ballast – louvre from hig polished aluminium sheet			
057000	YORK-228-BAP-EP, 2x28W	T16/G5	1200 x 290 x 900 x 150
057001	YORK-254-BAP-EP, 2x54W		1200 x 290 x 900 x 150
057002	YORK-235-BAP-EP, 2x35W		1500 x 290 x 1200 x 150
057003	YORK-249-BAP-EP, 2x49W		1500 x 290 x 1200 x 150
057004	YORK-280-BAP-EP, 2x80W		1500 x 290 x 1200 x 150
- electronic ballast – louvre from tarnished aluminium sheet			
057015	YORK-D/I-228-DL-EP, 2x28W	T16/G5	1200 x 290 x 900 x 150
057016	YORK-D/I-254-DL-EP, 2x54W		1200 x 290 x 900 x 150
057017	YORK-D/I-235-DL-EP, 2x35W		1500 x 290 x 1200 x 150
057018	YORK-D/I-249-DL-EP, 2x49W		1500 x 290 x 1200 x 150
057019	YORK-D/I-280-DL-EP, 2x80W		1500 x 290 x 1200 x 150
- electronic ballast – louvre from high polished aluminium sheet			
057010	YORK-D/I-228-BAP-EP, 2x28W	T16/G5	1200 x 290 x 900 x 150
057011	YORK-D/I-254-BAP-EP, 2x54W		1200 x 290 x 900 x 150
057012	YORK-D/I-235-BAP-EP, 2x35W		1500 x 290 x 1200 x 150
057013	YORK-D/I-249-BAP-EP, 2x49W		1500 x 290 x 1200 x 150
057014	YORK-D/I-280-BAP-EP, 2x80W		1500 x 290 x 1200 x 150
- special accessories			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender, l = 600 mm, (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

YORK, 2x54-BAP, IP20



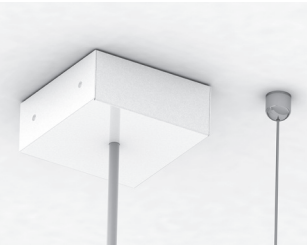
C0-C180 ---- C90-C270

YORK-D/I, 2x35W-BAP, IP20



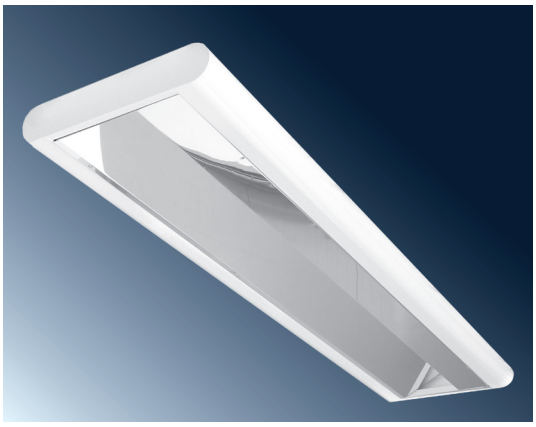
C0-C180 ---- C90-C270

051155



YORK – AS

IP 20



Application: YORK-AS light fixtures are designed for direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

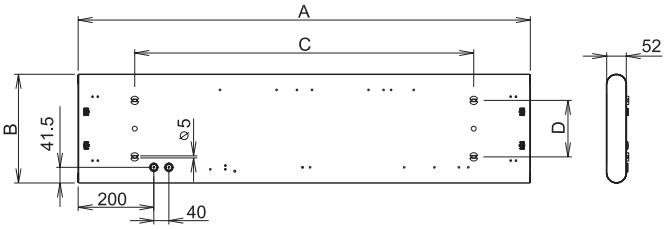
Body: White painted metal sheet (RAL9003)

Reflector: Asymmetric reflector made from high polished aluminium sheet

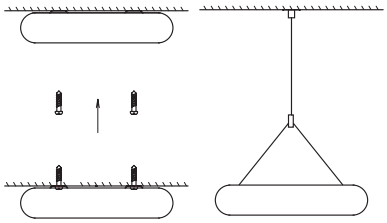
Fastening system: Direct fastening on the ceiling, suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

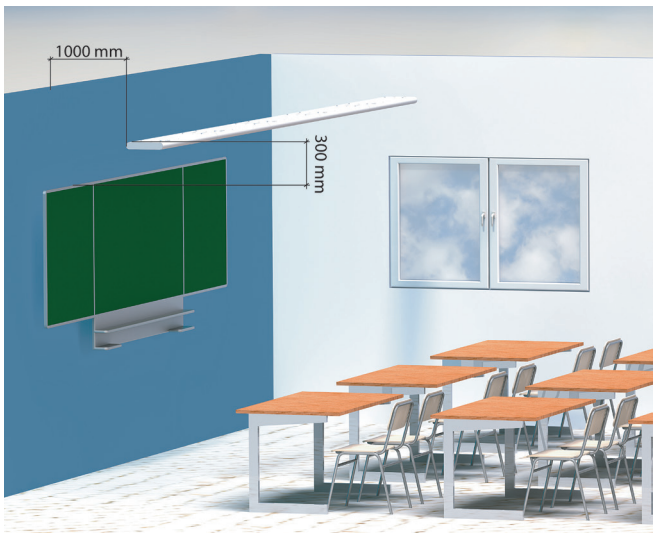
On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



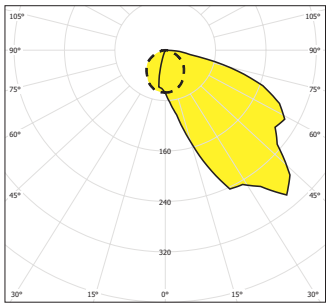
			AxBxCxD (mm)
– electronic ballast			
057020	YORK-AS-128-EP, 1x28W	T16/G5	1200 x 290 x 900 x 150
057021	YORK-AS-154-EP, 1x54W		1200 x 290 x 900 x 150
057022	YORK-AS-135-EP, 1x35W		1500 x 290 x 1200 x 150
057023	YORK-AS-149-EP, 1x49W		1500 x 290 x 1200 x 150
057024	YORK-AS-180-EP, 1x80W		1500 x 290 x 1200 x 150
- special accessories			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

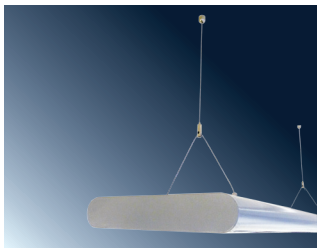


120000

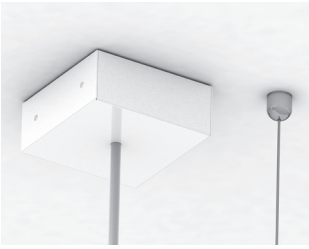


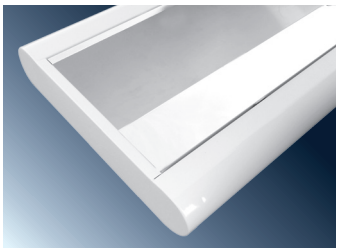
YORK-AS, 2x54-BAP, IP20





051155





YORK – PX, YORK – D/I – PX

IP40, IP20

Application: YORK-PX light fixtures are designed for direct lighting in offices, schools and commercial premises. YORK-D/I-PX light fixtures are designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

Cover: PX – optical prismatic plexiglass
OP – optical opal plexiglass
MP – optical microprism

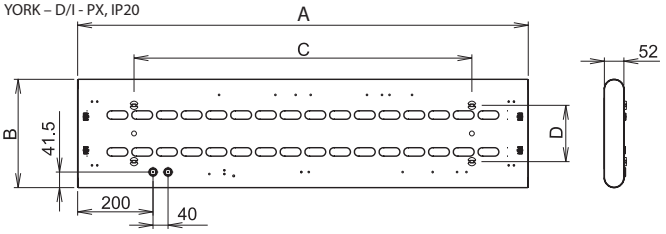
Fastening system: Direct fastening on the ceiling, suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

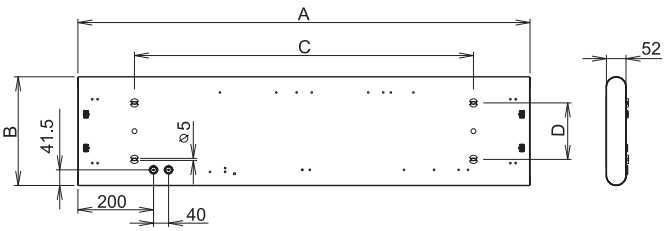
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

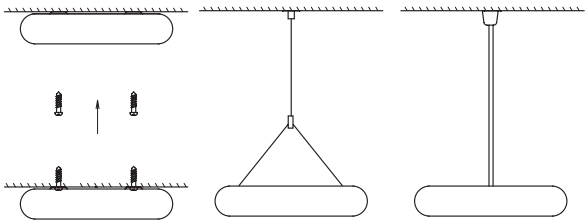
CE | t_a 30°C | EVG | EVG DIM | RAL | 220-240 V 50-60 Hz | EAC | 170-280 V 0 Hz

YORK – D/I - PX, IP20



YORK – PX, IP40

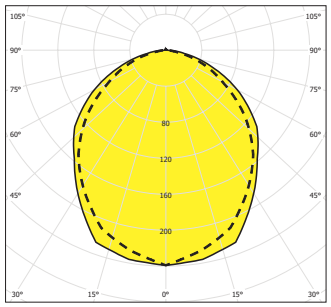




120000 051136

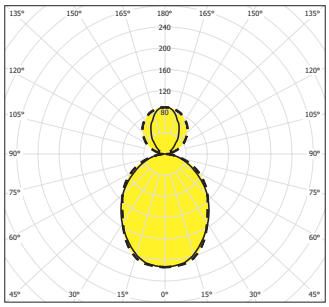
			AxBxCxD (mm)
– electronic ballast			
056970	YORK-214-PX-EP, 2x14W	T16/G5	600 x 290 x 270 x 150
056971	YORK-224-PX-EP, 2x24W		600 x 290 x 270 x 150
056972	YORK-221-PX-EP, 2x21W		900 x 290 x 600 x 150
056973	YORK-239-PX-EP, 2x39W		900 x 290 x 600 x 150
056974	YORK-228-PX-EP, 2x28W		1200 x 290 x 900 x 150
056975	YORK-254-PX-EP, 2x54W		1200 x 290 x 900 x 150
056976	YORK-235-PX-EP, 2x35W		1500 x 290 x 1200 x 150
056977	YORK-249-PX-EP, 2x49W		1500 x 290 x 1200 x 150
056978	YORK-D/I-214-PX-EP, 2x14W		1500 x 290 x 1200 x 150
056980	YORK-D/I-224-PX-EP, 2x24W		600 x 290 x 270 x 150
056981	YORK-D/I-221-PX-EP, 2x21W		600 x 290 x 270 x 150
056982	YORK-D/I-239-PX-EP, 2x39W		900 x 290 x 600 x 150
056983	YORK-D/I-239-PX-EP, 2x39W		900 x 290 x 600 x 150
056984	YORK-D/I-228-PX-EP, 2x28W		1200 x 290 x 900 x 150
056985	YORK-D/I-254-PX-EP, 2x54W		1200 x 290 x 900 x 150
056986	YORK-D/I-235-PX-EP, 2x35W		1500 x 290 x 1200 x 150
056987	YORK-D/I-249-PX-EP, 2x49W		1500 x 290 x 1200 x 150
056988	YORK-D/I-280-PX-EP, 2x80W		1500 x 290 x 1200 x 150
- special accessories			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender, l = 600 mm, (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m)		

YORK-PX, 2x54-BAP, IP20



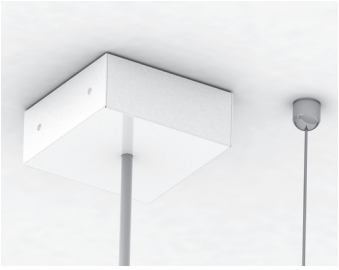
C0-C180 ---- C90-C270

YORK-D/I-PX, 2x54-BAP, IP20



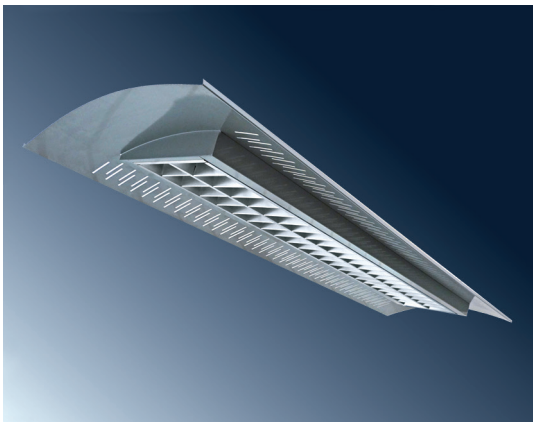
C0-C180 ---- C90-C270

051155



KELPIE, KELPIE – D/I

IP 20



Application: KELPIE suspension light fixtures have elegant design and are suitable for direct lighting in offices, schools and commercial premises. KELPIE-D/I light fitxtures are designed for direct-indirect interior lighting (ratio of radiation -70:30) in representative areas.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Silver painted metal sheet (RAL9006)

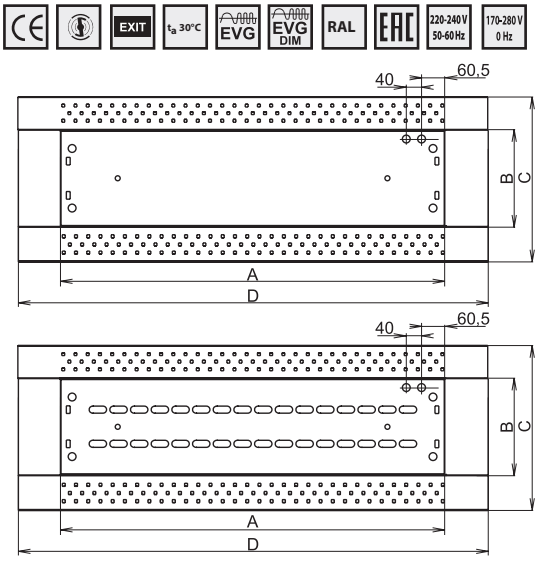
Louvres: DL – parabolic louvre from tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet
MIRO – parabolic louvre from highly polished aluminium sheet MIRO SILVER®

Fastening system: Fastening via self-locking cable suspenders (code 120000) or tube hangers (code 051136)

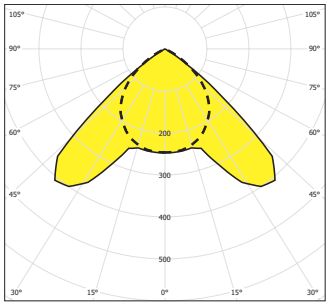
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

Standard equimpent: Cable suspender (code 120000)

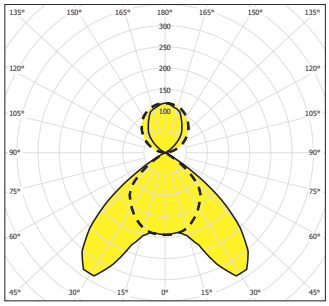


KELPIE, 2x54W, IP20

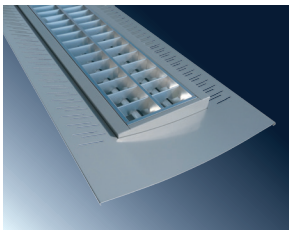


C0-C180 ---- C90-C270

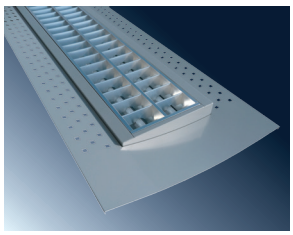
KELPIE – D/I, 2x35W, IP20



C0-C180 ---- C90-C270



Design "wing"– RECTANGLE motive



Design "wing"– SQUARE motive

- electronic ballast – motive Rectangle			
050500	KELPIE-R-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 450 x 1460
050501	KELPIE-R-228-BAP-EP, 2x28W		1200 x 250 x 450 x 1460
050502	KELPIE-R-254-DL-EP, 2x54W		1200 x 250 x 450 x 1460
050503	KELPIE-R-254-BAP-EP, 2x54W		1200 x 250 x 450 x 1460
050504	KELPIE-R-235-DL-EP, 2x35W		1500 x 250 x 450 x 1760
050505	KELPIE-R-235-BAP-EP, 2x35W		1500 x 250 x 450 x 1760
050506	KELPIE-R-249-DL-EP, 2x49W		1500 x 250 x 450 x 1760
050507	KELPIE-R-249-BAP-EP, 2x49W		1500 x 250 x 450 x 1760
050508	KELPIE-R-280-DL-EP, 2x80W		1500 x 250 x 450 x 1760
050509	KELPIE-R-280-BAP-EP, 2x80W		1500 x 250 x 450 x 1760
- electronic ballast – motive Square			
050510	KELPIE-S-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 450 x 1460
050511	KELPIE-S-228-BAP-EP, 2x28W		1200 x 250 x 450 x 1460
050512	KELPIE-S-254-DL-EP, 2x54W		1200 x 250 x 450 x 1460
050513	KELPIE-S-254-BAP-EP, 2x54W		1200 x 250 x 450 x 1460
050514	KELPIE-S-235-DL-EP, 2x35W		1500 x 250 x 450 x 1760
050515	KELPIE-S-235-BAP-EP, 2x35W		1500 x 250 x 450 x 1760
050516	KELPIE-S-249-DL-EP, 2x49W		1500 x 250 x 450 x 1760
050517	KELPIE-S-249-BAP-EP, 2x49W		1500 x 250 x 450 x 1760
050518	KELPIE-S-280-DL-EP, 2x80W		1500 x 250 x 450 x 1760
050519	KELPIE-S-280-BAP-EP, 2x80W		1500 x 250 x 450 x 1760
- electronic ballast – motive Rectangle			
050520	KELPIE-D/I-R-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 450 x 1460
050521	KELPIE-D/I-R-228-BAP-EP, 2x28W		1200 x 250 x 450 x 1460
050522	KELPIE-D/I-R-254-DL-EP, 2x54W		1200 x 250 x 450 x 1460
050523	KELPIE-D/I-R-254-BAP-EP, 2x54W		1200 x 250 x 450 x 1460
050524	KELPIE-D/I-R-235-DL-EP, 2x35W		1500 x 250 x 450 x 1760
050525	KELPIE-D/I-R-235-BAP-EP, 2x35W		1500 x 250 x 450 x 1760
050526	KELPIE-D/I-R-249-DL-EP, 2x49W		1500 x 250 x 450 x 1760
050527	KELPIE-D/I-R-249-BAP-EP, 2x49W		1500 x 250 x 450 x 1760
050528	KELPIE-D/I-R-280-DL-EP, 2x80W		1500 x 250 x 450 x 1760
050529	KELPIE-D/I-R-280-BAP-EP, 2x80W		1500 x 250 x 450 x 1760
- electronic ballast – motive Square			
050530	KELPIE-D/I-S-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 450 x 1460
050531	KELPIE-D/I-S-228-BAP-EP, 2x28W		1200 x 250 x 450 x 1460
050532	KELPIE-D/I-S-254-DL-EP, 2x54W		1200 x 250 x 450 x 1460
050533	KELPIE-D/I-S-254-BAP-EP, 2x54W		1200 x 250 x 450 x 1460
050534	KELPIE-D/I-S-235-DL-EP, 2x35W		1500 x 250 x 450 x 1760
050535	KELPIE-D/I-S-235-BAP-EP, 2x35W		1500 x 250 x 450 x 1760
050536	KELPIE-D/I-S-249-DL-EP, 2x49W		1500 x 250 x 450 x 1760
050537	KELPIE-D/I-S-249-BAP-EP, 2x49W		1500 x 250 x 450 x 1760
050538	KELPIE-D/I-S-280-DL-EP, 2x80W		1500 x 250 x 450 x 1760
050539	KELPIE-D/I-S-280-BAP-EP, 2x80W		1500 x 250 x 450 x 1760
- special accessories			
051136	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

FOX

IP 40

Application: FOX interior light fixture is suitable for direct lighting of shops, corridors, toilets and sanitary premises (if there is no requirement for higher level of coverage IP).

Ballast: K – electromagnetic ballast 230V/50Hz with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

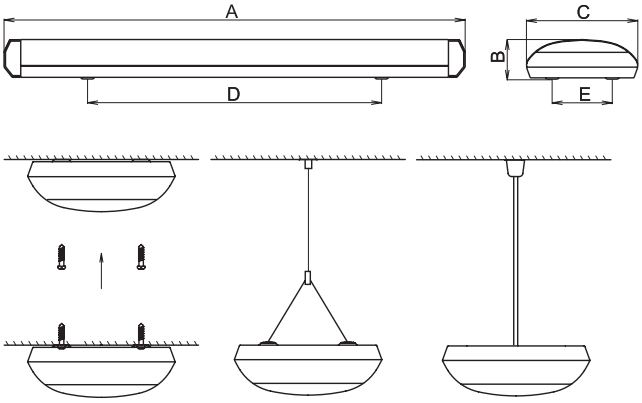
Body: White painted metal sheet (RAL9006)

Cover: PS (polystyren), UV stable diffusion plastic profile

Fastening system: Direct fastening on the ceiling or on the wall

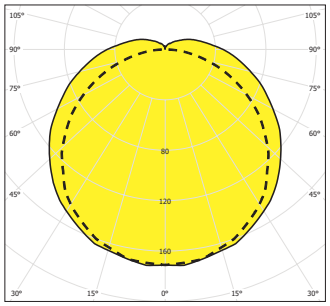
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)



			AxBxCxDxE (mm)
- inductive ballast - compensated			
050300	FOX-118-K, 1x18W	T26/G13	705 x 63 x 165 x 361 x 90
050301	FOX-218-K, 2x18W		705 x 63 x 165 x 361 x 90
050302	FOX-136-K, 1x36W		1315 x 63 x 165 x 970 x 90
050303	FOX-236-K, 2x36W		1315 x 63 x 165 x 970 x 90
050304	FOX-158-K, 1x58W		1615 x 63 x 165 x 1170 x 90
050305	FOX-258-K, 2x 58W		1615 x 63 x 165 x 1170 x 90
			AxBxCxDxE (mm)
- electronic ballast			
050330	FOX-118-EP, 1x18W	T26/G13	705 x 63 x 165 x 361 x 90
050331	FOX-218-EP, 2x18W		705 x 63 x 165 x 361 x 90
050332	FOX-136-EP, 1x36W		1315 x 63 x 165 x 970 x 90
050333	FOX-236-EP, 2x36W		1315 x 63 x 165 x 970 x 90
050334	FOX-158-EP, 1x58W		1615 x 63 x 165 x 1170 x 90
050335	FOX-258-EP, 2x58W		1615 x 63 x 165 x 1170 x 90
			AxBxCxDxE (mm)
- electronic ballast			
050308	FOX-214-EP, 2x14W	T16/G5	705 x 63 x 165 x 361 x 90
050309	FOX-224-EP, 2x24W		705 x 63 x 165 x 361 x 90
050320	FOX-235-EP, 2x35W		1575 x 63 x 165 x 923 x 90
050321	FOX-249-EP, 2x49W		1575 x 63 x 165 x 923 x 90
050310	FOX-221-EP, 2x21W		975 x 63 x 165 x 600 x 90
050311	FOX-239-EP, 2x39W		975 x 63 x 165 x 600 x 90
050312	FOX-228-EP, 2x28W		1275 x 63 x 165 x 900 x 90
050313	FOX-254-EP, 2x54W		1275 x 63 x 165 x 900 x 90
- special accessories			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender, l = 600 mm, (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

FOX, 2x36W, IP40



—— C0-C180 - - - - C90-C270

FALCON – AR, FALCON – D/I – AR

IP 20

Application: FALCON-AR light fixture is designed for direct lighting in offices, schools and commercial premises. FALCON-D/I-AR light fixture is designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

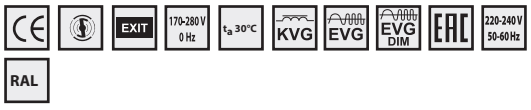
Body: White painted metal sheet (RAL9003)

Louvre: AR – longitudinal blades form high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet

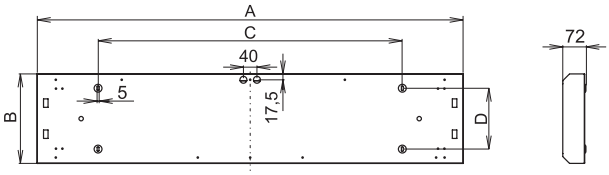
Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

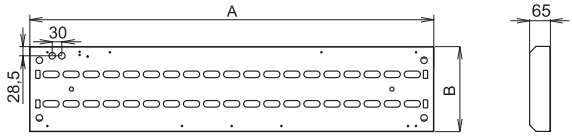
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

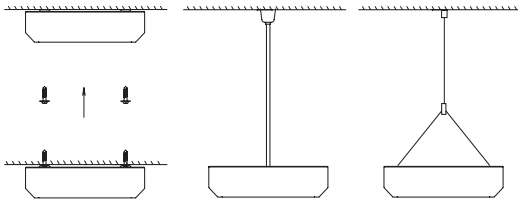


FALCON-AR



FALCON-D/I-AR

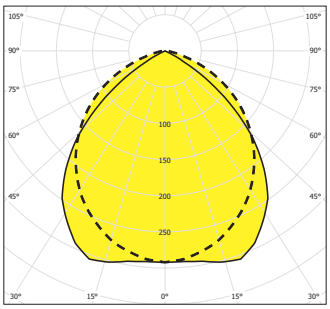




051136
051140

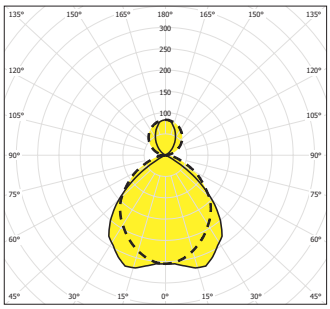
120000

FALCON, 2x36W-AR, IP20



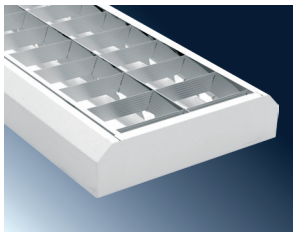
C0-C180 ---- C90-C270

FALCON-D/I-AR, 2x36W, IP20

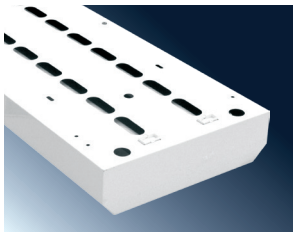


C0-C180 ---- C90-C270

FALCON-AR, FALCON-D/I-AR



FALCON-D/I-AR



- inductive ballast - compensated			
059156	FALCON-118-AR-K,1x18W	T26/G13	662 x 175 x 500 x 90
059157	FALCON-218-AR-K,2x18W		662 x 265 x 500 x 180
059158	FALCON-318-AR-K, 3x18W		662 x 355 x 500 x 270
059159	FALCON-418-AR-K, 4x18W		662 x 445 x 500 x 180
059160	FALCON-136-AR-K, 1x36W		1262 x 175 x 900 x 90
059161	FALCON-236-AR-K, 2x36W		1262 x 265 x 900 x 180
059162	FALCON-336-AR-K, 3x36W		1262 x 355 x 900 x 270
059163	FALCON-436-AR-K, 4x36W		1262 x 445 x 900 x 180
059164	FALCON-158-AR-K, 1x58W		1562 x 175 x 1100 x 90
059165	FALCON-258-AR-K, 2x58W		1562 x 265 x 1100 x 180
059166	FALCON-358-AR-K, 3x58W		1562 x 355 x 1100 x 270
059167	FALCON-458-AR-K, 4x58W		1562 x 445 x 1100 x 180
- electronic ballast			
058156	FALCON-118-AR-EP,1x18W	T26/G13	662 x 175 x 500 x 90
058157	FALCON-218-AR-EP,2x18W		662 x 265 x 500 x 180
058158	FALCON-318-AR-EP, 3x18W		662 x 355 x 500 x 270
058159	FALCON-418-AR-EP, 4x18W		662 x 445 x 500 x 180
058160	FALCON-136-AR-EP, 1x36W		1262 x 175 x 900 x 90
058161	FALCON-236-AR-EP, 2x36W		1262 x 265 x 900 x 180
058162	FALCON-336-AR-EP, 3x36W		1262 x 355 x 900 x 270
058163	FALCON-436-AR-EP, 4x36W		1262 x 445 x 900 x 180
058164	FALCON-158-AR-EP, 1x58W		1562 x 175 x 1100 x 90
058165	FALCON-258-AR-EP, 2x58W		1562 x 265 x 1100 x 180
058166	FALCON-358-AR-EP, 3x58W		1562 x 355 x 1100 x 270
058167	FALCON-458-AR-EP, 4x58W		1562 x 445 x 1100 x 180
- inductive ballast - compensated			
050400	FALCON-D/I-118-AR-K, 1x18W	T26/G13	662 x 175 x 500 x 90
050401	FALCON-D/I-218-AR-K, 2x18W		662 x 265 x 500 x 180
050402	FALCON-D/I-136-AR-K, 1x36W		1262 x 175 x 500 x 270
050403	FALCON-D/I-236-AR-K, 2x36W		1262 x 265 x 500 x 180
050404	FALCON-D/I-158-AR-K, 1x58W		1562 x 175 x 900 x 90
050405	FALCON-D/I-258-AR-K, 2x58W		1562 x 265 x 900 x 180
- electronic ballast			
050410	FALCON-D/I-118-AR-EP, 1x18W	T26/G13	662 x 175 x 500 x 90
050411	FALCON-D/I-218-AR-EP, 2x18W		662 x 265 x 500 x 180
050412	FALCON-D/I-136-AR-EP, 1x36W		1262 x 175 x 500 x 270
050413	FALCON-D/I-236-AR-EP, 2x36W		1262 x 265 x 500 x 180
050414	FALCON-D/I-158-AR-EP, 1x58W		1562 x 175 x 900 x 90
050415	FALCON-D/I-258-AR-EP, 2x58W		1562 x 265 x 900 x 180

- special accessories

051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)
120000	Cable suspender – Y, l = 2 m, (1 pc)
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m

FALCON – BAP, FALCON – D/I – BAP

IP 20

Application: FALCON-BAP light fixture is designed for direct lighting in offices, schools and commercial premises. FALCON-D/I-BAP light fixture is designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

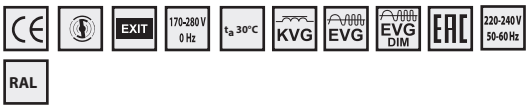
Body: White painted metal sheet (RAL9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet

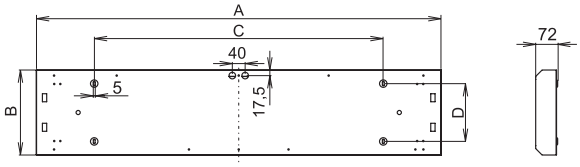
Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

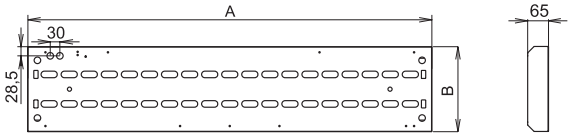
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

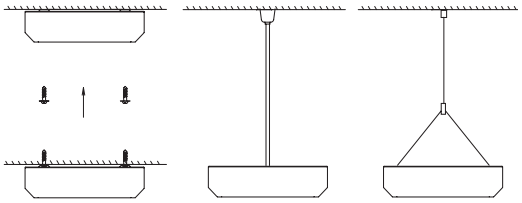


FALCON – BAP, IP20



FALCON-D/I-BAP, IP20

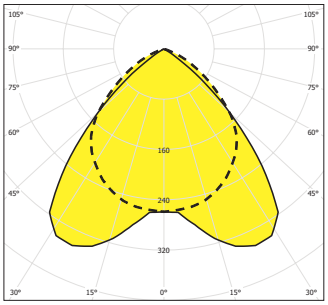




051136
051140

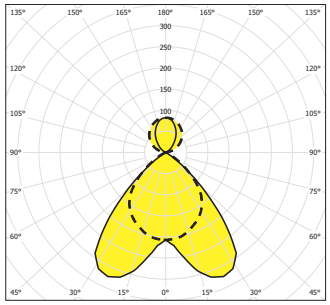
120000

FALCON-BAP, 2x36W, IP20



C0-C180 ---- C90-C270

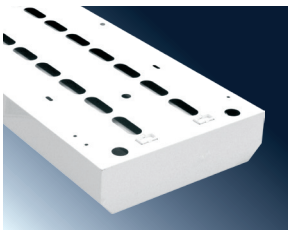
FALCON-D/I-BAP, 2x36W, IP20



C0-C180 ---- C90-C270

FALCON-BAP, IP20

FALCON-D/I-BAP, IP20



– inductive ballast - compensated			
059192	FALCON-118-BAP-K, 1x18W	T26/G13	662 x 175 x 500 x 90
059193	FALCON-218-BAP-K, 2x18W		662 x 265 x 500 x 180
059194	FALCON-318-BAP-K, 3x18W		662 x 355 x 500 x 270
059195	FALCON-418-BAP-K, 4x18W		662 x 445 x 500 x 180
059196	FALCON-136-BAP-K, 1x36W		1262 x 175 x 900 x 90
059197	FALCON-236-BAP-K, 2x36W		1262 x 265 x 900 x 180
059198	FALCON-336-BAP-K, 3x36W		1262 x 355 x 900 x 270
059199	FALCON-436-BAP-K, 4x36W		1262 x 445 x 900 x 180
059200	FALCON-158-BAP-K, 1x58W		1562 x 175 x 1100 x 90
059201	FALCON-258-BAP-K, 2x58W		1562 x 265 x 1100 x 180
059202	FALCON-358-BAP-K, 3x58W		1562 x 355 x 1100 x 270
059203	FALCON-458-BAP-K, 4x58W		1562 x 445 x 1100 x 180
– electronic ballast			
058192	FALCON-118-BAP-EP, 1x18W	T26/G13	662 x 175 x 500 x 90
058193	FALCON-218-BAP-EP, 2x18W		662 x 265 x 500 x 180
058194	FALCON-318-BAP-EP, 3x18W		662 x 355 x 500 x 270
058195	FALCON-418-BAP-EP, 4x18W		662 x 445 x 500 x 180
058196	FALCON-136-BAP-EP, 1x36W		1262 x 175 x 900 x 90
058197	FALCON-236-BAP-EP, 2x36W		1262 x 265 x 900 x 180
058198	FALCON-336-BAP-EP, 3x36W		1262 x 355 x 900 x 270
058199	FALCON-436-BAP-EP, 4x36W		1262 x 445 x 900 x 180
058200	FALCON-158-BAP-EP, 1x58W		1562 x 175 x 1100 x 90
058201	FALCON-258-BAP-EP, 2x58W		1562 x 265 x 1100 x 180
058202	FALCON-358-BAP-EP, 3x58W		1562 x 355 x 1100 x 270
058203	FALCON-458-BAP-EP, 4x58W		1562 x 445 x 1100 x 180
– inductive ballast - compensated			
050420	FALCON-D/I-118-BAP-K, 1x18W	T26/G13	662 x 175 x 500 x 90
050421	FALCON-D/I-218-BAP-K, 2x18W		662 x 265 x 500 x 180
050422	FALCON-D/I-136-BAP-K, 1x36W		1262 x 175 x 900 x 90
050423	FALCON-D/I-236-BAP-K, 2x36W		1262 x 265 x 900 x 180
050424	FALCON-D/I-158-BAP-K, 1x58W		1562 x 175 x 1100 x 90
050425	FALCON-D/I-258-BAP-K, 2x58W		1562 x 265 x 1100 x 180
– electronic ballast			
050430	FALCON-D/I-118-BAP-EP, 1x18W	T26/G13	662 x 175 x 500 x 90
050431	FALCON-D/I-218-BAP-EP, 2x18W		662 x 265 x 500 x 180
050432	FALCON-D/I-136-BAP-EP, 1x36W		1262 x 175 x 900 x 90
050433	FALCON-D/I-236-BAP-EP, 2x36W		1262 x 265 x 900 x 180
050434	FALCON-D/I-158-BAP-EP, 1x58W		1562 x 175 x 1100 x 90
050435	FALCON-D/I-258-BAP-EP, 2x58W		1562 x 265 x 1100 x 180

- special accessories

051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)
120000	Cable suspender – Y, l = 2 m, (1 pc)
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m

FALCON – PX, FALCON – D/I – PX

IP40, IP20

Application: FALCON-PX light fixtures are designed for direct lighting in offices, schools and commercial premises. FALCON-D/I-PX light fitxtures are designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

Cover: PX – optical prismatic plexiglass
OP – optical opal plexiglass
MP – optical microprism

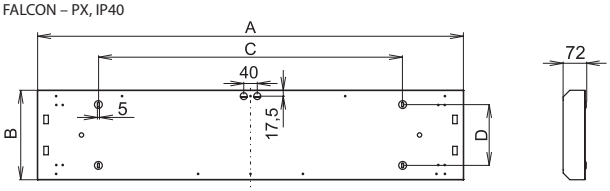
Fastening system: Direct fastening on the ceiling lighted area, suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

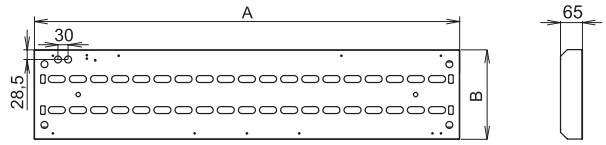
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

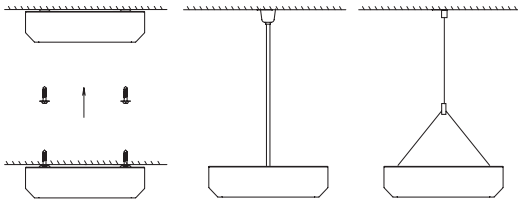
CE | EXIT | 170-280 V 0 Hz | t_a 30°C | KVG | EVG | EVG DIM | EAC | 220-240 V 50-60 Hz | RAL

FALCON – PX, IP40



FALCON-D/I-PX, IP20

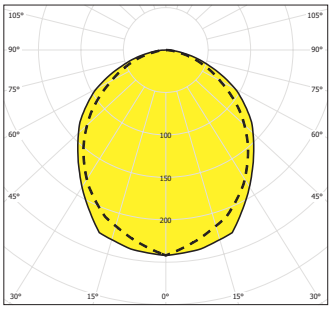




051136
051140

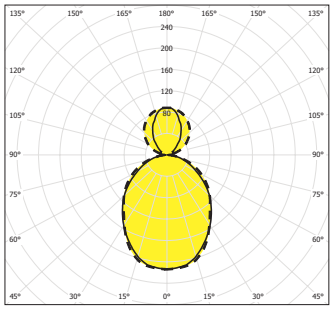
120000

FALCON-PX, 2x36W-PX, IP40



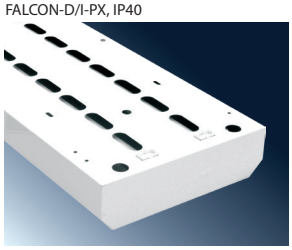
C0-C180 ---- C90-C270

FALCON-D/I-PX, 2x36W, IP40



C0-C180 ---- C90-C270

FALCON-D/I-PX, IP40



– inductive ballast - compensated			
059204	FALCON-118-PX-K, 1x18W	T26/G13	662 x 175 x 500 x 90
059205	FALCON-218-PX-K, 2x18W		662 x 265 x 500 x 180
059206	FALCON-318-PX-K, 3x18W		662 x 355 x 500 x 270
059207	FALCON-418-PX-K, 4x18W		662 x 445 x 500 x 180
059208	FALCON-136-PX-K, 1x36W		1262 x 175 x 900 x 90
059209	FALCON-236-PX-K, 2x36W		1262 x 265 x 900 x 180
059210	FALCON-336-PX-K, 3x36W		1262 x 355 x 900 x 270
059211	FALCON-436-PX-K, 4x36W		1262 x 445 x 900 x 180
059212	FALCON-158-PX-K, 1x58W		1562 x 175 x 1100 x 90
059213	FALCON-258-PX-K, 2x58W		1562 x 265 x 1100 x 180
059214	FALCON-358-PX-K, 3x58W		1562 x 355 x 1100 x 270
059215	FALCON-458-PX-K, 4x58W		1562 x 445 x 1100 x 180
– electronic ballast			
058204	FALCON-118-PX-EP, 1x18W	T26/G13	662 x 175 x 500 x 90
058205	FALCON-218-PX-EP, 2x18W		662 x 265 x 500 x 180
058206	FALCON-318-PX-EP, 3x18W		662 x 355 x 500 x 270
058207	FALCON-418-PX-EP, 4x18W		662 x 445 x 500 x 180
058208	FALCON-136-PX-EP, 1x36W		1262 x 175 x 900 x 90
058209	FALCON-236-PX-EP, 2x36W		1262 x 265 x 900 x 180
058210	FALCON-336-PX-EP, 3x36W		1262 x 355 x 900 x 270
058211	FALCON-436-PX-EP, 4x36W		1262 x 445 x 900 x 180
058212	FALCON-158-PX-EP, 1x58W		1562 x 175 x 1100 x 90
058213	FALCON-258-PX-EP, 2x58W		1562 x 265 x 1100 x 180
058214	FALCON-358-PX-EP, 3x58W		1562 x 355 x 1100 x 270
058215	FALCON-458-PX-EP, 4x58W		1562 x 445 x 1100 x 180
– inductive ballast - compensated			
050450	FALCON-D/I-118-PX-K, 1x18W	T26/G13	662 x 175 x 500 x 90
050451	FALCON-D/I-218-PX-K, 2x18W		662 x 265 x 500 x 180
050454	FALCON-D/I-136-PX-K, 1x36W		1262 x 175 x 900 x 90
050455	FALCON-D/I-236-PX-K, 2x36W		1262 x 265 x 900 x 180
050458	FALCON-D/I-158-PX-K, 1x58W		1562 x 175 x 1100 x 90
050459	FALCON-D/I-258-PX-K, 2x58W		1562 x 265 x 1100 x 180
– electronic ballast			
050470	FALCON-D/I-118-PX-EP, 1x18W	T26/G13	662 x 175 x 500 x 90
050471	FALCON-D/I-218-PX-EP, 2x18W		662 x 265 x 500 x 180
050474	FALCON-D/I-136-PX-EP, 1x36W		1262 x 175 x 900 x 90
050475	FALCON-D/I-236-PX-EP, 2x36W		1262 x 265 x 900 x 180
050478	FALCON-D/I-158-PX-EP, 1x58W		1562 x 175 x 1100 x 90
050479	FALCON-D/I-258-PX-EP, 2x58W		1562 x 265 x 1100 x 180

- special accessories

051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)
120000	Cable suspender – Y, l = 2 m, (1 pc)
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m

FALCON – P(Z) – AR, FALCON – P(Z) – BAP

IP 20

Application: FALCON-P(Z)-AR, FALCON-P(Z)-BAP light fixtures are designed for direct lighting in offices, schools and commercial premises.

System of marking: FALCON-P – continous providing; FALCON-Z – ending providing

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

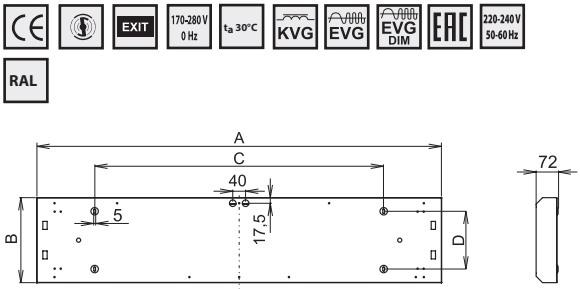
Body: White painted metal sheet (RAL9003)

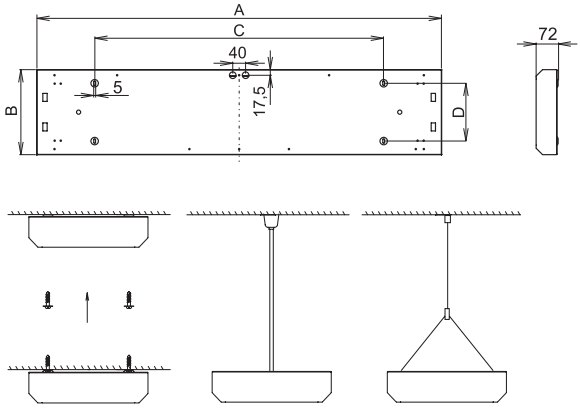
Louvre: AR – longitudinal blades form high polished aluminium sheet, trasverse blades from profiled tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet

Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

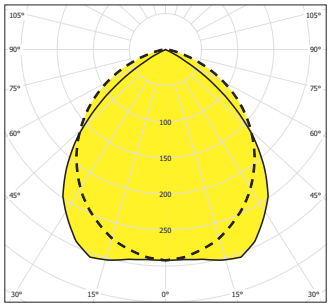




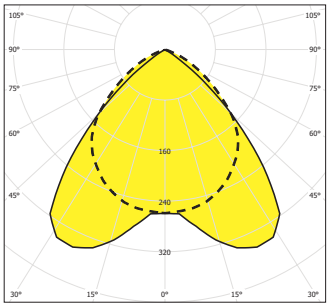
051136
051140

120000

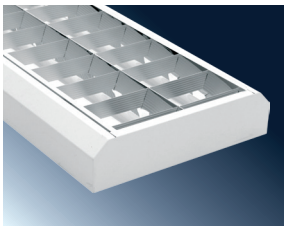
FALCON, 2x36W AR, IP20



FALCON, 2x36W BAP, IP20



FALCON, 2x36W-AR, IP20



FALCON, 2x36W-BAP, IP20

– through wired, compensated			
050720	FALCON-P-136-AR-K, 1x36W	T26/G13	1236 x 175 x 901 x 90
050721	FALCON-P-236-AR-K, 2x36W		1236 x 265 x 901 x 180
050722	FALCON-P-158-AR-K, 1x58W		1536 x 175 x 1279 x 90
050723	FALCON-P-258-AR-K, 2x58W		1536 x 265 x 1201 x 180
– through wired, electronic ballast			
050730	FALCON-P-136-AR-EP, 1x36W	T26/G13	1236 x 175 x 901 x 90
050731	FALCON-P-236-AR-EP, 2x36W		1236 x 265 x 901 x 180
050732	FALCON-P-158-AR-EP, 1x58W		1536 x 175 x 1279 x 90
050733	FALCON-P-258-AR-EP, 2x58W		1536 x 265 x 1201 x 180
– ending providing, compensated			
050724	FALCON-Z-136-AR-K, 1x36W	T26/G13	1249 x 175 x 891 x 90
050725	FALCON-Z-236-AR-K, 2x36W		1249 x 265 x 900 x 180
050726	FALCON-Z-158-AR-K, 1x58W		1549 x 175 x 1100 x 90
050727	FALCON-Z-258-AR-K, 2x58W		1549 x 265 x 1100 x 180
–ending providing, electronic ballast			
050734	FALCON-Z-136-AR-EP, 1x36W	T26/G13	1249 x 175 x 891 x 90
050735	FALCON-Z-236-AR-EP, 2x36W		1249 x 265 x 900 x 180
050736	FALCON-Z-158-AR-EP, 1x58W		1549 x 175 x 1100 x 90
050737	FALCON-Z-258-AR-EP, 2x58W		1549 x 265 x 1100 x 180
– through wired, compensated			
050700	FALCON-P-136-BAP-K, 1x36W	T26/G13	1236 x 175 x 901 x 90
050701	FALCON-P-236-BAP-K, 2x36W		1236 x 265 x 901 x 180
050702	FALCON-P-158-BAP-K, 1x58W		1536 x 175 x 1279 x 90
050703	FALCON-P-258-BAP-K, 2x58W		1536 x 265 x 1201 x 180
– through wired, electronic ballast			
050710	FALCON-P-136-BAP-EP, 1x36W	T26/G13	1236 x 175 x 901 x 90
050711	FALCON-P-236-BAP-EP, 2x36W		1236 x 265 x 901 x 180
050712	FALCON-P-158-BAP-EP, 1x58W		1536 x 175 x 1279 x 90
050713	FALCON-P-258-BAP-EP, 2x58W		1536 x 265 x 1201 x 180
–ending providing, compensated			
050704	FALCON-Z-136-BAP-K, 1x36W	T26/G13	1249 x 175 x 891 x 90
050705	FALCON-Z-236-BAP-K, 2x36W		1249 x 265 x 900 x 180
050706	FALCON-Z-158-BAP-K, 1x58W		1549 x 175 x 1100 x 90
050707	FALCON-Z-258-BAP-K, 2x58W		1549 x 265 x 1100 x 180
– ending providing, electronic ballast			
050714	FALCON-Z-136-BAP-EP, 1x36W	T26/G13	1249 x 175 x 891 x 90
050715	FALCON-Z-236-BAP-EP, 2x36W		1249 x 265 x 900 x 180
050716	FALCON-Z-158-BAP-EP, 1x58W		1549 x 175 x 1100 x 90
050717	FALCON-Z-258-BAP-EP, 2x58W		1549 x 265 x 1100 x 180
– special accessories			
051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)		
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)		
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

FALCON – AS, FALCON – P(Z) – AS

IP 20

Application: FALCON-AS, FALCON-P(Z)-AS light fixture are designed for direct lighting in offices, schools and commercial premises.

System of marking: FALCON-P – continous providing; FALCON-Z – ending providing

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

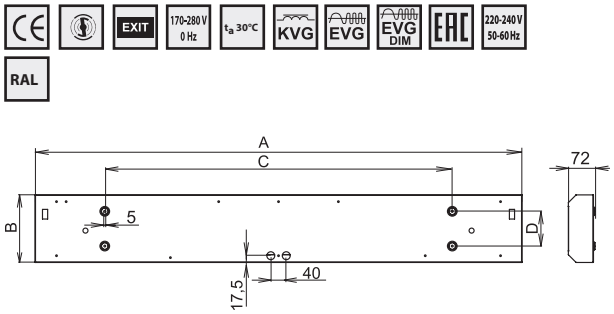
Body: White painted metal sheet (RAL9003)

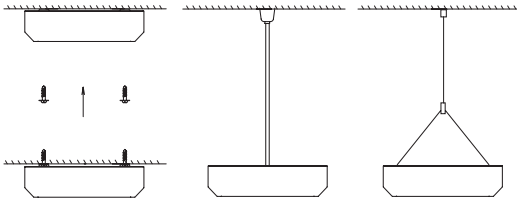
Reflector: Asymmetric reflector made from high polished aluminium sheet

Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

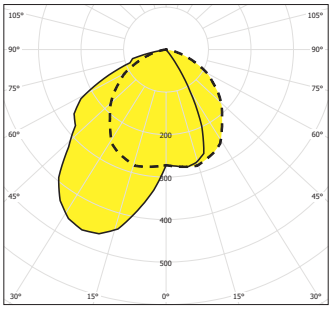




051136
051140

120000

FALCON-1x36-AS, IP20



C0-C180 - - - - C90-C270

– ending providing, electronic ballast			
056015	FALCON-Z-AS-128-EP, 1x28W	T16/G5	1249 x 175 x 1100 x 90
056016	FALCON-Z-AS-154-EP, 1x54W		1249 x 175 x 1100 x 90
056017	FALCON-Z-AS-135-EP, 1x35W		1549 x 175 x 1100 x 90
056018	FALCON-Z-AS-149-EP, 1x49W		1549 x 175 x 1100 x 90
056019	FALCON-Z-AS-180-EP, 1x80W		1549 x 175 x 1100 x 90
– special accessories			
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)		
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

– inductive ballast - compensated			
059550	FALCON-AS-118-K, 1x18W	T26/G13	662 x 175 x 500 x 90
059551	FALCON-AS-136-K, 1x36W		1262 x 175 x 900 x 90
059552	FALCON-AS-158-K, 1x58W		1562 x 175 x 1100 x 90
– electronic ballast T26			
058550	FALCON-AS-118-EP, 1x18W	T26/G13	662 x 175 x 500 x 90
058551	FALCON-AS-136-EP, 1x36W		1262 x 175 x 900 x 90
058552	FALCON-AS-158-EP, 1x58W		1562 x 175 x 1100 x 90
– electronic ballast T16			
056000	FALCON-AS-128-EP, 1x28W	T16/G5	1262 x 175 x 1100 x 90
056001	FALCON-AS-154-EP, 1x54W		1262 x 175 x 1100 x 90
056002	FALCON-AS-135-EP, 1x35W		1562 x 175 x 1100 x 90
056003	FALCON-AS-149-EP, 1x49W		1562 x 175 x 1100 x 90
056004	FALCON-AS-180-EP, 1x80W		1562 x 175 x 1100 x 90

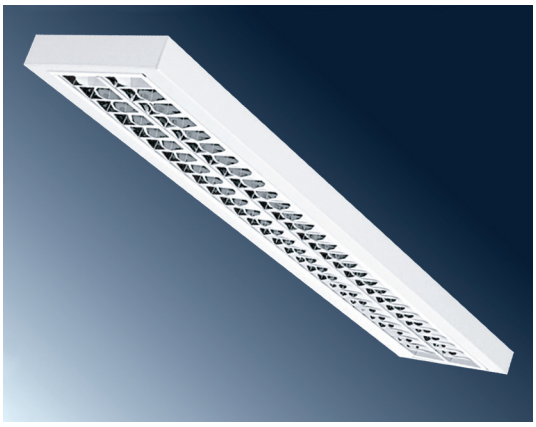
– through wired, compensated			
050740	FALCON-P-AS-136-K, 1x36W	T26/G13	1236 x 175 x 900 x 90
050741	FALCON-P-AS-158-K, 1x58W		1536 x 175 x 1100 x 90
– through wired, electronic ballast			
050742	FALCON-P-AS-136-EP, 1x36W	T26/G13	1236 x 175 x 900 x 90
050743	FALCON-P-AS-158-EP, 1x58W		1536 x 175 x 1100 x 90
– through wired, electronic ballast			
056010	FALCON-P-AS-128-EP, 1x28W	T16/G5	1236 x 175 x 1100 x 90
056011	FALCON-P-AS-154-EP, 1x54W		1236 x 175 x 1100 x 90
056012	FALCON-P-AS-135-EP, 1x35W		1536x 175 x 1100 x 90
056013	FALCON-P-AS-149-EP, 1x49W		1536x 175 x 1100 x 90
056014	FALCON-P-AS-180-EP, 1x80W		1536x 175 x 1100 x 90

– ending providing, compensated			
050745	FALCON-Z-AS-136-K, 1x36W	T26/G13	1249 x 175 x 900 x 90
050746	FALCON-Z-AS-158-K, 1x58W		1549 x 175 x 1100 x 90
– ending providing, electronic ballast			
050747	FALCON-Z-AS-136-EP, 1x36W	T26/G13	1249 x 175 x 900 x 90
050748	FALCON-Z-AS-158-EP, 1x58W		1549 x 175 x 1100 x 90
– ending providing, electronic ballast			
056020	FALCON-Z-AS-128-EP, 1x28W	T16/G5	1249 x 175 x 1100 x 90
056021	FALCON-Z-AS-154-EP, 1x54W		1249 x 175 x 1100 x 90
056022	FALCON-Z-AS-135-EP, 1x35W		1549 x 175 x 1100 x 90
056023	FALCON-Z-AS-149-EP, 1x49W		1549 x 175 x 1100 x 90
056024	FALCON-Z-AS-180-EP, 1x80W		1549 x 175 x 1100 x 90

– ending providing, compensated			
050750	FALCON-Z-AS-136-K, 1x36W	T26/G13	1249 x 175 x 900 x 90
050751	FALCON-Z-AS-158-K, 1x58W		1549 x 175 x 1100 x 90
– ending providing, electronic ballast			
050752	FALCON-Z-AS-136-EP, 1x36W	T26/G13	1249 x 175 x 900 x 90
050753	FALCON-Z-AS-158-EP, 1x58W		1549 x 175 x 1100 x 90

GRIFON, GRIFON – D/I

IP 20



Application: GRIFON light fixtures are designed for direct lighting in offices, schools and commercial premises. GRIFON-D/I light fixtures are designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

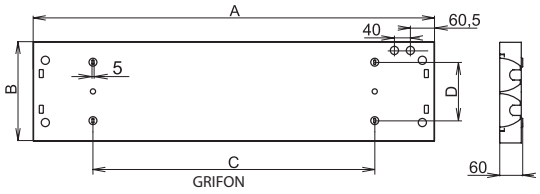
Body: White painted metal sheet (RAL9003)

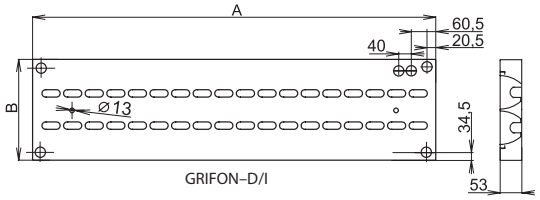
Louvres: DL – parabolic louvre from tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet
MIRO - parabolic aluminium louvre from highly polished aluminium sheet MIRO SILVER®

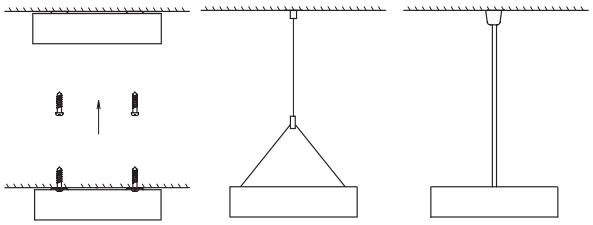
Fastening system: Direct fastening on the ceiling, suspension via cable suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



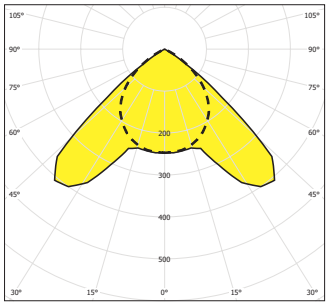




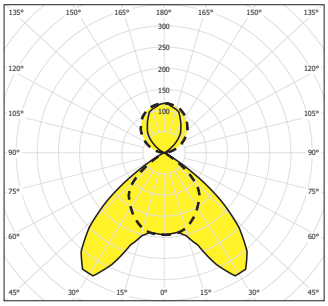
120000

051140
051136

GRIFON, 2x54-BAP, IP20



GRIFON-D/I, 2x35W, IP20



—— C0-C180 - - - - C90-C270 —— C0-C180 - - - - C90-C270

- electronic ballast – parabolic louvre from hig polished aluminium sheet			
057326	GRIFON-114-BAP-EP, 1x14W	T16/G5	600 x 160 x 270 x 60
057327	GRIFON-124-BAP-EP, 1x24W		600 x 160 x 270 x 60
057328	GRIFON-214-BAP-EP, 2x14W		600 x 250 x 270 x 150
057329	GRIFON-224-BAP-EP, 2x24W		600 x 250 x 270 x 150
057330	GRIFON-121-BAP-EP, 1x21W		900 x 160 x 600 x 60
057331	GRIFON-139-BAP-EP, 1x39W		900 x 160 x 600 x 60
057332	GRIFON-221-BAP-EP, 2x21W		900 x 250 x 600 x 150
057333	GRIFON-239-BAP-EP, 2x39W		900 x 250 x 600 x 150
057408	GRIFON-128-BAP-EP, 1x28W		1200 x 160 x 900 x 60
057409	GRIFON-154-BAP-EP, 1x54W		1200 x 160 x 900 x 60
057410	GRIFON-228-BAP-EP, 2x28W		1200 x 250 x 900 x 150
057411	GRIFON-254-BAP-EP, 2x54W		1200 x 250 x 900 x 150
057412	GRIFON-135-BAP-EP, 1x35W		1500 x 160 x 1200 x 60
057442	GRIFON-149-BAP-EP, 1x49W		1500 x 160 x 1200 x 60
057413	GRIFON-180-BAP-EP, 1x80W		1500 x 160 x 1200 x 60
057414	GRIFON-235-BAP-EP, 2x35W		1500 x 250 x 1200 x 150
057443	GRIFON-249-BAP-EP, 2x49W		1500 x 250 x 1200 x 150
057415	GRIFON-280-BAP-EP, 2x80W		1500 x 250 x 1200 x 150
- electronic ballast – parabolic louvre from high polished aluminium sheet			
057342	GRIFON-D/I-114-BAP-EP, 1x14W	T16/G5	600 x 160
057343	GRIFON-D/I-124-BAP-EP, 1x24W		600 x 160
057344	GRIFON-D/I-214-BAP-EP, 2x14W		600 x 250
057345	GRIFON-D/I-224-BAP-EP, 2x24W		600 x 250
057346	GRIFON-D/I-121-BAP-EP, 1x21W		900 x 160
057347	GRIFON-D/I-139-BAP-EP, 1x39W		900 x 160
057348	GRIFON-D/I-221-BAP-EP, 2x21W		900 x 250
057349	GRIFON-D/I-239-BAP-EP, 2x39W		900 x 250
057358	GRIFON-D/I-128-BAP-EP, 1x28W		1200 x 160
057359	GRIFON-D/I-154-BAP-EP, 1x54W		1200 x 160
057360	GRIFON-D/I-228-BAP-EP, 2x28W		1200 x 250
057361	GRIFON-D/I-254-BAP-EP, 2x54W		1200 x 250
057362	GRIFON-D/I-135-BAP-EP, 1x35W		1500 x 160
057368	GRIFON-D/I-149-BAP-EP, 1x49W		1500 x 160
057363	GRIFON-D/I-180-BAP-EP, 1x80W		1500 x 160
057364	GRIFON-D/I-235-BAP-EP, 2x35W		1500 x 250
057369	GRIFON-D/I-249-BAP-EP, 2x49W		1500 x 250
057365	GRIFON-D/I-280-BAP-EP, 2x80W		1500 x 250

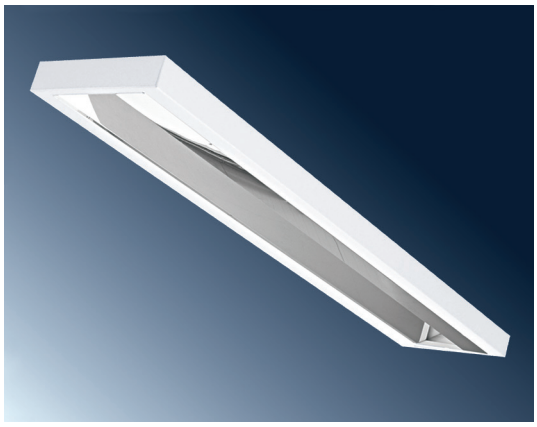
– special accessories

120000	Cable suspender – Y, l = 2 m, (1 pc)
051136	Tube suspender Falcon 2x/3x/4x, L = 600 mm (2 pcs)
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m

Colour finishing RAL9006 – on request

GRIFON – AS

IP 20



Application: GRIFON-AS light fixtures are designed for direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

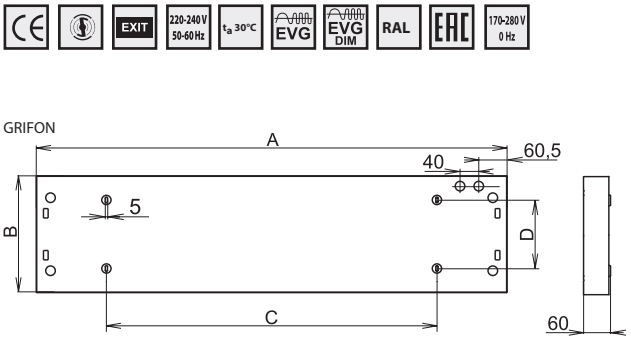
Body: White painted metal sheet (RAL9003)

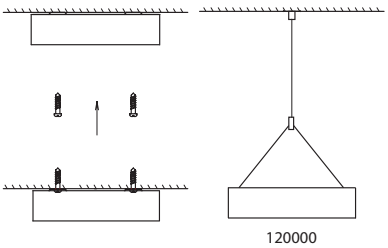
Reflector: Asymmetric reflector made from high polished aluminium sheet

Fastening system: Direct fastening on the ceiling, suspension via cable or tube hangers

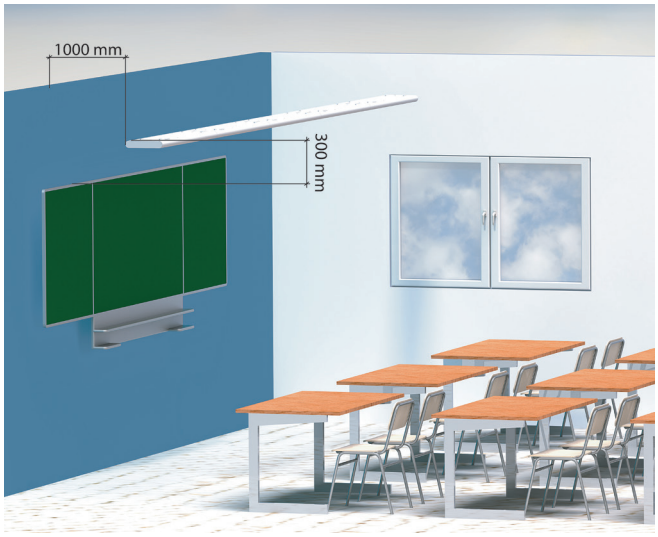
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 155/
MULTI – maintained emergency lighting (1h, 3h) /see page 155/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

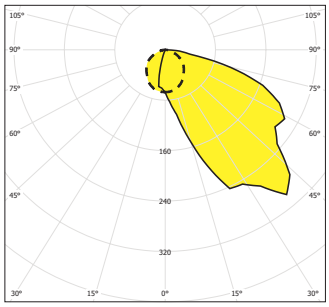




- electronic ballast			
057300	GRIFON-AS-128-EP, 1x28W		1200 x 250
057301	GRIFON-AS-154-EP, 1x54W		1200 x 250
057302	GRIFON-AS-135-EP, 1x35W	T16/G5	1200 x 250
057303	GRIFON-AS-149-EP, 1x49W		1200 x 250
057304	GRIFON-AS-180-EP, 1x80W		1200 x 250
– special accessories			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

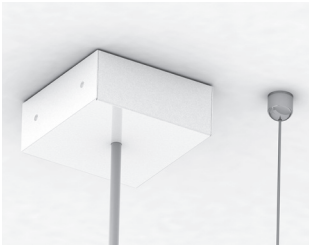


GRIFON-AS, 2x54-BAP, IP20



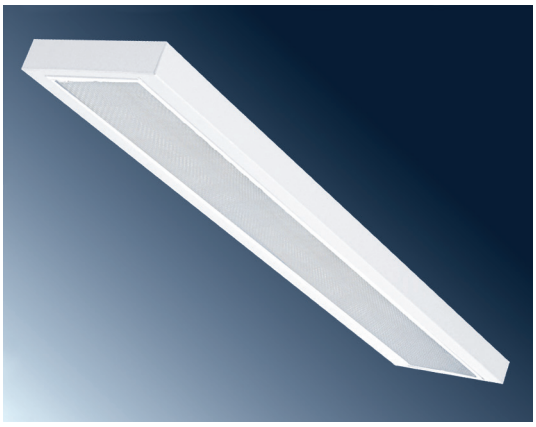
—— C0-C180 - - - - C90-C270

051155



GRIFON – PX, GRIFON – D/I – PX

IP40, IP20



Application: GRIFON-PX light fixtures are designed for direct lighting in offices, schools and commercial premises. GRIFON-D/I-PX light fixtures are designed for direct-indirect interior lighting (ratio of radiation -70:30).

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

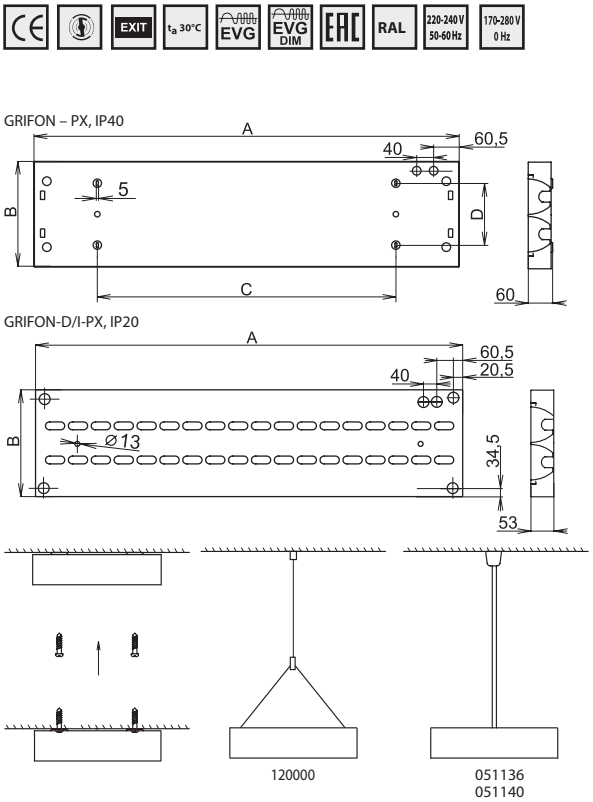
Body: White painted metal sheet (RAL9003)

Cover: **PX** – optical prismatic plexiglass
OP – optical opal plexiglass
MP – optical microprism

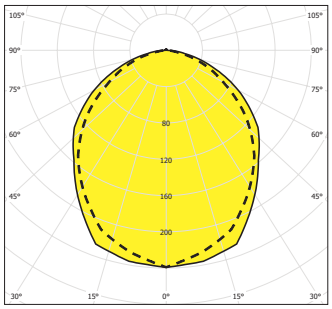
Fastening system: Direct fastening on the ceiling, suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



GRIFON-PX, 2x54-BAP, IP20



– electronic ballast			
057200	GRIFON-114-PX-EP, 1x14W	T16/G5	600 x 160 x 270 x 60
057201	GRIFON-124-PX-EP, 1x24W		600 x 160 x 270 x 60
057202	GRIFON-214-PX-EP, 2x14W		600 x 250 x 270 x 150
057203	GRIFON-224-PX-EP, 2x24W		600 x 250 x 270 x 150
057204	GRIFON-121-PX-EP, 1x21W		900 x 160 x 600 x 60
057205	GRIFON-139-PX-EP, 1x39W		900 x 160 x 600 x 60
057206	GRIFON-221-PX-EP, 2x21W		900 x 250 x 600 x 150
057207	GRIFON-239-PX-EP, 2x39W		900 x 250 x 600 x 150
057208	GRIFON-128-PX-EP, 1x28W		1200 x 160 x 900 x 60
057209	GRIFON-154-PX-EP, 1x54W		1200 x 160 x 900 x 60
057210	GRIFON-228-PX-EP, 2x28W		1200 x 250 x 900 x 150
057211	GRIFON-254-PX-EP, 2x54W		1200 x 250 x 900 x 150
057212	GRIFON-135-PX-EP, 1x35W		1500 x 160 x 1200 x 60
057213	GRIFON-149-PX-EP, 1x49W		1500 x 160 x 1200 x 60
057214	GRIFON-180-PX-EP, 1x80W		1500 x 160 x 1200 x 60
057215	GRIFON-235-PX-EP, 2x35W		1500 x 250 x 1200 x 150
057216	GRIFON-249-PX-EP, 2x49W		1500 x 250 x 1200 x 150
057217	GRIFON-280-PX-EP, 2x80W		1500 x 250 x 1200 x 150

– electronic ballast			
057220	GRIFON-D/I-114-PX-EP, 1x14W	T16/G5	600 x 160
057221	GRIFON-D/I-124-PX-EP, 1x24W		600 x 160
057222	GRIFON-D/I-214-PX-EP, 2x14W		600 x 250
057223	GRIFON-D/I-224-PX-EP, 2x24W		600 x 250
057224	GRIFON-D/I-121-PX-EP, 1x21W		900 x 160
057225	GRIFON-D/I-139-PX-EP, 1x39W		900 x 160
057226	GRIFON-D/I-221-PX-EP, 2x21W		900 x 250
057227	GRIFON-D/I-239-PX-EP, 2x39W		900 x 250
057228	GRIFON-D/I-128-PX-EP, 1x28W		1200 x 160
057229	GRIFON-D/I-154-PX-EP, 1x54W		1200 x 160
057230	GRIFON-D/I-228-PX-EP, 2x28W		1200 x 250
057231	GRIFON-D/I-254-PX-EP, 2x54W		1200 x 250
057232	GRIFON-D/I-135-PX-EP, 1x35W		1500 x 160
057233	GRIFON-D/I-149-PX-EP, 1x49W		1500 x 160
057234	GRIFON-D/I-180-PX-EP, 1x80W		1500 x 160
057235	GRIFON-D/I-235-PX-EP, 2x35W		1500 x 250
057236	GRIFON-D/I-249-PX-EP, 2x49W		1500 x 250
057237	GRIFON-D/I-280-PX-EP, 2x80W		1500 x 250
– special accessories			
051136	Tube suspender Falcon 2x/3x/4x, L = 600 mm (2 pcs)		
051140	Tube suspender Falcon 1x, L = 600 mm (2 pcs)		
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m², l =2,5 m		

HOOVER4

IP 65

Application: HOOVER4 light fixture is designed especially for ares with requirements for higher level of protection degree (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintanance.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

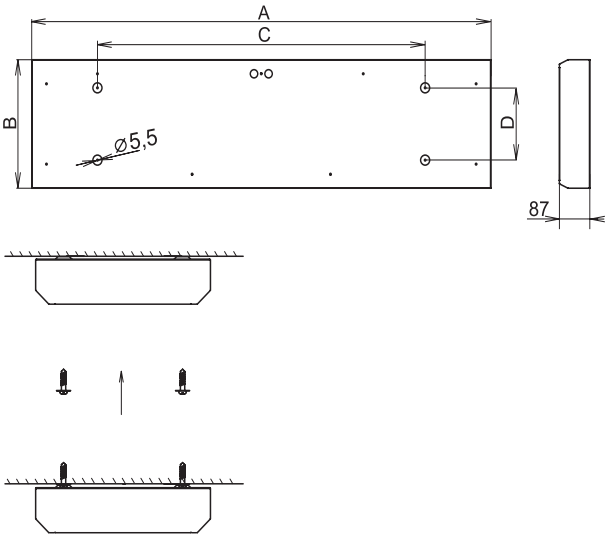
Cover: **PX** – optical prismatic plexiglass
OP – optical opal plexiglass

Fastening: Direct fastening on the ceiling

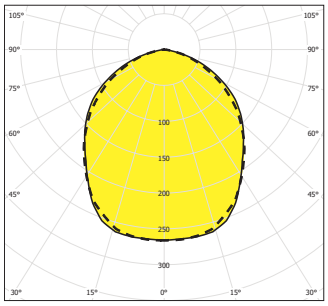
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

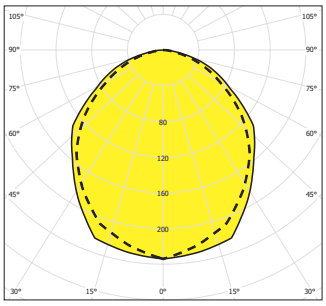


HOOVER4, 4x18W, IP65



C0-C180 - - - - C90-C270

HOOVER4, 2x36W, IP65



C0-C180 - - - - C90-C270

– inductive ballast			
059337	HOOVER4-118-K, 1x18W	T26/G13	662 x 200 x 500 x 160
059338	HOOVER4-218-K, 2x18W		662 x 320 x 500 x 180
059339	HOOVER4-318-K, 3x18W		662 x 500 x 500 x 180
059340	HOOVER4-418-K, 4x18W		662 x 500 x 500 x 180
059341	HOOVER4-136-K, 1x36W		1262 x 200 x 900 x 160
059342	HOOVER4-236-K, 2x36W		1262 x 320 x 900 x 180
059343	HOOVER4-336-K, 3x36W		1262 x 500 x 900 x 180
059344	HOOVER4-436-K, 4x36W		1262 x 500 x 900 x 180
059345	HOOVER4-158-K, 1x58W		1562 x 200 x 1100 x 160
059346	HOOVER4-258-K, 2x58W		1562 x 320 x 1100 x 180
059347	HOOVER4-358-K, 3x58W		1562 x 500 x 1100 x 180
059348	HOOVER4-458-K, 4x58W		1562 x 500 x 1100 x 180
– electronic ballast T26			
058337	HOOVER4-118-EP, 1x18W	T26/G13	662 x 200 x 500 x 160
058338	HOOVER4-218-EP, 2x18W		662 x 320 x 500 x 180
058339	HOOVER4-318-EP, 3x18W		662 x 500 x 500 x 180
058340	HOOVER4-418-EP, 4x18W		662 x 500 x 500 x 180
058341	HOOVER4-136-EP, 1x36W		1262 x 200 x 900 x160
058342	HOOVER4-236-EP, 2x36W		1262 x 320 x 900 x 180
058343	HOOVER4-336-EP, 3x36W		1262 x 500 x 900 x 180
058344	HOOVER4-436-EP, 4x36W		1262 x 500 x 900 x 180
058345	HOOVER4-158-EP, 1x58W		1562 x 200 x 1100 x160
058346	HOOVER4-258-EP, 2x58W		1562 x 320 x 1100 x 180
058347	HOOVER4-358-EP, 3x58W		1562 x 500 x 1100 x 180
058348	HOOVER4-458-EP, 4x58W		1562 x 500 x 1100 x 180
–electronic ballast T16			
056130	HOOVER4-414-EP, 4x14W	T16/G5	662 x 500 x 500 x 180
056131	HOOVER4-424-EP, 4x24W		662 x 500 x 500 x 180
056132	HOOVER4-228-EP, 2x28W		1262 x 320 x 900 x 180
056133	HOOVER4-254-EP, 2x54W		1262 x 320 x 900 x 180
056134	HOOVER4-428-EP, 4x28W		1262 x 500 x 900 x 180
056135	HOOVER4-454EP, 4x54W		1262 x 500 x 900 x 180
– electronic ballast TC-L			
058266	HOOVER4-336-EP, 3x36W, 2G11	TC-L/2G11	662 x 500 x 500 x 180
058267	HOOVER4-355-EP, 3x55W, 2G11		662 x 500 x 500 x 180

HOUND4

IP 65

Application: HOUND4 light fixture is designed especially for ares with requirements for higher level of protection degree (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintanance.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Louvre: parabolic louvre from high polished aluminium sheet

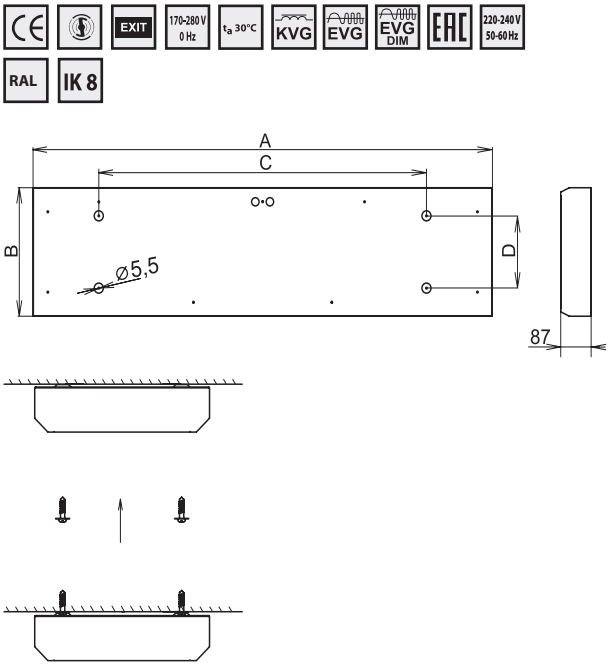
Cover: tempered safety glass

Fastening: Direct fastening on the ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

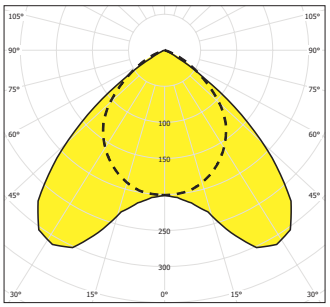
Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing
PC COVER – cover made from PC (polycarbonate)



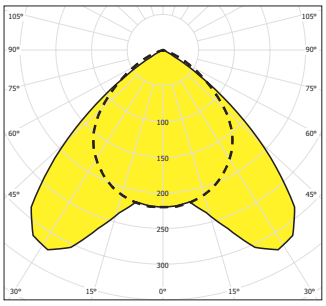
– inductive ballast			
059385	HOUND4-418-K, 4x18W	T26/G13	662 x 500 x 500 x 180
059386	HOUND4-236-K, 2x36W		1262 x 320 x 900 x 180
059387	HOUND4-436-K, 4x36W		1262 x 500 x 900 x 180
059388	HOUND4-258-K, 2x58W		1562 x 320 x 1100 x 180
058420	HOUND4-358-K, 3x58W		1562 x 410 x 1100 x 180
058421	HOUND4-458-K, 4x58W		1562 x 500 x 1100 x 180
– electronic ballast			
058385	HOUND4-418-EP, 4x18W	T26/G13	662 x 500 x 500 x 180
058386	HOUND4-236-EP, 2x36W		1262 x 320 x 900 x 180
058387	HOUND4-436-EP, 4x36W		1262 x 500 x 900 x 180
058388	HOUND4-258-EP, 2x58W		1562 x 320 x 1100 x 180
058422	HOUND4-458-EP, 4x58W		1562 x 500 x 1100 x 180
058421	HOUND4-358-EP, 3x58W		1562 x 410 x 1100 x 180
– electronic ballast			
059389	HOUND4-414-EP, 4x14W	T16/G5	662 x 500 x 500 x 180
059390	HOUND4-424-EP, 4x24W		662 x 500 x 500 x 180
059391	HOUND4-228-EP, 2x28W		1262 x 320 x 900 x 180
059392	HOUND4-254-EP, 2x54W		1262 x 320 x 900 x 180
059393	HOUND4-428-EP, 4x28W		1262 x 500 x 900 x 180
059394	HOUND4-454-EP, 4x54W		1262 x 500 x 900 x 180
058430	HOUND4-235-EP, 2x35W		1562 x 320 x 1100 x 180
058431	HOUND4-249-EP, 2x49W		1562 x 320 x 1100 x 180
058432	HOUND4-280-EP, 2x80W		1562 x 320 x 1100 x 180
058435	HOUND4-435-EP, 4x35W		1562 x 500 x 1100 x 180
058436	HOUND4-449-EP, 4x49W		1562 x 500 x 1100 x 180
058437	HOUND4-480-EP, 4x80W		1562 x 500 x 1100 x 180
– electronic ballast			
058423	HOUND4-336-EP, 3x36W, 2G11	TC-L/2G11	662 x 500 x 500 x 180
058424	HOUND4-355-EP, 3x55W, 2G11		662 x 500 x 500 x 180

HOUND4, 4x36, IP65



—— C0-C180 - - - - C90-C270

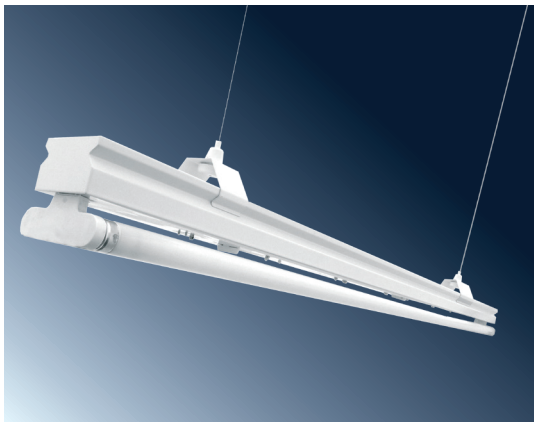
HOUND4, 2x36, IP65



—— C0-C180 - - - - C90-C270

BRIARD

IP 20



Application: BRIARD light fixture is designed for direct lighting of assembly and production halls, department stores and corridors without with requirements for higher level of protection degree (IP). BRIARD light fixtures can be combined into continous lines using profile connectors.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
P – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge igni tion voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

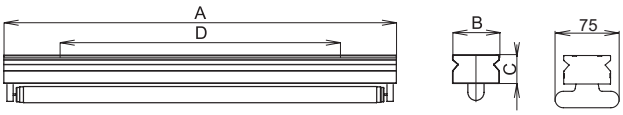
Additional reflectors: **WR** – white painted mertal sheet
AR – high polished aluminium sheet

Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers and suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

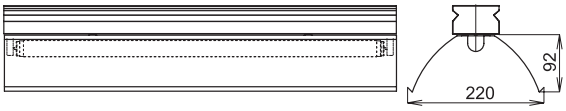
On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

without reflector

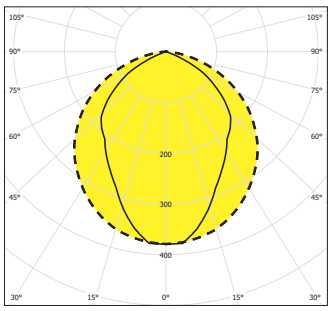


reflector – wide-radiant

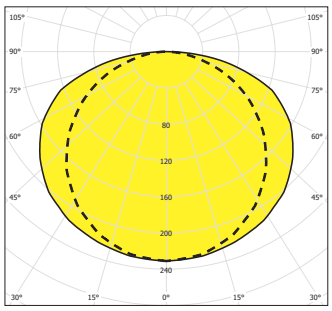
reflector – deep-radiant

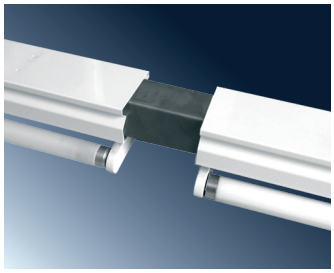


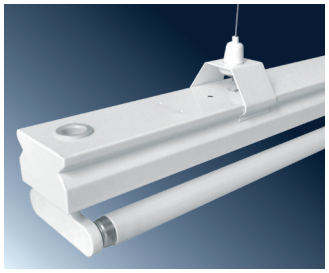
BRIARD-K, 2x58W, IP20 –deep-radiant



BRIARD-K, 2x58W, IP20 – wide-radiant





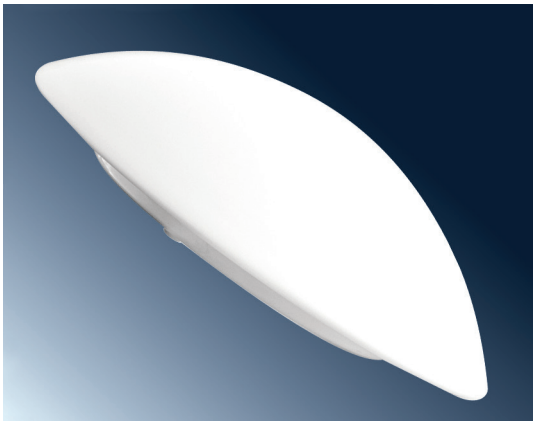


It is necessary to hang with maximum spacing 2,2 m

– electronic ballast – single			
050562	BRIARD-136-EP, 1x36W	T26/G13	1236 x 74 x 45 x 660
050564	BRIARD-236-EP, 2x36W		1236 x 74 x 45 x 660
050563	BRIARD-158-EP, 1x58W		1536 x 74 x 45 x 1180
050565	BRIARD-258-EP, 2x58W		1536 x 74 x 45 x 1180
050664	BRIARD-128-EP, 1x28W	T16/G5	1236 x 74 x 45 x 660
050684	BRIARD-228-EP, 2x28W		1236 x 74 x 45 x 660
050567	BRIARD-154-EP, 1x54W		1236 x 74 x 45 x 660
050568	BRIARD-254-EP, 2x54W		1236 x 74 x 45 x 660
050663	BRIARD-135-EP, 1x35W		1536 x 74 x 45 x 1180
050683	BRIARD-235-EP, 2x35W		1536 x 74 x 45 x 1180
050662	BRIARD-149-EP, 1x49W		1536 x 74 x 45 x 1180
050659	BRIARD-249-EP, 2x49W		1536 x 74 x 45 x 1180
050566	BRIARD-180-EP, 1x80W		1536 x 74 x 45 x 1180
050569	BRIARD-280-EP, 2x80W		1536 x 74 x 45 x 1180
– electronic ballast – through-wired			
050570	BRIARD-P-136-EP, 1x36W	T26/G13	1236 x 74 x 45 x 660
050572	BRIARD-P-236-EP, 2x36W		1236 x 74 x 45 x 660
050571	BRIARD-P-158-EP, 1x58W		1536 x 74 x 45 x 1180
050573	BRIARD-P-258-EP, 2x58W		1536 x 74 x 45 x 1180
050667	BRIARD-P-128-EP, 1x28W	T16/G5	1236 x 74 x 45 x 660
050686	BRIARD-P-228-EP, 2x28W		1236 x 74 x 45 x 660
050575	BRIARD-P-154-EP, 1x54W		1236 x 74 x 45 x 660
050576	BRIARD-P-254-EP, 2x54W		1236 x 74 x 45 x 660
050666	BRIARD-P-135-EP, 1x35W		1536 x 74 x 45 x 1180
050685	BRIARD-P-235-EP, 2x35W		1536 x 74 x 45 x 1180
050665	BRIARD-P-149-EP, 1x49W		1536 x 74 x 45 x 1180
050660	BRIARD-P-249-EP, 2x49W		1536 x 74 x 45 x 1180
050574	BRIARD-P-180-EP, 1x80W		1536 x 74 x 45 x 1180
050577	BRIARD-P-280-EP, 2x80W		1536 x 74 x 45 x 1180
– electronic ballast –beginning-ending			
050578	BRIARD-Z-136-EP, 1x36W	T26/G13	1236 x 74 x 45 x 660
050580	BRIARD-Z-236-EP, 2x36W		1236 x 74 x 45 x 660
050579	BRIARD-Z-158-EP, 1x58W		1536 x 74 x 45 x 1180
050581	BRIARD-Z-258-EP, 2x58W		1536 x 74 x 45 x 1180
050670	BRIARD-Z-128-EP, 1x28W	T16/G5	1236 x 74 x 45 x 660
050688	BRIARD-Z-228-EP, 2x28W		1236 x 74 x 45 x 660
050583	BRIARD-Z-154-EP, 1x54W		1236 x 74 x 45 x 660
050584	BRIARD-Z-254-EP, 2x54W		1236 x 74 x 45 x 660
050669	BRIARD-Z-135-EP, 1x35W		1536 x 74 x 45 x 1180
050687	BRIARD-Z-235-EP, 2x35W		1536 x 74 x 45 x 1180
050668	BRIARD-Z-149-EP, 1x49W		1536 x 74 x 45 x 1180
050661	BRIARD-Z-249-EP, 2x49W		1536 x 74 x 45 x 1180
050582	BRIARD-Z-180-EP, 1x80W		1536 x 74 x 45 x 1180
050585	BRIARD-Z-280-EP, 2x80W		1536 x 74 x 45 x 1180
– special accessories			
050590	Brackter BRIARD with cable suspender (1 pc)		
001650	Bracket BRIARD (1 pc)		
001651	Reflector WR – white 136/236		
001652	Reflector AR – polished 136/236		
001653	Reflector WR – white 158/258		
001654	Reflector AR – polished 158/258		
001655	Reflector AR – deep-radiant 136/236		
001656	Reflector AR – deep-radiant 158/258		
090582	Profile connector BRIARD-P / BRIARD-Z		

PULI

IP 40



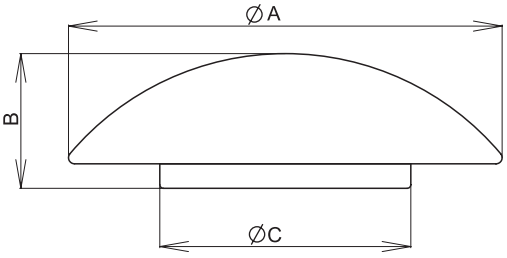
Application: PULI fluorescent and incandescent light fixture is designed for interior lighting, corridors, toilets or as additional lightng.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60Hz
Body: White painted metal sheet (RAL9003)

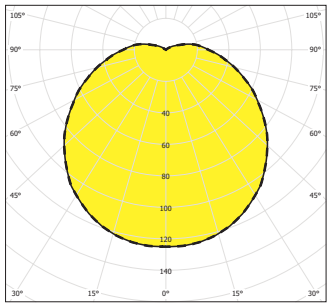
Cover: frosted opal glass, five dimensional sizes

Fastening system: Direct mounting on the ceiling or wall; three mouting points

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires



PULI5, 1x26W/TC-DEL



C0-C180 - - - - C90-C270

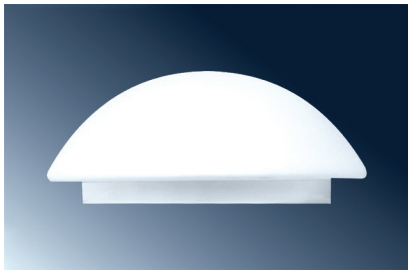
– incandescent version				
140300	PULI1, max 60W/75W **, E27	-	43/E27	205 x 110 x 155
140301	PULI2, max 60W/75W **, E27	12/16W		260 x 110 x 205
140302	PULI3, max 60W/75W **, E27	12/16W		305 x 110 x 205
140303	PULI4, max 2x60W/75W **, E27	12/16/18W		365 x 110 x 245
140304	PULI5, max 2x60W/75W **, E27	12/16/18W		415 x 110 x 245
140308	PULI4-226-EP, 2x26W**, E27			365 x 110 x 245
140305	PULI5-226-EP, 2x26W**, E27			415 x 110 x 245

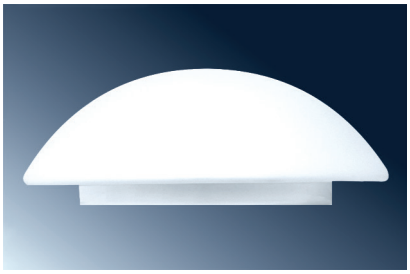
*Valid for compact lamps OSRAM DULUX SUPERSTAR/EL
**Valid for lamps HALOGEN ECO PRO CLASIC AA

– inductive ballast			
050285	PULI2-113, 1x13W	TC-D/G24d1	260 x 110 x 205
050286	PULI3-113, 1x13W		305 x 110 x 205
050288	PULI3-118, 1x18W	TC-D/G24d2	305 x 110 x 205
050279	PULI4-213, 2x13W	TC-D/G24d1	365 x 110 x 245
050289	PULI4-218, 2x18W	TC-D/G24d2	365 x 110 x 245
050287	PULI5-213, 2x13W	TC-D/G24d1	415 x 110 x 245
050290	PULI5-218, 2x18W	TC-D/G24d2	415 x 110 x 245
050291	PULI5-126, 1x26W	TC-D/G24d3	415 x 110 x 245

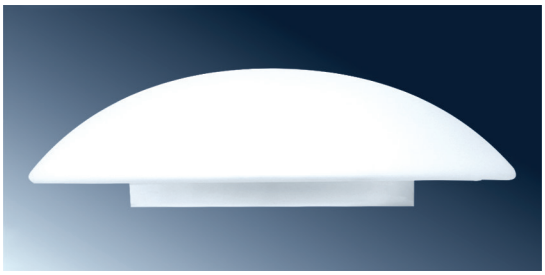
– electronic ballast			
050292	PULI2-113-EP, 1x13W	TC-DEL/G24q1	205 x 110 x 155
050293	PULI3-113-EP, 1x13W		260 x 110 x 205
050294	PULI3-118-EP, 1x18W	TC-DEL/G24q2	260 x 110 x 205
050295	PULI4-213-EP, 2x13W	TC-DEL/G24q1	305 x 110 x 205
050296	PULI4-218-EP, 2x18W	TC-DEL/G24q2	305 x 110 x 205
050280	PULI4-126-EP, 1x26W	TC-DEL/G24q3	305 x 110 x 205
050297	PULI5-213-EP, 2x13W	TC-DEL/G24d1	365 x 110 x 245
050298	PULI5-218-EP, 2x18W	TC-DEL/G24q2	365 x 110 x 245
050299	PULI5-126-EP, 1x26W	TC-DEL/G24q3	365 x 110 x 245

PULI1


PULI2

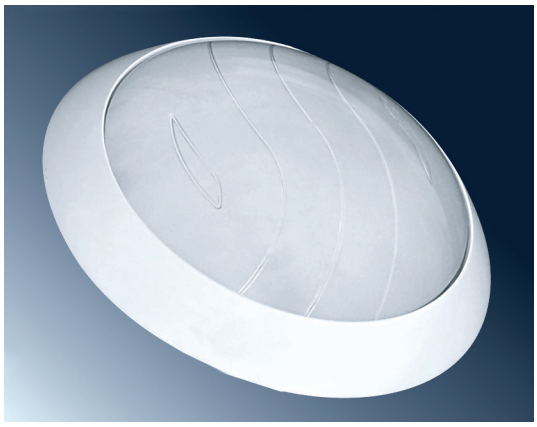

PULI3

PULI4


PULI5

CORSO

IP 65



Application: CORSO fluorescent and incandescent light fixture is designed for interior and exterior lighting with requirements for higher level of protection degree (IP)

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60Hz

Body: Plactic material polycarbonate (PC)

Cover: Finishing 1x46W/E27 – PC material, other finishings – PS material (polystyrol)

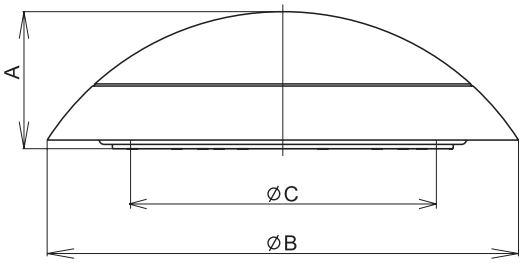
Reflector: Only in finishing 1x46W/E27, white painted sheet, 0,6 mm thick

Fastening system: Direct fastening on the ceiling or wall lighted area with two mounting points

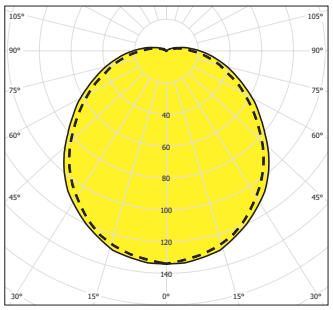
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/

CE | t_a 25°C | KVG | EVG | UV STABIL | EAC | 220-240V 50-60Hz



CORSO, 1x22W/T29-R



—— C0-C180 - - - - C90-C270

– incandescent version			
050230	CORSO – PC, max 1x60W *, E27	43/E27	94 x 327 x 213
– inductive ballast			
050231	CORSO-111, 1x11 W	TC-S/G23	94 x 327 x 213
050232	CORSO-113, 1x13 W	TC-D/G24d1	94 x 327 x 213
050235	CORSO-116, 1x16 W	TC-DD/GR10q	94 x 327 x 213
050240	CORSO-122, 1x22 W	T29-R/G10q	94 x 327 x 213
– electronic ballast			
050243	CORSO-118– EP, 1x18 W	TC-DEL/G24q	94 x 327 x 213
050238	CORSO-124– EP, 1x24 W	TC-F/2G10	94 x 327 x 213
050239	CORSO-122– EP, 1x22 W	T16-R/2GX13	94 x 327 x 213
050246	CORSO-126– EP, 1x26 W	TC-DEL/G24q3	94 x 327 x 213
– insulation class II			
050249	CORSO – II – PC, max 1x60W *	A60/E27	94 x 327 x 213

Each version could be produced with protectiion degree IP20
For use in heavy duty we recommend to use CORSO-PC type
(with optical cover from polycarbonate)
*Valid for lamps OSRAM HALOGEN ECO PRO CLASSIC A

TC-F/2G10

TC-D/G24d1

TC-DEL/G24q

T29-R/G10q

TC-DD/GR10q

43/E27

BÍGL – S, BÍGL – D

IP43, IP20

Application: BÍGL fluorescent light fixture is designed for lighting cellars, bathrooms, toilets, kitchen units or local lighting desktop.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

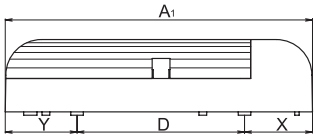
Body, cover and beam: Plastic material PC (polycarbonate). There are available models with bulit-in--switch (VYP – IP20) and without swich (IP43).

Fastening system: Only for wall mounting

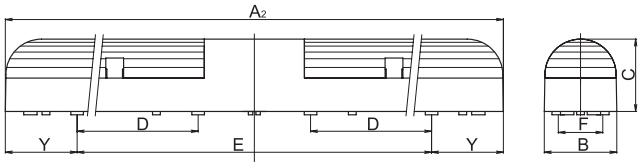
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

170-280 V 0 Hz | t_a 30°C | KVG | EVG | UV STABIL | EAC | 220-240 V 50-60 Hz

BÍGL–S

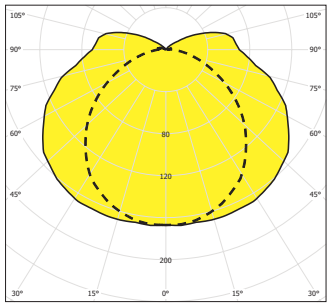


BÍGL–D



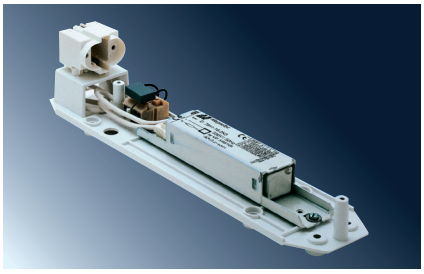
Dimensions D and F are the spacing of mounting holes

BÍGL–D, 2x11W, IP43



—— C0-C180 - - - - C90-C270

			A1 (mm)	A2 (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	X (mm)	Y (mm)
– inductive ballast											
053200	BÍGL – S-111, 1 x 11W, IP43	TC-S/G23	275	-	64	65	150	-	40	61	64
053204	BÍGL-S-111-VYP, 1x11W, switch, IP20		275	-	64	65	150	-	40	61	64
053210	BÍGL – D-211, 2 x 11W, IP43		-	530	64	65	150	420	40	-	64
053213	BÍGL-D-211-VYP, 2x11W, switch, IP20		-	530	64	65	150	420	40	-	64
– electronic ballast											
053201	BÍGL-S-111-EP, 1 x 11W, IP43	TC-SEL/2G7	275	-	64	65	150	-	40	61	64
053205	BÍGL-S-111-VYP-EP, 1x11W, switch, IP20		275	-	64	65	150	-	40	61	64
053211	BÍGL-D-211-EP, 2 x 11W, IP43		-	530	64	65	150	420	40	-	64
053214	BÍGL-S-211-VYP-EP, 2x11W, switch, IP20		-	530	64	65	150	420	40	-	64



BALOT – AR, BALOT2/3 – AR

IP 20

Application: BALOT-AR recessed light fixture is designed for direct lighting in offices, commercial premises and corridors.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

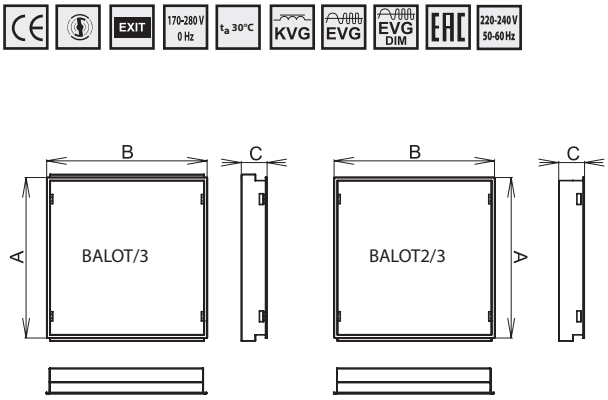
Body: White painted metal sheet (RAL9003)

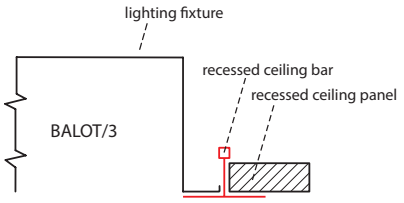
Louvre: AR – longitudinal blades form high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet
WR – longitudal and transverse blades from white painted sheet

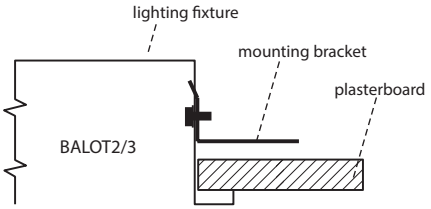
Fastening: BALOT – mounting into M600 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm. BALOT2 - mounting into M625 panel false ceilings with visible holding racks and in plasterboard, minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

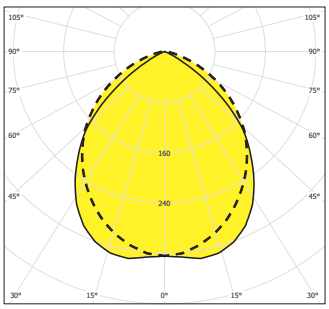
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DAL
ISODOM – 3-pole terminal block for easier mounting







BALOT/3-AR, 4x18W, IP20



C0-C180 - - - - C90-C270

– inductive ballast, compensated, M600			
059012	BALOT-118-AR-K, 1x18W	T26/G13	595 x 182 x 108
059013	BALOT-218-AR-K, 2x18W		595 x 295 x 94
059014	BALOT-318-AR-K, 3x18W		595 x 595 x 94
059015	BALOT-418-AR-K, 4x18W		595 x 595 x 94
059016	BALOT-136-AR-K, 1x36W		1195 x 182 x 108
059017	BALOT-236-AR-K, 2x36W		1195 x 295 x 94
059018	BALOT-336-AR-K, 3x36W		1195 x 595 x 94
059019	BALOT-436-AR-K, 4x36W		1195 x 595 x 94
059020	BALOT-158-AR-K, 1x58W		1495 x 182 x 108
059021	BALOT-258-AR-K, 2x58W		1495 x 295 x 94
059022	BALOT-358-AR-K, 3x58W		1495 x 595 x 94
059023	BALOT-458-AR-K, 4x58W		1495 x 595 x 94
– electronic ballast, M600			
058012	BALOT-118-AR-EP, 1x18W	T26/G13	595 x 182 x 108
058013	BALOT-218-AR-EP, 2x18W		595 x 295 x 94
058014	BALOT-318-AR-EP, 3x18W		595 x 595 x 94
058015	BALOT-418-AR-EP, 4x18W		595 x 595 x 94
058016	BALOT-136-AR-EP, 1x36W		1195 x 182 x 108
058017	BALOT-236-AR-EP, 2x36W		1195 x 295 x 94
058018	BALOT-336-AR-EP, 3x36W		1195 x 595 x 94
058019	BALOT-436-AR-EP, 4x36W		1195 x 595 x 94
058020	BALOT-158-AR-EP, 1x58W		1495 x 182 x 108
058021	BALOT-258-AR-EP, 2x58W		1495 x 295 x 94
058022	BALOT-358-AR-EP, 3x58W		1495 x 595 x 94
058023	BALOT-458-AR-EP, 4x58W		1495 x 595 x 94

– inductive ballast, compensated, M625 and plasterboard				
059084	BALOT2/3-118-AR-K, 1x18W	T26/G13	620 x 188 x 94	605 x 170
059085	BALOT2/3-218-AR-K, 2x18W		620 x 307 x 94	605 x 295
059086	BALOT2/3-318-AR-K, 3x18W		620 x 620 x 94	605 x 605
059087	BALOT2/3-418-AR-K, 4x18W		620 x 620 x 94	605 x 605
059088	BALOT2/3-136-AR-K, 1x36W		1247 x 188 x 94	1230 x 170
059089	BALOT2/3-236-AR-K, 2x36W		1247 x 307 x 94	1230 x 295
059090	BALOT2/3-336-AR-K, 3x36W		1247 x 619 x 94	1230 x 605
059091	BALOT2/3-436-AR-K, 4x36W		1247 x 619 x 94	1230 x 605
059092	BALOT2/3-158-AR-K, 1x58W		1546 x 188 x 94	1530 x 170
059093	BALOT2/3-258-AR-K, 2x58W		1546 x 307 x 94	1530 x 295
059094	BALOT2/3-358-AR-K, 3x58W		1546 x 620 x 94	1530 x 605
059095	BALOT2/3-458-AR-K, 4x58W		1546 x 620 x 94	1530 x 605
– electronic ballast, M625				
058084	BALOT2/3-118-AR-EP, 1x18W	T26/G13	620 x 188 x 94	605 x 170
058085	BALOT2/3-218-AR-EP, 2x18W		620 x 307 x 94	605 x 295
058086	BALOT2/3-318-AR-EP, 3x18W		620 x 620 x 94	605 x 605
058087	BALOT2/3-418-AR-EP, 4x18W		620 x 620 x 94	605 x 605
058088	BALOT2/3-136-AR-EP, 1x36W		1247 x 188 x 94	1230 x 170
058089	BALOT2/3-236-AR-EP, 2x36W		1247 x 307 x 94	1230 x 295
058090	BALOT2/3-336-AR-EP, 3x36W		1247 x 619 x 94	1230 x 605
058091	BALOT2/3-436-AR-EP, 4x36W		1247 x 619 x 94	1230 x 605
058092	BALOT2/3-158-AR-EP, 1x58W		1546 x 188 x 94	1530 x 170
058093	BALOT2/3-258-AR-EP 2x58W		1546 x 307 x 94	1530 x 295
058094	BALOT2/3-358-AR-EP, 3x58W		1546 x 620 x 94	1530 x 605
058095	BALOT2/3-458-AR-EP, 4x58W		1546 x 620 x 94	1530 x 605

On request finishing with WR louvre (longitudal and transverse blades from white painted sheet)

* dimensions of mounting hole for BALOT – AR, BALOT2 – AR luminaires

– special accessories

051138	Set of brackets BALOT2 - plasterboard

BALOT – BAP, BALOT2/3 – BAP

IP 20

Application: BALOT - BAP recessed light fixture is designed for direct lighting in offices, commercial premises and corridors.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

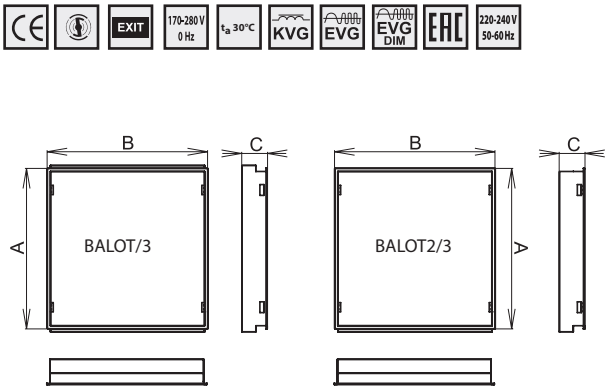
Body: White painted metal sheet (RAL9003)

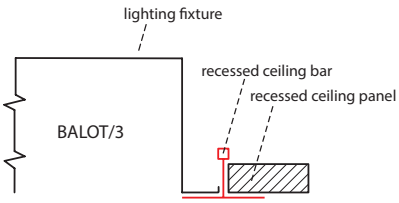
Louvre: **BAP** – parabolic louvre from high polished aluminium sheet
WR – longitudal and transverse blades from white painted sheet

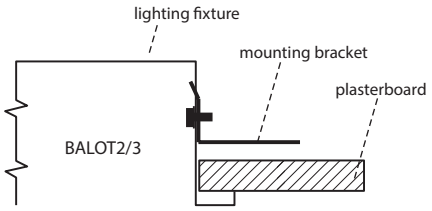
Fastening: BALOT – mounting into M600 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm. BALOT2 - mounting into M625 panel false ceilings with visible holding racks and in plasterboard, minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

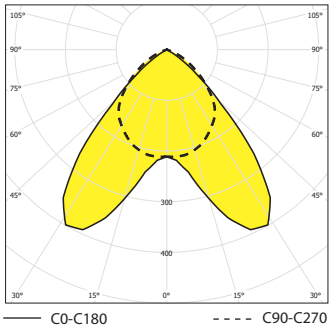
On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting







BALOT/3-BAP, 4x18W, IP20



– inductive ballast, compensated, M600			
059048	BALOT-118-BAP-K, 1x18W	T26/G13	595 x 182 x 108
059059	BALOT-218-BAP-K, 2x18W		595 x 295 x 94
059050	BALOT-318-BAP-K, 3x18W		595 x 595 x 94
059051	BALOT-418-BAP-K, 4x18W		595 x 595 x 94
059052	BALOT-136-BAP-K, 1x36W		1195 x 182 x 108
059053	BALOT-236-BAP-K, 2x36W		1195 x 295 x 94
059054	BALOT-336-BAP-K, 3x36W		1195 x 595 x 94
059055	BALOT-436-BAP-K, 4x36W		1195 x 595 x 94
059056	BALOT-158-BAP-K, 1x58W		1495 x 182 x 108
059057	BALOT-258-BAP-K, 2x58W		1495 x 295 x 94
059058	BALOT-358-BAP-K, 3x58W		1495 x 595 x 94
059059	BALOT-458-BAP-K, 4x58W		1495 x 595 x 94
– electronic ballast, M600			
058048	BALOT-118-BAP-EP, 1x18W	T26/G13	595 x 182 x 108
058049	BALOT-218-BAP-EP, 2x18W		595 x 295 x 94
058050	BALOT-318-BAP-EP, 3x18W		595 x 595 x 94
058051	BALOT-418-BAP-EP, 4x18W		595 x 595 x 94
058052	BALOT-136-BAP-EP, 1x36W		1195 x 182 x 108
058053	BALOT-236-BAP-EP, 2x36W		1195 x 295 x 94
058054	BALOT-336-BAP-EP, 3x36W		1195 x 595 x 94
058055	BALOT-436-BAP-EP, 4x36W		1195 x 595 x 94
058056	BALOT-158-BAP-EP, 1x58W		1495 x 182 x 108
058057	BALOT-258-BAP-EP, 2x58W		1495 x 295 x 94
058058	BALOT-358-BAP-EP, 3x58W		1495 x 595 x 94
058059	BALOT-458-BAP-EP, 4x58W		1495 x 595 x 94

– inductive ballast, compensated, M625 and plasterboard				
059120	BALOT2/3-118-BAP-K, 1x18W	T26/G13	620 x 188 x 94	605 x 170
059121	BALOT2/3-218-BAP-K, 2x18W		620 x 307 x 94	605 x 295
059122	BALOT2/3-318-BAP-K, 3x18W		620 x 620 x 94	605 x 605
059123	BALOT2/3-418-BAP-K, 4x18W		620 x 620 x 94	605 x 605
059124	BALOT2/3-136-BAP-K, 1x36W		1247 x 188 x 94	1230 x 170
059125	BALOT2/3-236-BAP-K, 2x36W		1247 x 307 x 94	1230 x 295
059126	BALOT2/3-336-BAP-K, 3x36W		1247 x 619 x 94	1230 x 605
059127	BALOT2/3-436-BAP-K, 4x36W		1247 x 619 x 94	1230 x 605
059128	BALOT2/3-158-BAP-K, 1x58W		1546 x 188 x 94	1530 x 170
059129	BALOT2/3-258-BAP-K, 2x58W		1546 x 307 x 94	1530 x 295
059130	BALOT2/3-358-BAP-K, 3x58W		1546 x 620 x 94	1530 x 605
059131	BALOT2/3-458-BAP-K, 4x58W		1546 x 620 x 94	1530 x 605
– electronic ballast, M625				
058120	BALOT2/3-118-BAP-EP, 1x18W	T26/G13	620 x 188 x 94	605 x 170
058121	BALOT2/3-218-BAP-EP, 2x18W		620 x 307 x 94	605 x 295
058122	BALOT2/3-318-BAP-EP, 3x18W		620 x 620 x 94	605 x 605
058123	BALOT2/3-418-BAP-EP, 4x18W		620 x 620 x 94	605 x 605
058124	BALOT2/3-136-BAP-EP, 1x36W		1247 x 188 x 94	1230 x 170
058125	BALOT2/3-236-BAP-EP, 2x36W		1247 x 307 x 94	1230 x 295
058126	BALOT2/3-336-BAP-EP, 3x36W		1247 x 619 x 94	1230 x 605
058127	BALOT2/3-436-BAP-EP, 4x36W		1247 x 619 x 94	1230 x 605
058128	BALOT2/3-158-BAP-EP, 1x58W		1546 x 188 x 94	1530 x 170
058129	BALOT2/3-258-BAP-EP 2x58W		1546 x 307 x 94	1530 x 295
058130	BALOT2/3-358-BAP-EP, 3x58W		1546 x 620 x 94	1530 x 605
058131	BALOT2/3-458-BAP-EP, 4x58W		1546 x 620 x 94	1530 x 605

– special accessories

051138	Set of brackets BALOT2 - plasterboard

On request finishing with WR louvre (longitudal and transverse blades from white painted sheet)

* dimensions of mounting hole for BALOT – BAP, BALOT2 – BAP luminaires

BALOT – PX, BALOT2/3 – PX

IP 40

Application: BALOT-PX recessed light fixture is designed for direct lighting in offices, commercial premises and areas with higher maintenance requirements

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

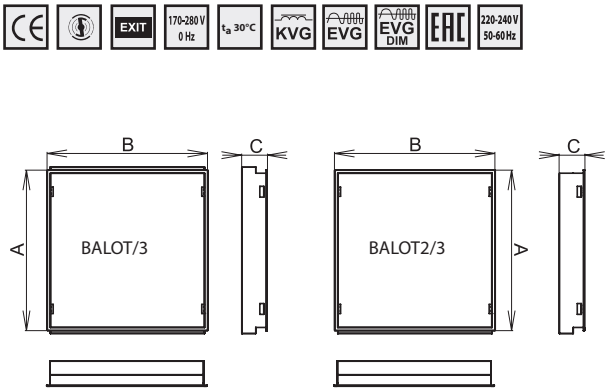
Body: White painted metal sheet (RAL9003)

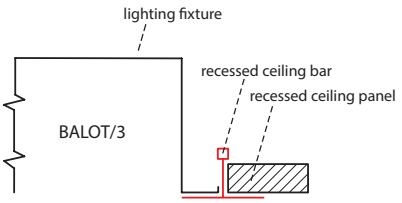
Cover: **PX** – optical prismatic plexiglass
OP – optical opal plexiglass
MP – optical microprism

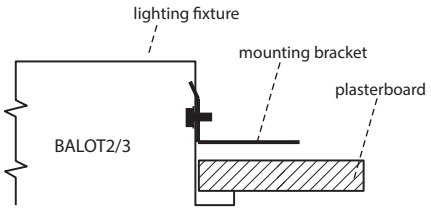
Fastening: BALOT – mounting into M600 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm. BALOT2 - mounting into M625 panel false ceilings with visible holding racks and in plasterboard, minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

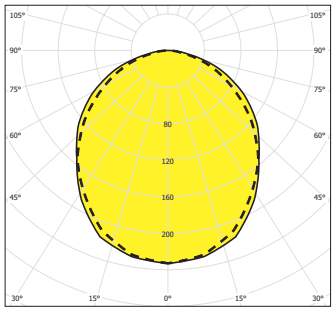
On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting







BALOT/3-PX, 4x18W, IP20



C0-C180 - - - - C90-C270

– inductive ballast, compensated, M600			
059060	BALOT-118-PX-K, 1x18W	T26/G13	595 x 182 x 94
059061	BALOT-218-PX-K, 2x18W		595 x 295 x 94
059062	BALOT-318-PX-K, 3x18W		595 x 595 x 95
059063	BALOT-418-PX-K, 4x18W		595 x 595 x 95
059064	BALOT-136-PX-K, 1x36W		1195 x 182 x 94
059065	BALOT-236-PX-K, 2x36W		1195 x 295 x 94
059066	BALOT-336-PX-K, 3x36W		1195 x 595 x 94
059067	BALOT-436-PX-K, 4x36W		1195 x 595 x 94
059068	BALOT-158-PX-K, 1x58W		1495 x 182 x 94
059069	BALOT-258-PX-K, 2x58W		1495 x 295 x 94
059070	BALOT-358-PX-K, 3x58W		1495 x 595 x 94
059071	BALOT-458-PX-K, 4x58W		1495 x 595 x 94
– electronic ballast, M600			
058060	BALOT-118-PX-EP, 1x18W	T26/G13	595 x 182 x 94
058061	BALOT-218-PX-EP, 2x18W		595 x 295 x 94
058062	BALOT-318-PX-EP, 3x18W		595 x 595 x 95
058063	BALOT-418-PX-EP, 4x18W		595 x 595 x 95
058064	BALOT-136-PX-EP, 1x36W		1195 x 182 x 94
058065	BALOT-236-PX-EP, 2x36W		1195 x 295 x 94
058066	BALOT-336-PX-EP, 3x36W		1195 x 595 x 94
058067	BALOT-436-PX-EP, 4x36W		1195 x 595 x 94
058068	BALOT-158-PX-EP, 1x58W		1495 x 182 x 94
058069	BALOT-258-PX-EP, 2x58W		1495 x 295 x 94
058070	BALOT-358-PX-EP, 3x58W		1495 x 595 x 94
058071	BALOT-458-PX-EP, 4x58W		1495 x 595 x 94

– inductive ballast, compensated, M625 a and plasterboard				
059132	BALOT2/3-118-PX-K, 1x18W	T26/G13	620 x 188 x 94	605 x 170
059133	BALOT2/3-218-PX-K, 2x18W		620 x 307 x 94	605 x 295
059134	BALOT2/3-318-PX-K, 3x18W		620 x 620 x 94	605 x 605
059135	BALOT2/3-418-PX-K, 4x18W		620 x 620 x 94	605 x 605
059136	BALOT2/3-136-PX-K, 1x36W		1247 x 188 x 94	1230 x 170
059137	BALOT2/3-236-PX-K, 2x36W		1247 x 307 x 94	1230 x 295
059138	BALOT2/3-336-PX-K, 3x36W		1247 x 619 x 94	1230 x 605
059139	BALOT2/3-436-PX-K, 4x36W		1247 x 619 x 94	1230 x 605
059140	BALOT2/3-158-PX-K, 1x58W		1546 x 188 x 94	1530 x 170
059141	BALOT2/3-258-PX-K, 2x58W		1546 x 307 x 94	1530 x 295
059142	BALOT2/3-358-PX-K, 3x58W		1546 x 620 x 94	1530 x 605
059143	BALOT2/3-458-PX-K, 4x58W		1546 x 620 x 94	1530 x 605
– electronic ballast, M625				
058132	BALOT2/3-118-PX-EP, 1x18W	T26/G13	620 x 188 x 94	605 x 170
058133	BALOT2/3-218-PX-EP, 2x18W		620 x 307 x 94	605 x 295
058134	BALOT2/3-318-PX-EP, 3x18W		620 x 620 x 94	605 x 605
058135	BALOT2/3-418-PX-EP, 4x18W		620 x 620 x 94	605 x 605
058136	BALOT2/3-136-PX-EP, 1x36W		1247 x 188 x 94	1230 x 170
058137	BALOT2/3-236-PX-EP, 2x36W		1247 x 307 x 94	1230 x 295
058138	BALOT2/3-336-PX-EP, 3x36W		1247 x 619 x 94	1230 x 605
058139	BALOT2/3-436-PX-EP, 4x36W		1247 x 619 x 94	1230 x 605
058140	BALOT2/3-158-PX-EP, 1x58W		1546 x 188 x 94	1530 x 170
058141	BALOT2/3-258-PX-EP 2x58W		1546 x 307 x 94	1530 x 295
058142	BALOT2/3-358-PX-EP, 3x58W		1546 x 620 x 94	1530 x 605
058143	BALOT2/3-458-PX-EP, 4x58W		1546 x 620 x 94	1530 x 605
– special accessories				
051138	Set of brackets BALOT2 - plasterboard			

* dimensions of mounting hole for BALOT – AR, BALOT2 – AR luminaires

BALOT2/3 – P(Z) – AR, BALOT2/3 – P(Z) – BAP IP 20

Application: BALOT2 – P(Z) – AR, BALOT2 – P(Z) – BAP recessed light fixture is designed for mounting in false ceiling wiht visible holding racks and are for areas such as offices, shops, corridors etc.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

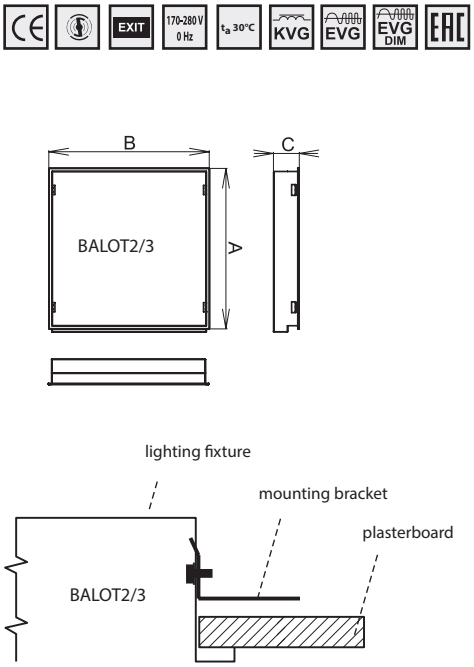
Body: White painted metal sheet (RAL9003)

Louvre: BAP - parabolic louvre from high polished aluminium sheet
AR – longitudinal blades form high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet
WR – longitudal and transverse blades from white painted sheet

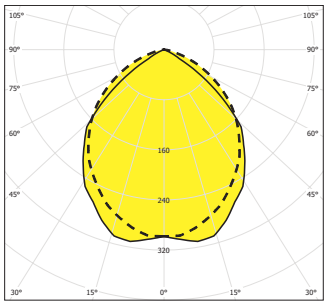
Fastening: Mounting into M625 panel false ceilings with visible holding racks and to plasterboard; minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting

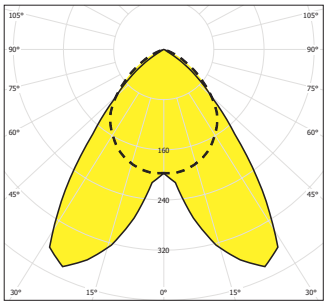


BALOT2/3-AR, 4x18W, IP20



—— C0-C180 - - - - C90-C270

BALOT2/3-BAP, 4x18W, IP20



—— C0-C180 - - - - C90-C270

– through wired, compensated			
050600	BALOT2/3-P-136-AR-K, 1x36W	T26/G13	1239 x 182 x 94
050601	BALOT2/3-P-236-AR-K, 2x36W		1239 x 295 x 94
050602	BALOT2/3-P-158-AR-K, 1x58W		1539 x 182 x 94
050603	BALOT2/3-P-258-AR-K, 2x58W		1539 x 295 x 94
– through wired, electronic ballast			
050610	BALOT2/3-P-136-AR-EP, 1x36W	T26/G13	1239 x 182 x 94
050611	BALOT2/3-P-236-AR-EP, 2x36W		1239 x 295 x 94
050612	BALOT2/3-P-158-AR-EP, 1x58W		1539 x 182 x 94
050613	BALOT2/3-P-258-AR-EP, 2x58W		1539 x 295 x 94
– ending providing, compensated			
050604	BALOT2/3-Z-136-AR-K, 1x36W	T26/G13	1249 x 181 x 94
050605	BALOT2/3-Z-236-AR-K, 2x36W		1249 x 294 x 94
050606	BALOT2/3-Z-158-AR-K, 1x58W		1549 x 181 x 94
050607	BALOT2/3-Z-258-AR-K, 2x58W		1549 x 292 x 94
– ending providing, electronic ballast			
050614	BALOT2/3-Z-136-AR-EP, 1x36W	T26/G13	1249 x 181 x 94
050615	BALOT2/3-Z-236-AR-EP, 2x36W		1249 x 294 x 94
050616	BALOT2/3-Z-158-AR-EP, 1x58W		1549 x 181 x 94
050617	BALOT2/3-Z-258-AR-EP, 2x58W		1549 x 292 x 94

– through wired, compensated			
050620	BALOT2/3-P-136-BAP-K, 1x36W	T26/G13	1239 x 182 x 94
050621	BALOT2/3-P-236-BAP-K, 2x36W		1239 x 295 x 94
050622	BALOT2/3-P-158-BAP-K, 1x58W		1539 x 182 x 94
050623	BALOT2/3-P-258-BAP-K, 2x58W		1539 x 295 x 94
– through wired, electronic ballast			
050630	BALOT2/3-P-136-BAP-EP, 1x36W	T26/G13	1239 x 182 x 94
050631	BALOT2/3-P-236-BAP-EP, 2x36W		1239 x 295 x 94
050632	BALOT2/3-P-158-BAP-EP, 1x58W		1539 x 182 x 94
050633	BALOT2/3-P-258-BAP-EP, 2x58W		1539 x 295 x 94
– ending providing, compensated			
050624	BALOT2/3-Z-136-BAP-K, 1x36W	T26/G13	1249 x 181 x 94
050625	BALOT2/3-Z-236-BAP-K, 2x36W		1249 x 294 x 94
050626	BALOT2/3-Z-158-BAP-K, 1x58W		1549 x 181 x 94
050627	BALOT2/3-Z-258-BAP-K, 2x58W		1549 x 292 x 94
– ending providing, electronic ballast			
050634	BALOT2/3-Z-136-BAP-EP, 1x36W	T26/G13	1249 x 181 x 94
050635	BALOT2/3-Z-236-BAP-EP, 2x36W		1249 x 294 x 94
050636	BALOT2/3-Z-158-BAP-EP, 1x58W		1549 x 181 x 94
050637	BALOT2/3-Z-258-BAP-EP, 2x58W		1549 x 292 x 94
– special accessories			
051138	Set of brackets BALOT2/3 / BARBET - plasterboard		

APSO

IP 20

Application: APSO recessed light fixture is designed for direct lighting in offices and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

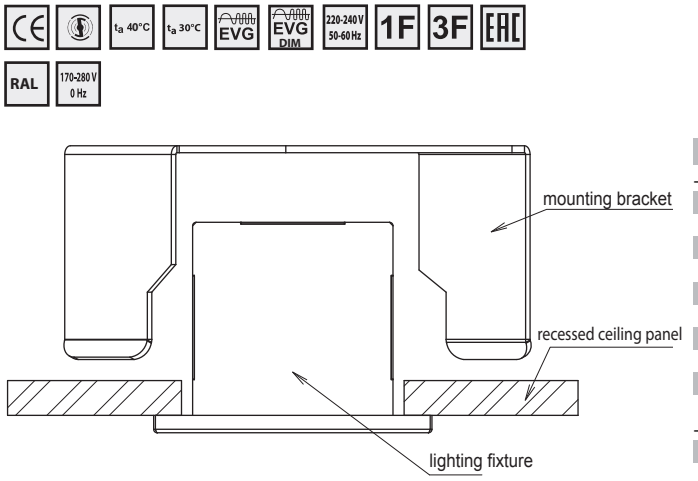
Louvre: MIRO - parabolic louvre from highly polished aluminium sheet MIRO SILVER®

Cover: OP – optical opal cover PMMA

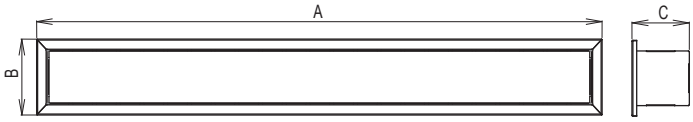
Fastening: Mounting into panel false ceilings with visible holding racks and to plasteboard

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

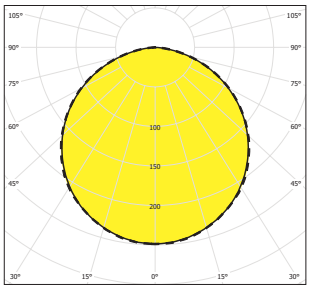
On request: EP – el.ballast 220-240V DC
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



– electronic ballast			
051530	APSO-114-EP, 1x14W		596 x 80 x 65
051531	APSO-124-EP, 1x24W		596 x 80 x 65
051532	APSO-121-EP, 1x21W		896 x 80 x 65
051533	APSO-139-EP, 1x39W		896 x 80 x 65
051534	APSO-128-EP, 1x28W	T16/G15	1196 x 80 x 65
051535	APSO-154-EP, 1x54W		1196 x 80 x 65
051536	APSO-135-EP, 1x35W		1496 x 80 x 65
051537	APSO-149-EP, 1x49W		1496 x 80 x 65
051538	APSO-180-EP, 1x80W		1496 x 80 x 65
– special accessories			
051196	set of brackets for plasterboard APSO 14/24/21/28/39/54		
051197	set of brackets for plasterboard APSO 35/49/80		



ABSO, 1x54W, IP 20



C0-C180 - - - - C90-C270

BALOT/3 – PAR

IP 20

Application: BALOT-PAR recessed light fixture is designed for lighting in commercial premise; suitable to higher spaces.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

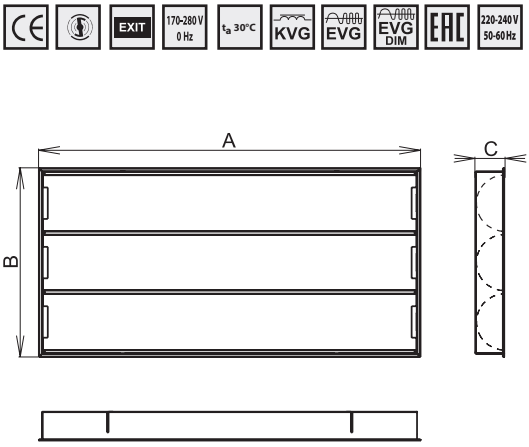
Body: White painted metal sheet (RAL9003)

Reflector: PAR – highly polished aluminium sheet
WR – white painted aluminium sheet

Fastening: Mounting into M600 (T16/G5 finishing) and M625 (T26/G13 finishing) panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm.

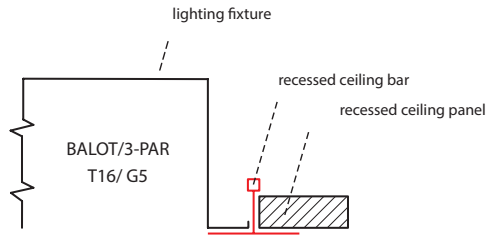
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

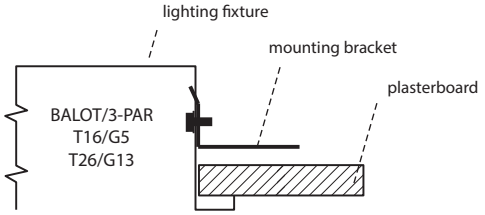
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting



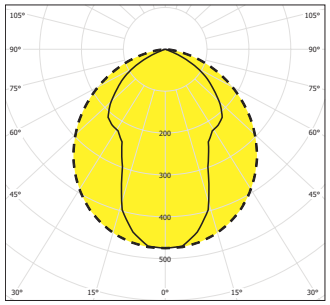
– inductive ballast, compensated				
050442	BALOT/3-PAR-336-K, 3x36W	T26/G13	1247 x 619 x 94	1230 x 605
050443	BALOT/3-PAR-358-K, 3x58W		1547 x 619 x 94	1530 x 605
– electronic ballast				
050444	BALOT/3-PAR-336-EP, 3x36W	T26/G13	1247 x 619 x 94	1230 x 605
050445	BALOT/3-PAR-358-EP, 3x58W		1547 x 619 x 94	1530 x 605
– electronic ballast				
050447	BALOT/3-PAR-454-EP, 4x54W	T16/G5	1547 x 619 x 94	1230 x 605
050448	BALOT/3-PAR-480-EP, 4x80W		1547 x 619 x 94	1530 x 605
– special accessories				
051138	Set of brackets Balot – plasterboard			

* dimensions of mounting hole for mounting ton plasterboard of BALOT/3 – PAR luminaires





BALOT/3-PAR, 3x36W, IP20



—— C0-C180 - - - - C90-C270

BARBET/3

IP 20

Application: BARBET recessed light fixture is designed for direct lighting in offices and commercial premises.

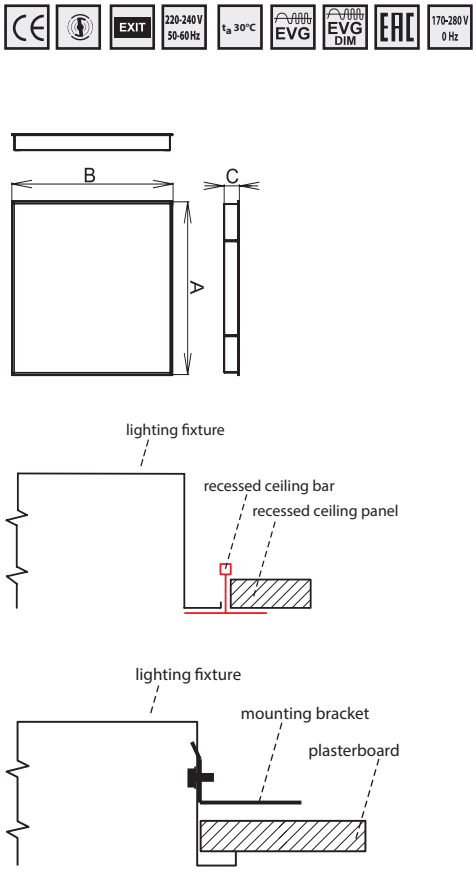
Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)
Louvre: DL – parabolic louvre from tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet
MIRO - parabolic louvre from highly polished aluminium sheet MIRO SILVER®

Fastening: Mounting into M600 panel false ceilings with visible holding racks and to plasteboard, minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

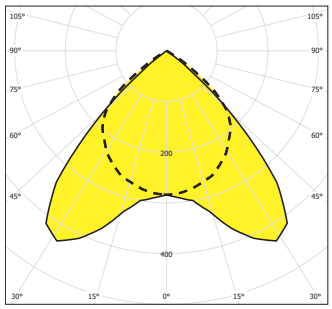
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting



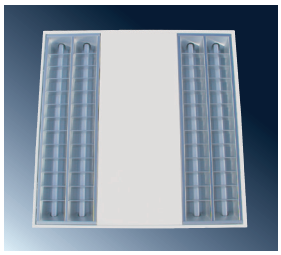
			AxBxC (mm)	AxB (mm) *
– electronic ballast, M600 and plasterboard				
057500	BARBET/3-314-DL-M, 3x14W		597 x 597 x 55	580 x 580
057502	BARBET/3-314-BAP-M, 3x14W		597 x 597 x 55	580 x 580
057501	BARBET/3-314-DL-T, 3x14W		597 x 597 x 55	580 x 580
057503	BARBET/3-314-BAP-T, 3x14W		597 x 597 x 55	580 x 580
057508	BARBET/3-324-DL-M, 3x24W		597 x 597 x 55	580 x 580
057510	BARBET/3-324-BAP-M, 3x24W		597 x 597 x 55	580 x 580
057509	BARBET/3-324-DL-T, 3x24W		597 x 597 x 55	580 x 580
057511	BARBET/3-324-BAP-T, 3x24W		597 x 597 x 55	580 x 580
057620	BARBET/3-414-DL-Q, 4x14W		597 x 597 x 55	580 x 580
057622	BARBET/3-414-BAP-Q, 4x14		597 x 597 x 55	580 x 580
057504	BARBET/3-414-DL-M, 4x14W		597 x 597 x 55	580 x 580
057506	BARBET/3-414-BAP-M, 4x14W		597 x 597 x 55	580 x 580
057505	BARBET/3-414-DL-D, 4x14W		597 x 597 x 55	580 x 580
057507	BARBET/3-414-BAP-D, 4x14W		597 x 597 x 55	580 x 580
057621	BARBET/3-424-DL-Q, 4x24W	T16/G5	597 x 597 x 55	580 x 580
057623	BARBET/3-424-BAP-Q, 4x24W		597 x 597 x 55	580 x 580
057512	BARBET/3-424-DL-M, 4x24W		597 x 597 x 55	580 x 580
057514	BARBET/3-424-BAP-M, 4x24W		597 x 597 x 55	580 x 580
057513	BARBET/3-424-DL-D, 4x24W		597 x 597 x 55	580 x 580
057515	BARBET/3-424-BAP-D, 4x24W		597 x 597 x 55	580 x 580
057516	BARBET/3-128-DL-M, 1x28W		1197 x 297 x 55	1180 x 280
057517	BARBET/3-128-BAP-M, 1x28W		1197 x 297 x 55	1180 x 280
057520	BARBET/3-154-DL-M, 1x54W		1197 x 297 x 55	1180 x 280
057521	BARBET/3-154-BAP-M, 1x54W		1197 x 297 x 55	1180 x 280
057518	BARBET/3-228-DL-M, 2x28W		1197 x 297 x 55	1180 x 280
057519	BARBET/3-228-BAP-M, 2x28W		1197 x 297 x 55	1180 x 280
057522	BARBET/3-254-DL-M, 2x54W		1197 x 297 x 55	1180 x 280
057523	BARBET/3-254-BAP-M, 2x54W		1197 x 297 x 55	1180 x 280
– special accessories				
051138	Set of brackets BARBET - plasterboard			

* dimensions of mounting hole for BARBET luminaires

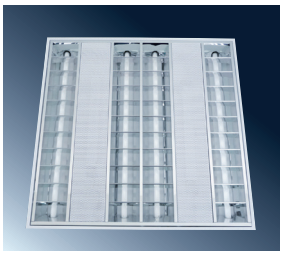
BARBET/3-BAP-DL, 4x14W, IP20



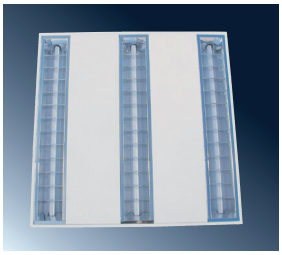
—— C0-C180 - - - - C90-C270



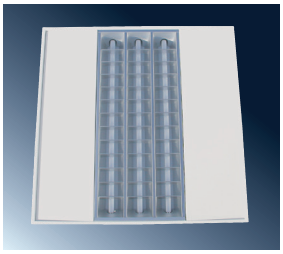
MODEL D



MODEL Q



MODEL T



MODEL M

BARBET/3 – PX

IP 40

Application: BARBET-PX recessed light fixture is designed for lighting in offices, commercial premises, corridors and areas with higher maintenance requirements

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

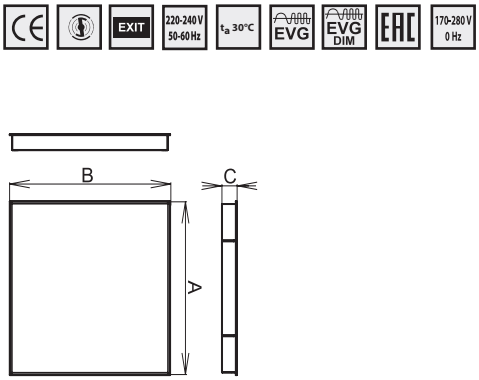
Body: White painted metal sheet (RAL9003)

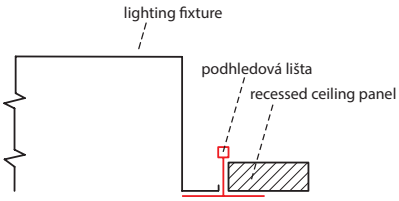
Cover: PX – optical prismatic plexiglass
OP – optical opal plexiglass
MP – optical microprism

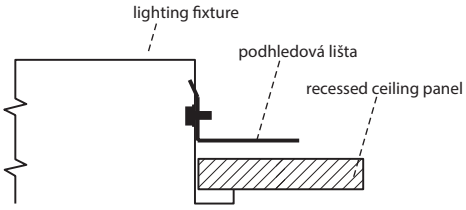
Fastening: Mounting into M600 panel false ceilings with visible holding racks and to plasteboard, minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm2; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting



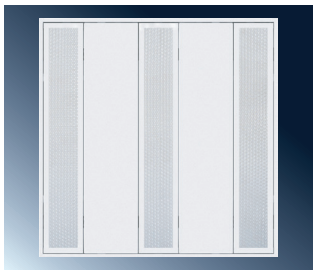




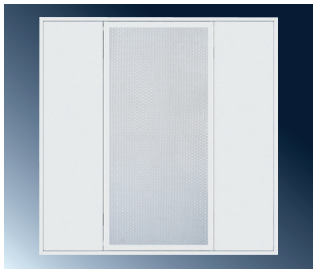
			AxBxC (mm)	AxB (mm) *
– electronic ballast, M600 and plasterboard				
057560	BARBET/3-314-PX-M, 3x14W	T16/G5	597 x 597 x 55	580 x 580
057561	BARBET/3-314-PX-T, 3x14W		597 x 597 x 55	580 x 580
057562	BARBET/3-324-PX-M, 3x24W		597 x 597 x 55	580 x 580
057563	BARBET/3-324-PX-T, 3x24W		597 x 597 x 55	580 x 580
057564	BARBET/3-414-PX-M, 4x14W		597 x 597 x 55	580 x 580
057565	BARBET/3-414-PX-D, 4x14W		597 x 597 x 55	580 x 580
057566	BARBET/3-424-PX-M, 4x24W		597 x 597 x 55	580 x 580
057567	BARBET/3-424-PX-D, 4x24W		597 x 597 x 55	580 x 580
057568	BARBET/3-128-PX-M, 1x28W		1197 x 297 x 55	1180 x 280
057569	BARBET/3-154-PX-M, 1x54W		1197 x 297 x 55	1180 x 280
057570	BARBET/3-228-PX-M, 2x28W		1197 x 297 x 55	1180 x 280
057571	BARBET/3-254-PX-M, 2x54W		1197 x 297 x 55	1180 x 280
– special accessories				
051138	Set of brackets BARBET - plasterboard			

* dimensions of mounting hole for BARBET-PX luminaires

model D

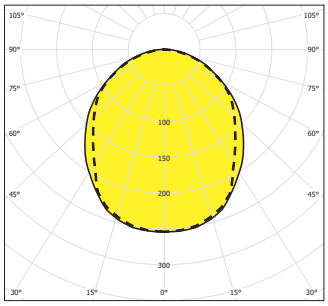


model T



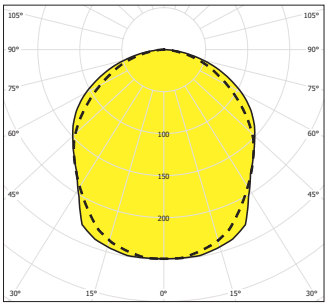
model M

BARBET/3-PX-418-D



C0-C180 ---- C90-C270

BARBET/3-PX-418-M



C0-C180 ---- C90-C270

BARBET/3-L

IP 20

Application: BARBET-L recessed light fixture is designed for direct lighting in offices and commercial premises.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

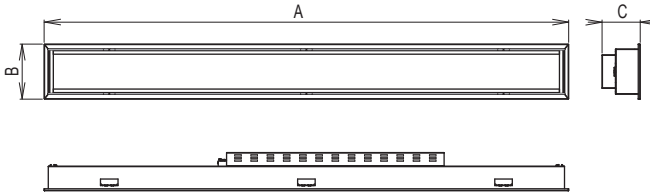
Body: White painted metal sheet (RAL9003)

Cover: **PX** – optical prismatic plexiglass
OP – optical opal plexiglass
MP – optical microprism

Fastening: Mounting into false ceilings with visible holding racks and to plasteboard, minimum height of ceiling free cavity is 200 mm.

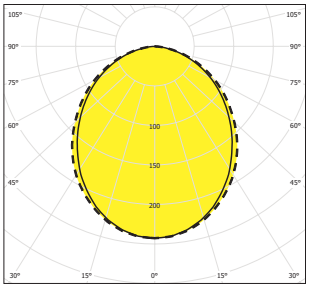
Connection: Screwless terminal block with outside access for easy installation, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



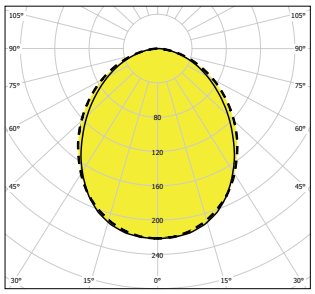
			AxBxC (mm)	AxB (mm)
– electronic ballast				
057650	BARBET/3-L-OP, 1x14W		596 x 125 x 89	580 x 110
057651	BARBET/3-L-OP, 1x24W		596 x 125 x 89	580 x 110
057652	BARBET/3-L-OP, 1x28W		1196 x 125 x 89	1180 x 110
057653	BARBET/3-L-OP, 1x54W	T16/G5	1196 x 125 x 89	1180 x 110
057654	BARBET/3-L-OP, 1x35W		1497 x 125 x 89	1480 x 110
057655	BARBET/3-L-OP, 1x49W		1497 x 125 x 89	1480 x 110
057656	BARBET/3-L-OP, 1x80W		1497 x 125 x 89	1480 x 110
– electronic ballast				
057660	BARBET/3-L-OP, 2x14W		596 x 145 x 89	580 x 130
057661	BARBET/3-L-OP, 2x24W		596 x 145 x 89	580 x 130
057662	BARBET/3-L-OP, 2x28W		1196 x 145 x 89	1180 x 130
057663	BARBET/3-L-OP, 2x54W	T16/G5	1196 x 145 x 89	1180 x 130
057664	BARBET/3-L-OP, 2x35W		1497 x 145 x 89	1480 x 130
057665	BARBET/3-L-OP, 2x49W		1497 x 145 x 89	1480 x 130
057666	BARBET/3-L-OP, 2x80W		1497 x 145 x 89	1480 x 130
– special accessories				
051138	Set of brackets -plasterboard	**??? ponecháno číslo po korektuře české verze**		

BARBET/3-L-OP, 1x54W, IP20

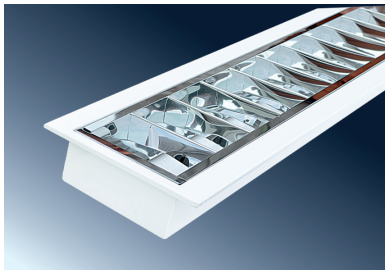


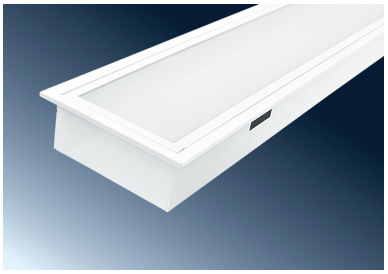
—— C0-C180 - - - -C90-C270

BARBET/3-L-OP, 2x54W, IP20



—— C0-C180 - - - - C90-C270





HOOVER, HOOVER 2

IP 65

Application: HOOVER recessed light fixture is primarily designed for premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

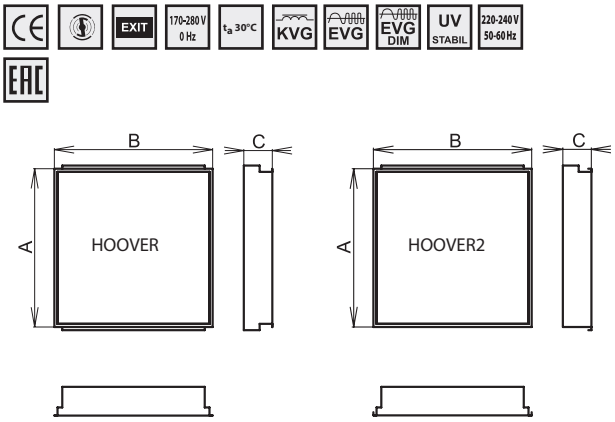
Cover: PX – optical prismatic plexiglass
OP – optical opal plexiglass

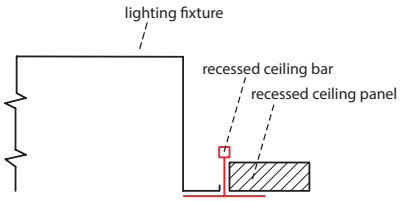
Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and to plasteboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)

Marking: HOOVER – 600x600 modul, HOOVER2 – 625x625 modul

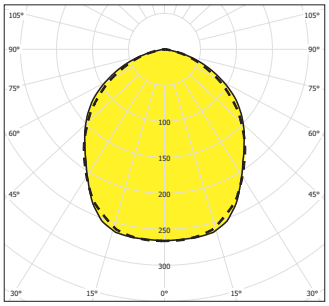




			AxBxC (mm)
– electronic ballast, M600			
058278	HOOVER-218-EP, 2x18W	T26/G13	595 x 298 x 100
058280	HOOVER-418-EP, 4x18W		595 x 595 x 100
058282	HOOVER-236-EP, 2x36W		1197 x 298 x 100
058284	HOOVER-436-EP, 4x36W		1197 x 595 x 100
058286	HOOVER-258-EP, 2x58W		1497 x 298 x 100
058288	HOOVER-458-EP, 4x58W		1497 x 595 x 100
– electronic ballast, M600			
056138	HOOVER-214-EP, 4x14W	T16/G5	595 x 298 x 100
056139	HOOVER-224-EP, 4x24W		595 x 298 x 100
056100	HOOVER-414-EP, 4x14W		595 x 595 x 100
056101	HOOVER-424-EP, 4x24W		595 x 595 x 100
056102	HOOVER-228-EP, 2x28W		1197 x 298 x 100
056103	HOOVER-254-EP, 2x54W		1197 x 298 x 100
056104	HOOVER-428-EP, 4x28W		1197 x 595 x 100
056105	HOOVER-454-EP, 4x54W		1197 x 595 x 100
– electronic ballast, M600			
058260	HOOVER-336-EP, 3x36W, 2G11	TC-L/2G11	595 x 595 x 100
058361	HOOVER-355-EP, 3x55W, 2G11		595 x 595 x 100

			AxBxC (mm)
–electronic ballast, M625			
058302	HOOVER2-218-EP, 2x18W	T26/G13	620 x 312 x 100
058304	HOOVER2-418-EP, 4x18W		620 x 620 x 100
058306	HOOVER2-236-EP, 2x36W		1247 x 312 x 100
058308	HOOVER2-436-EP, 4x36W		1247 x 620 x 100
058310	HOOVER2-258-EP, 2x58W		1547 x 312 x 100
058312	HOOVER2-458-EP, 4x58W		1547 x 620 x 100
– electronic ballast, M625			
056140	HOOVER2-214-EP, 4x14W	T16/G5	620 x 312 x 100
056141	HOOVER2-224-EP, 4x24W		620 x 312 x 100
056110	HOOVER2-414-EP, 4x14W		620 x 620 x 100
056111	HOOVER2-424-EP, 4x24W		620 x 620 x 100
056112	HOOVER2-228-EP, 2x28W		1247 x 312 x 100
056113	HOOVER2-254-EP, 2x54W		1247 x312 x 100
056114	HOOVER2-428-EP, 4x28W		1247 x 620 x 100
056115	HOOVER2-454-EP, 4x54W		1247 x 620 x 100
– electronic ballast, M625			
058262	HOOVER2-336-EP, 3x36W, 2G11	TC-L/2G11	620 x 620 x 100
058263	HOOVER2-355-EP, 3x55W, 2G11		620 x 620 x 100

HOOVER, 4x18, IP65



—— C0-C180 - - - - C90-C270

HOOVER 3

IP 65

Application: HOOVER3 recessed light fixture is designed for mounting to plasterboard and premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

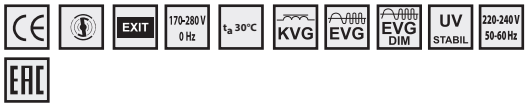
Body: White painted metal sheet (RAL9003)

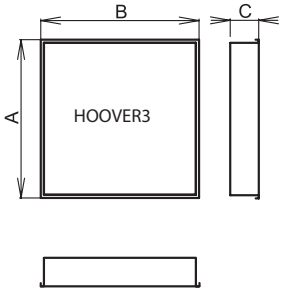
Cover: PX – optical prismatic plexiglass
OP – optical opal plexiglass

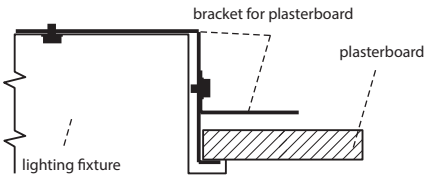
Fastening: Mounting into plasteboard by means of special brackets for plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)



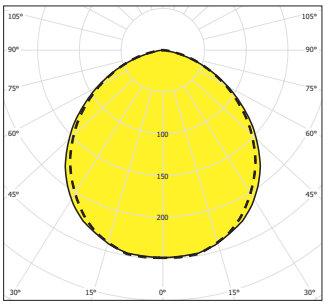




– electronic ballast, plasterboard				
058326	HOOVER3-218-EP, 2 x 18W	T26/G13	310 x 660 x 100	295 x 645
058327	HOOVER3-318-EP, 3 x 18W		655 x 660 x 100	640 x 645
058328	HOOVER3-418-EP, 4 x 18W		655 x 660 x 100	640 x 645
058374	HOOVER3-236-EP, 2 x 36W		310 x 1269 x 100	295 x 1255
058330	HOOVER3-336-EP, 3 x 36W		655 x 1269 x 100	640 x 1255
058331	HOOVER3-436-EP, 4 x 36W		655 x 1269 x 100	640 x 1255
058376	HOOVER3-258-EP, 2 x 58W		310 x 1569 x 100	295 x 1555
058427	HOOVER3-358-EP, 3 x 58W		655 x 1569 x 100	640 x 1555
058410	HOOVER3-458-EP, 4 x 58W		655 x 1569 x 100	640 x 1555
– electronic ballast, plasterboard				
056126	HOOVER3-214-EP, 2 x 14W	T16/G5	310 x 660 x 100	295 x 645
056127	HOOVER3-224-EP, 2 x 24W		310 x 660 x 100	295 x 645
056116	HOOVER3-314-EP, 3 x 14W		655 x 660 x 100	640 x 645
056117	HOOVER3-324-EP, 3 x 24W		656 x 660 x 100	640 x 645
056120	HOOVER3-414-EP, 4 x 14W		656 x 660 x 100	640 x 645
056121	HOOVER3-424-EP, 4 x 24W		656 x 660 x 100	640 x 645
056122	HOOVER3-228-EP, 2 x 28W		310 x 1269 x 100	295 x 1255
056118	HOOVER3-328-EP, 3 x 28W		655 x 1269 x 100	640 x 1255
056124	HOOVER3-428-EP, 4 x 28W		655 x 1269 x 100	640 x 1255
056123	HOOVER3-254-EP, 2 x 54W		310 x 1269 x 100	295 x 1255
057967	HOOVER3-354-EP, 3 x 54W		655 x 1269 x 100	640 x 1255
056125	HOOVER3-454-EP, 4 x 54W		655 x 1269 x 100	640 x 1255
058383	HOUND3-336-EP, 3 x 36W	TC-L/2G11	655 x 660 x 100	640 x 645
059384	HOUND3-355-EP, 3 x 55W		655 x 660 x 100	640 x 645
– special accessories				
051144	Set of brackets for plasterboard HOOVER3/HOUND3 3x/4x			
051143	Set of brackets for plasterboard HOOVER3/HOUND3 1x/2x			

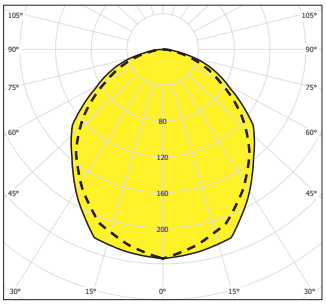
* dimensions of mounting hole for HOOVER3 luminaires

HOOVER3, 4x18W, IP65 (opal plexi glass)

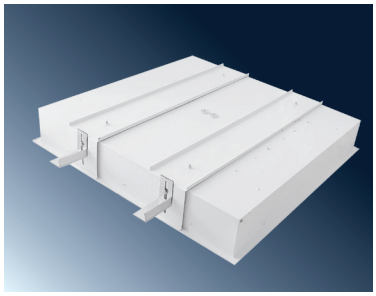


—— C0-C180 - - - - C90-C270

HOOVER, 4x18, IP65



—— C0-C180 - - - - C90-C270



HOOVER 5, HOOVER 6

IP 65

Application: HOOVER5, HOOVER6 recessed light fixture is primarily designed for mounting into metal false ceilings, for premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

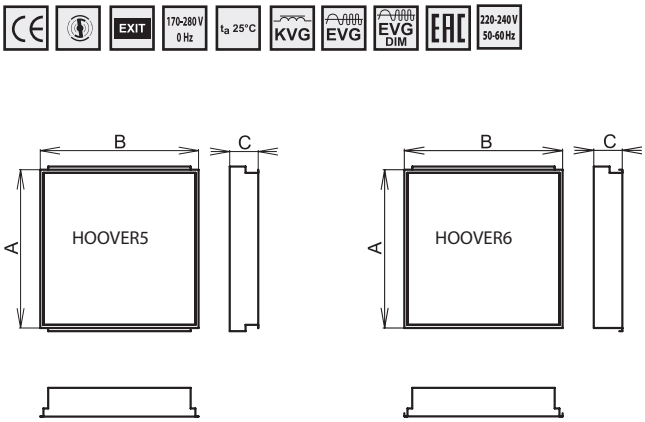
Body: White painted metal sheet (RAL9003)

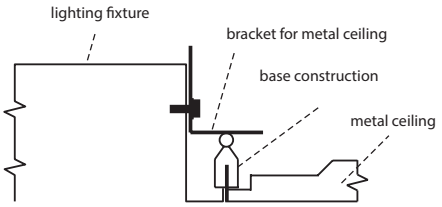
Cover: **PX** – optical prismatic plexiglass
OP – optical opal plexiglass

Fastening: Mounting into metal ceilings modules 600 (HOOVER5) or 625 (HOOVER6) by means of special brackets for metal ceiling.

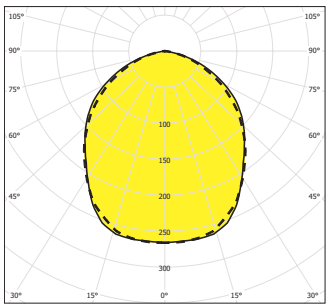
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)





HOOVER5, 4x36W, IP65



C0-C180 - - - - C90-C270

			A×B×C (mm)
– electronic ballast			
057950	HOOVER5-218-EP, 2x18W	T26/G13	298 x 598 x 100
057951	HOOVER5-318-EP, 3x18W		598 x 598 x 100
057952	HOOVER5-418-EP, 4x18W		599 x 598 x 100
057953	HOOVER5-236-EP, 2x36W		298 x 1198 x 100
057954	HOOVER5-336-EP, 3x36W		598 x 1198 x 100
057955	HOOVER5-436-EP, 4x36W		598 x 1198 x 100
– electronic ballast			
057956	HOOVER5-214-EP, 2x14W	T16/G5	298 x 598 x 100
057964	HOOVER5-314-EP, 3x14W		598 x 598 x 100
057958	HOOVER5-414-EP, 4x14W		598 x 598 x 100
057957	HOOVER5-224-EP, 2x24W		298 x 598 x 100
057965	HOOVER5-324-EP, 3x24W		598 x 598 x 100
057959	HOOVER5-424-EP, 4x24W		598 x 598 x 100
057960	HOOVER5-228-EP, 2x28W		298 x 1198 x 100
057966	HOOVER5-328-EP, 3x28W		598 x 1198 x 100
057962	HOOVER5-428-EP, 4x28W		598 x 1198 x 100
057961	HOOVER5-254-EP, 2x54W		298 x 1198 x 100
057967	HOOVER5-354-EP, 3x54W		598 x 1198 x 100
057963	HOOVER5-454-EP, 4x54W		598 x 1198 x 100
– electronic ballast			
057968	HOOVER5-336-EP, 3x36W	TC-L/2G11	598 x 598 x 100
057969	HOOVER5-355-EP, 3x55W		598 x 598 x 100
– electronic ballast			
057970	HOOVER6-218-EP, 2x18W	T26/G13	312 x 623 x 100
057971	HOOVER6-318-EP, 3x18W		623 x 623 x 100
057972	HOOVER6-418-EP, 4x18W		623 x 623 x 100
057973	HOOVER6-236-EP, 2x36W		312 x 1247 x 100
057974	HOOVER6-336-EP, 3x36W		623 x 1247 x 100
057975	HOOVER6-436-EP, 4x36W		623 x 1247 x 100
– electronic ballast			
057976	HOOVER6-214-EP, 2x14W	T16/G5	312 x 623 x 100
057984	HOOVER6-314-EP, 3x14W		623 x 623 x 100
057978	HOOVER6-414-EP, 4x14W		623 x 623 x 100
057977	HOOVER6-224-EP, 4x24W		312 x 623 x 100
057985	HOOVER6-324-EP, 3x24W		623 x 623 x 100
057979	HOOVER6-424-EP, 4x24W		623 x 623 x 100
057980	HOOVER6-228-EP, 2x28W		312 x 1247 x 100
057986	HOOVER6-328-EP, 3x28W		623 x 1247 x 100
057982	HOOVER6-428-EP, 4x28W		623 x 1247 x 100
057981	HOOVER6-254-EP, 2x54W		312 x 1247 x 100
057987	HOOVER6-354-EP, 3x54W		623 x 1247 x 100
057983	HOOVER6-454-EP, 4x54W		623 x 1247 x 100
– electronic ballast			
057988	HOOVER6-336-EP, 3x36W	TC-L/2G11	623 x 623 x 100
057989	HOOVER6-355-EP, 3x55W		623 x 623 x 100
– special accessories			
051154	Set of brackets for metal ceililng HOOVER/HOUND 5/6		

HOUND, HOUND 2

IP 65

Application: HOUND recessed light fixture is primarily designed for premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet
MIRO - parabolic louvre from high polished aluminium sheet MIRO SILVER®

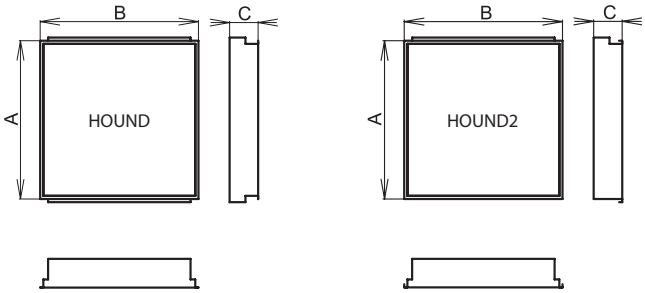
Cover: Tempered safety glass

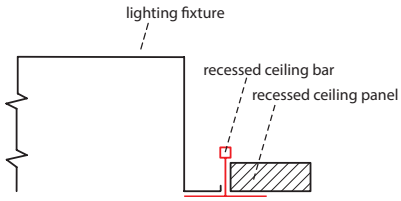
Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and to plasteboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

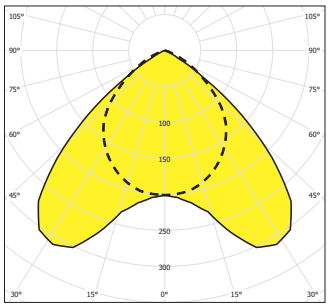
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
PC – cover made from PC (polycarbonate)

Marking: HOUND – 600x600 modul, HOUND2 – 625x625 modul





HOUND-BAP, 4x18W, IP 65



C0-C180 - - - - C90-C270

– electronic ballast, plasterboard			
058398	HOUND-218-EP, 2 x 18W	T26/G13	595 x 298 x 100
058349	HOUND-418-EP, 4 x 18W		595 x 595 x 100
058350	HOUND-236-EP, 2 x 36W		1197 x 298 x 100
058351	HOUND-436-EP, 4 x 36W		1197 x 595 x 100
058352	HOUND-258-EP, 2 x 58W		1497 x 298 x 100
058397	HOUND-458-EP, 4 x 58W		1497 x 595 x 100
– electronic ballast, plasterboard			
059413	HOUND-214-EP, 4 x 14W	T16/G5	595 x 298 x 100
059414	HOUND-224-EP, 4 x 24W		595 x 298 x 100
059353	HOUND-414-EP, 4 x 14W		595 x 595 x 100
059354	HOUND-424-EP, 4 x 24W		595 x 595 x 100
059355	HOUND-228-EP, 2 x 28W		1197 x 298 x 100
059356	HOUND-254-EP, 2 x 54W		1197 x 298 x 100
059357	HOUND-428-EP, 4 x 28W		1197 x 595 x 100
059358	HOUND-454-EP, 4 x 54W		1197 x 595 x 100
– electronic ballast, M600			
58359	HOUND-336-EP, 3 x 36W, 2G11	TC-L/2G11	595 x 595 x 100
58360	HOUND-355-EP, 3 x 55W, 2G11		595 x 595 x 100

– electronic ballast, M625			
58407	HOUND2-218-EP, 2 x 18W	T26/G13	620 x 312 x 100
58361	HOUND2-418-EP, 4 x18W		620 x 620 x 100
58362	HOUND2-236-EP, 2 x 36W		1247 x 312 x 100
58363	HOUND2-436-EP, 4 x 36W		1247 x 620 x 100
58364	HOUND2-258-EP, 2 x 58W		1569 x 310 x 100
58409	HOUND2-458-EP 4 x 58W		1569 x 620 x 100
– electronic ballast, M625			
59415	HOUND2-214-EP, 4 x 14W	T16/G5	620 x 620 x 100
59416	HOUND2-224-EP, 4 x 24W		620 x 620 x 100
59365	HOUND2-414-EP, 4 x14W		620 x 620 x 100
59366	HOUND2-424-EP, 4x24W		620 x 620 x 100
059367	HOUND2-228-EP, 2x28W		1247 x 312 x 100
059368	HOUND2-254-EP, 2x54W		1247 x 312 x 100
059369	HOUND2-428-EP, 4x28W		1247 x 620 x 100
059370	HOUND2-454-EP, 4x54W		1247 x 620 x 100
– electronic ballast, M625			
58371	HOUND2-336-EP, 3x36W, 2G11	TC-L/2G11	620 x 620 x 100
58360	HOUND2-355-EP, 3x55W, 2G11		620 x 620 x 100

HOUND 3

IP 65

Application: HOUND3 recessed light fixture is designed for mounting to plasterboard and premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet
MIRO - parabolic louvre from high polished aluminium sheet MIRO SILVER®

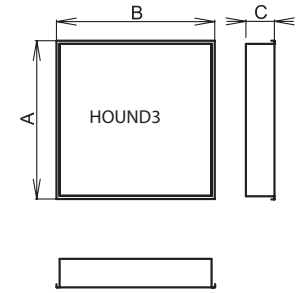
Cover: Tempered safety glass

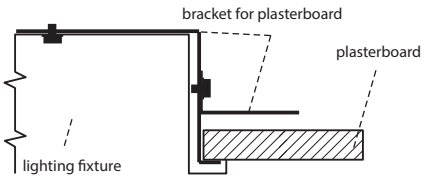
Fastening: Mounting into plasteboard by means of special brackets for plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)

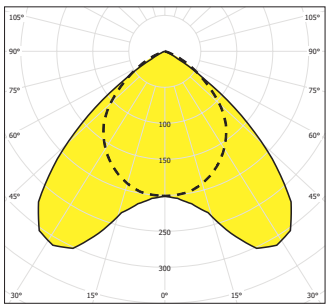
CE | EXIT | 170-280 V 0 Hz | t_a 25°C | KVG | EVG | EVG DIM | UV STABIL | 220-240 V 50-60 Hz | EAC





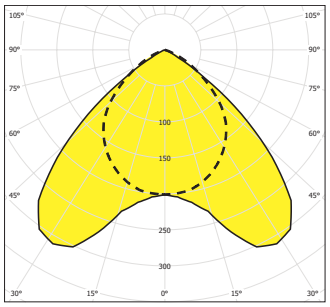
			AxBxC (mm)	AxB (mm)*
– electronic ballast, plasteboard				
058408	HOUND3-218-EP, 2x18W	T26/G13	310 x 660 x 100	295 x 645
058425	HOUND3-318-EP, 3x18W		655 x 660 x 100	640 x 645
058373	HOUND3-418-EP, 4x18W		655 x 660 x 100	640 x 645
058374	HOUND3-236-EP, 2x36W		310 x 1269 x 100	295 x 1255
058426	HOUND3-336-EP, 3x36W		655 x 1269 x 100	640 x 1255
058375	HOUND3-436-EP, 4x36W		655 x 1269 x 100	640 x 1255
058376	HOUND3-258-EP, 2x58W		310 x 1569 x 100	295 x 1555
058427	HOUND3-358-EP, 3x58W		655 x 1569 x 100	640 x 1555
058410	HOUND3-458-EP, 4x58W		655 x 1569 x 100	640 x 1555
– electronic ballast, plasteboard				
058428	HOUND3-314-EP, 3x14W	T16/G5	655 x 660 x 100	640 x 645
059377	HOUND3-414-EP, 4x14W		655 x 660 x 100	640 x 645
058429	HOUND3-324-EP, 3x24W		655 x 660 x 100	640 x 645
059378	HOUND3-424-EP, 4x24W		656 x 660 x 100	640 x 645
059379	HOUND3-228-EP, 2x28W		310 x 1269 x 100	295 x 645
058430	HOUND3-328-EP, 3x28W		655 x 1269 x 100	640 x 1255
059381	HOUND3-428-EP, 4x28W		655 x 1269 x 100	640 x 1255
059380	HOUND3-254-EP, 2x54W		310 x 1269 x 100	295 x 1255
058431	HOUND3-354-EP, 3x54W		655 x 1269 x 100	640 x 1255
059382	HOUND3-454-EP, 4x54W		655 x 1269 x 100	640 x 1255
058383	HOUND3-336-EP, 3x36W, 2G11	TC-L/2G11	655 x 660 x 100	640 x 645
059384	HOUND3-355-EP, 3x55W, 2G11		655 x 660 x 100	640 x 645
– special accessories				
051144	Set of brackets for plasterboard HOOVER3/HOUND3 3x/4x			
051143	Set of brackets for plasterboard HOOVER3/HOUND3 1x/2x			

HOUND3, 4x54W, IP65



—— C0-C180 - - - - C90-C270

HOUND3, 4x18W, IP65



—— C0-C180 - - - - C90-C270

HOUND5, HOUND6

IP 65

Application: HOUND5, HOUND6 recessed light fixture is primarily designed for mounting into metal false ceilings, for premises requiring the higher degree of protection IP, into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

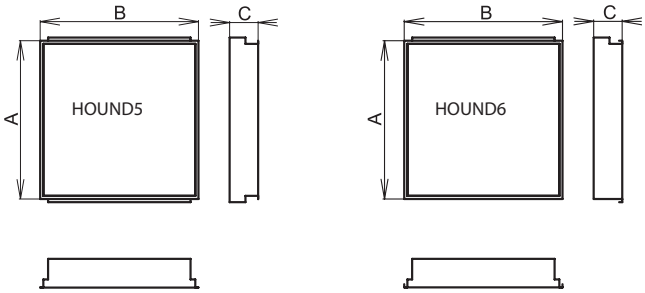
Louvre: **BAP** – parabolic louvre from high polished aluminium sheet
MIRO - parabolic louvre from high polished aluminium sheet MIRO SILVER®

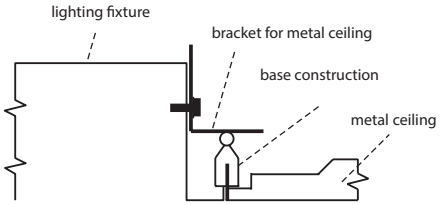
Cover: Tempered safety glass

Fastening: Mounting into metal ceilings modules 600 (HOUND5) or 625 (HOUND6) by means of special brackets for metal ceiling.

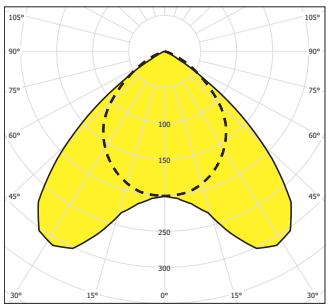
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)



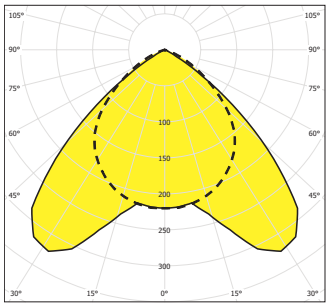


HOUND5, 4x14W, IP65



—— C0-C180 - - - - C90-C270

HOUND6, 2x36W, IP65



—— C0-C180 - - - - C90-C270

– electronic ballast			
057900	HOUND5-218-EP, 2x18W	T26/G13	598 x 298 x 100
057901	HOUND5-318-EP, 3x18W		598 x 598 x 100
057902	HOUND5-418-EP, 4x18W		598 x 598 x 100
057903	HOUND5-236-EP, 2x36W		1198 x 298 x 100
057904	HOUND5-336-EP, 3,x36W		1198 x 598 x 100
057905	HOUND5-436-EP, 4x36W		1198 x 598 x 100
– electronic ballast			
057906	HOUND5-214-EP, 2x14W	T16/G5	598 x 298 x 100
057914	HOUND5-314-EP, 3x14W		598 x 598 x 100
057908	HOUND5-414-EP, 4x14W		598 x 598 x 100
057907	HOUND5-224-EP, 4x24W		598 x 298 x 100
057915	HOUND5-324-EP, 3x24W		598 x 598 x 100
057909	HOUND5-424-EP, 4x24W		598 x 598 x 100
057910	HOUND5-228-EP, 2x28W		1198 x 298 x 100
057916	HOUND5-328-EP, 3x28W		1198 x 597 x 100
057912	HOUND5-428-EP, 4x28W		1198 x 598 x 100
057911	HOUND5-254-EP, 2x54W		1198 x 298 x 100
057917	HOUND5-354-EP, 3x54W		1198 x 597 x 100
057913	HOUND5-454-EP, 4x54W		1198 x 598 x 100
– electronic ballast			
057918	HOUND5-336-EP, 3x36W	TC-L/2G11	598 x 598 x 100
057919	HOUND5-355-EP, 3x55W		598 x 598 x 100
– electronic ballast, M625			
57920	HOUND6-218-EP, 2x18W	T26/G13	623 x 312 x 100
57921	HOUND6-318-EP, 3x18W		623 x 623 x 100
57922	HOUND6-418-EP, 4x18W		1247 x 312 x 100
57923	HOUND6-236-EP, 2x36W		1247 x 312 x 100
57924	HOUND6-336-EP, 3x36W		1247 x 623 x 100
57925	HOUND6-436-EP 4x36W		1247 x 623 x 100
– electronic ballast, M625			
57926	HOUND6-214-EP, 2x14W	T16/G5	623 x 312 x 100
57927	HOUND6-224-EP, 2x24W		623 x 312 x 100
57928	HOUND6-414-EP, 4x14W		623 x 623 x 100
57929	HOUND6-424-EP, 4x24W		623 x 623 x 100
57930	HOUND2-228-EP, 2x28W		1247 x 312 x 100
57931	HOUND6-254-EP, 2x54W		1247 x 312 x 100
57932	HOUND6-428-EP, 4x28W		1247 x 623 x 100
57933	HOUND6-454-EP, 4x54W		1247 x 623 x 100
– electronic ballast, M625			
057938	HOUND6-336-EP, 3x36W, IP65, 2G11, M623	TCL/2G11	623 x 623 x100
057939	HOUND6-355-EP, 3x55W, IP65, 2G11, M623		623 x 623 x100
– special accessories			
051154	Set of brackets for metal ceililng HOUND/HOUND 5/6		

VERTIGO20

IP 20

Application: VERTIGO recessed light fixture is characterized by a very pleasant light thanks to a folder of indirect emissions. It is designed for lighting in meeting rooms, shops and offices.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

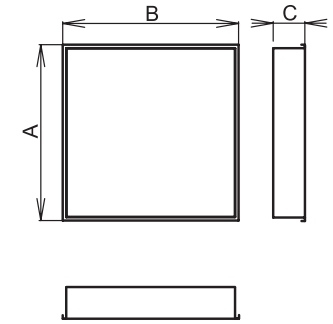
Body: White painted metal sheet (RAL9003)

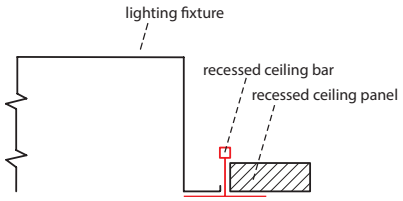
Reflector, louvre: WR – white painted reflector
MAT – matt reflector
MAT + MR – matt refelctor + parabolic louvre from high polished aluminium sheet

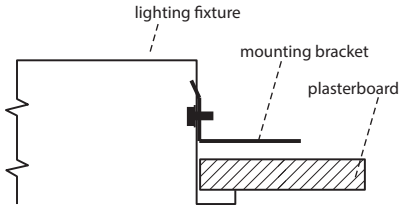
Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and plasterboard. Minimum height of ceiling free cavity is 200 mm. VERTIGO2 - mounting into M625 panel false ceilings with visible holding racks and in plasterboard, minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
ISODOM – 3-pole terminal block for easier mounting







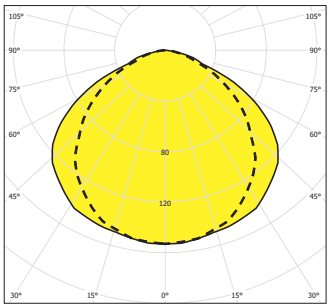
			AxBxC (mm)	AxB (mm) *
– inductive ballast, compensated, M600 and plasterboard				
059217	VERTIGO20/3-136-WR, 1x36W	TC-L/2G11	595 x 595 x 120	585 x 585
059221	VERTIGO20/3-136-MAT, 1x36W		595 x 595 x 120	585 x 585
059218	VERTIGO20/3-236-WR, 2x36W		595 x 595 x 120	585 x 585
059222	VERTIGO20/3-236-MAT, 2x36W		595 x 595 x 120	585 x 585
– electronic ballast, M600 and plasterboard				
058218	VERTIGO20/3-236-WR-EP, 2x36W	TC-L/2G11	595 x 595 x 120	585 x 585
058222	VERTIGO20/3-236-MAT-EP, 2x36W		595 x 595 x 120	585 x 585
059219	VERTIGO20/3-155-WR-EP, 1x55W		595 x 595 x 120	585 x 585
059223	VERTIGO20/3-155-MAT-EP, 1x55W		595 x 595 x 120	585 x 585
059220	VERTIGO20/3-255-WR-EP, 2x55W		595 x 595 x 120	585 x 585
059224	VERTIGO20/3-255-MAT-EP, 2x55W		595 x 595 x 120	585 x 585
059250	VERTIGO20/3-214-MAT+MR-EP, 2x14W	T16/G5	595 x 595 x 120	585 x 585
059251	VERTIGO20/3-224-MAT+MR-EP, 2x14W		595 x 595 x 120	585 x 585
–inductive ballast, compensated, M625 and plasterboard				
059229	VERTIGO202/3-136-WR, 1x36W	TC-L/2G11	595 x 595 x 120	585 x 585
059233	VERTIGO202/3-136-MAT, 1x36W		595 x 595 x 120	585 x 585
059230	VERTIGO202/3-236-WR, 2x36W		595 x 595 x 120	585 x 585
059234	VERTIGO202/3-236-MAT, 2x36W		595 x 595 x 120	585 x 585
– electronic ballast, M625 and plasterboard				
058230	VERTIGO202/3-236-WR-EP, 2x36W	TC-L/2G11	620 x 620 x 120	610 x 610
058234	VERTIGO202/3-236-MAT-EP, 2x36W		620 x 620 x 120	610 x 610
058231	VERTIGO202/3-155-WR-EP, 1x55W		620 x 620 x 120	610 x 610
058235	VERTIGO202/3-155-MAT-EP, 1x55W		620 x 620 x 120	610 x 610
058232	VERTIGO202/3-255-WR-EP, 2x55W		620 x 620 x 120	610 x 610
058236	VERTIGO202/3-255-MAT-EP, 2x55W		620 x 620 x 120	610 x 610
059252	VERTIGO202/3-214-MAT+MR-EP, 2x14W	T16/G5	620 x 620 x 120	610 x 610
059253	VERTIGO202/3-224-MAT+MR-EP, 2x14W		620 x 620 x 120	610 x 610
– special accessories				
051138	Set of brackets BALOT2 - plasterboard			

Marking: VERTIGO – 600x600 modul and plasterboard , VERTIGO2 – 625x625 modul and plasterboard

Order codes and technical inforamtion of VERTIGO2 luminaires on request..

* dimensions of mounting hole for VERTIGO luminaires

VERTIGO-WR, 2x36W, IP20



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MAT+MR

WR

VERTIGO 65

IP 65

Application: VERTIGO65 recessed light fixture is designed for premises requiring the higher degree of protection (IP), into cleanrooms, such as hositals, laboratories, food industry. Fitting desing alows for easy maintenance. Light fixture is characterized by a very pleasant light thanks to a folder of indirect emissions.

Ballast: EP – electronic ballast 220-240V/50-60Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

Reflector, louvre: **WR** – white painted reflector
MAT – matt reflector
MAT + MR – matt refelctor + parabolic louvre from high polished aluminium sheet

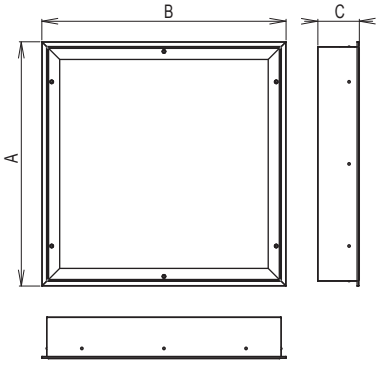
Cover: Tempered safety glass

Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires

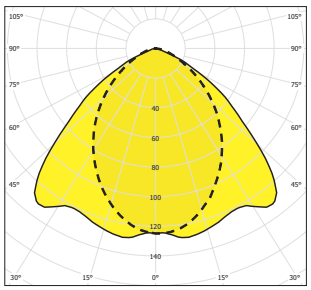
On request: **Em** – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finishing
PC COVER – cover from PC (polycarbonate)

CE | EAC | EXIT | t_a 30°C | EVG | EVG DIM | 220-240 V 50-60 Hz | 170-280 V 0 Hz | 1F | 3F



			AxBxC (mm)
– electronic ballast			
059800	VERTIGO65/3-136-WR-K, 1x36W	TC-L/2G11	596 x 596 x 120
059801	VERTIGO65/3-236-WR-K, 2x36W		596 x 596 x 120
059802	VERTIGO65/3-136-MAT-K, 1x36W		596 x 596 x 120
059803	VERTIGO65/3-236-MAT-K, 2x36W		596 x 596 x 120
059804	VERTIGO65/3-136-WR-EP, 1x36W		596 x 596 x 120
059805	VERTIGO65/3-236-WR-EP, 2x36W		596 x 596 x 120
059806	VERTIGO65/3-136-MAT-EP, 1x36W		596 x 596 x 120
059807	VERTIGO65/3-236-MAT-EP, 2x36W		596 x 596 x 120
059808	VERTIGO65/3-155-WR-EP, 1x55W		596 x 596 x 120
059809	VERTIGO65/3-255-WR-EP, 2x55W		596 x 596 x 120
059810	VERTIGO65/3-155-MAT-EP, 1x55W		596 x 596 x 120
059811	VERTIGO65/3-255-MAT-EP, 2x55W		596 x 596 x 120
059812	VERTIGO65/3-214-MAT+MR-EP	T16/G5	596 x 596 x 120
059813	VERTIGO65/3-224-MAT+MR-EP		596 x 596 x 120
059820	VERTIGO652/3-136-WR-K, 1x36W	TC-L/2G11	620 x 620 x 120
059821	VERTIGO652/3-236-WR-K, 2x36W		620 x 620 x 120
059822	VERTIGO652/3-136-MAT-K, 1x36W		620 x 620 x 120
059823	VERTIGO652/3-236-MAT-K, 2x36W		620 x 620 x 120
059824	VERTIGO652/3-136-WR-EP, 1x36W		620 x 620 x 120
059825	VERTIGO652/3-236-WR-EP, 2x36W		620 x 620 x 120
059826	VERTIGO652/3-136-MAT-EP, 1x36W		620 x 620 x 120
059827	VERTIGO652/3-236-MAT-EP, 2x36W		620 x 620 x 120
059828	VERTIGO652/3-155-WR-EP, 1x55W		620 x 620 x 120
059829	VERTIGO652/3-255-WR-EP, 2x55W		620 x 620 x 120
059830	VERTIGO652/3-155-MAT-EP, 1x55W		620 x 620 x 120
059831	VERTIGO652/3-255-MAT-EP, 2x55W		620 x 620 x 120
059832	VERTIGO652/3-214-MAT+MR-EP	T16/G5	620 x 620 x 120
059833	VERTIGO652/3-224-MAT+MR-EP		620 x 620 x 120

VERTIGO65/3-255-MAT, IP65



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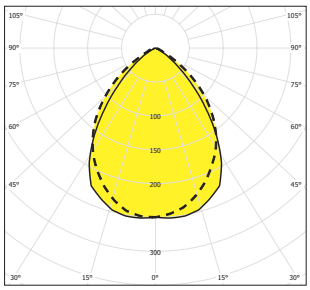
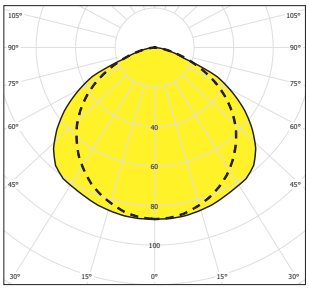
VERTIGO65/3-255-MAT+MR, IP65



C0-C180 - - - - C90-C270

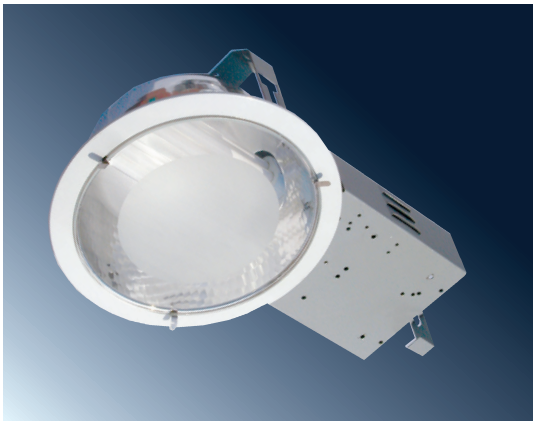
VERTIGO65/3-255-WR+MR, IP65



C0-C180 - - - - C90-C270

BANDOG

IP 20



Application: BANDOG recessed light fixture is characterized by a very pleasant light thanks to a folder of indirect emissions. It is designed for lighting in meeting rooms, shops and offices.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60Hz

Body: Metal sheet, gear box – steel sheet

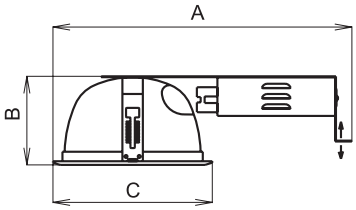
Reflector: Polished aluminium sheet

Marking: BANDOG – without protection of reflector
BANDOG2 – with glass cover
BANDOG3 – with louvre from aluminium sheet

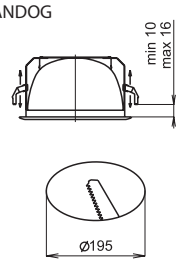
Fastening: Mounting into ceiling modules

Connection:Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

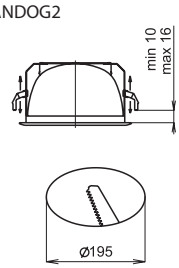
On request: MULTI – maintained emergency lighting (1h) /see page 176/



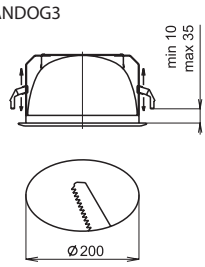
BANDOG



BANDOG2



BANDOG3

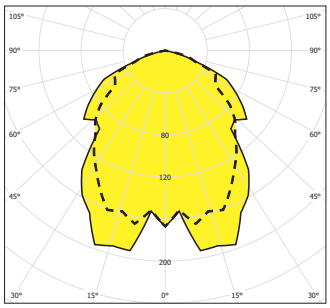


– inductive ballast				
054200	BANDOG-113, 1x13W	TC-D/G24d1	390 x 120 x 218	195
054202	BANDOG-118, 1x18W	TC-D/G24d2	390 x 120 x 218	195
054204	BANDOG-126, 1x26W	TC-D/G24d3	390 x 120 x 218	195
054201	BANDOG-213, 2x13W	TC-D/G24d1	390 x 120 x 218	195
054203	BANDOG-218, 2x18W	TC-D/G24d2	390 x 120 x 218	195
054205	BANDOG-226, 2x26W	TC-D/G24d3	390 x 120 x 218	195
054206	BANDOG2-113, 1x13W	TC-D/G24d1	390 x 120 x 218	195
054208	BANDOG2-118, 1x18W	TC-D/G24d2	390 x 120 x 218	195
054210	BANDOG2-126, 1x26W	TC-D/G24d3	390 x 120 x 218	195
054207	BANDOG2-213, 2x13W	TC-D/G24d1	390 x 120 x 218	195
054209	BANDOG2-218, 2x18W	TC-D/G24d2	390 x 120 x 218	195
054211	BANDOG2-226, 2x26W	TC-D/G24d3	390 x 120 x 218	195
054212	BANDOG3-113, 1x13W	TC-D/G24d1	400 x 136 x 225	200
054214	BANDOG3-118, 1x18W	TC-D/G24d2	400 x 136 x 225	200
054216	BANDOG3-126, 1x26W	TC-D/G24d3	400 x 136 x 225	200
054213	BANDOG3-213, 2x13W	TC-D/G24d1	400 x 136 x 225	200
054215	BANDOG3-218, 2x18W	TC-D/G24d2	400 x 136 x 225	200
054217	BANDOG3-226, 2x26W	TC-D/G24d3	400 x 136 x 225	200

– electronic ballast				
054250	BANDOG-EP-113, 1x13W	TC-DEL/G24q1	390 x 120 x 218	195
054252	BANDOG-EP-118, 1x18W	TC-DEL/G24q2	390 x 120 x 218	195
054254	BANDOG-EP-126, 1x26W	TC-DEL/G24q3	390 x 120 x 218	195
054251	BANDOG-EP-213, 2x13W	TC-DEL/G24q1	390 x 120 x 218	195
054253	BANDOG-EP-218, 2x18W	TC-DEL/G24q2	390 x 120 x 218	195
054255	BANDOG-EP-226, 2x26W	TC-DEL/G24q3	390 x 120 x 218	195
054256	BANDOG2-EP-113, 1x13W	TC-DEL/G24q1	390 x 120 x 218	195
054258	BANDOG2-EP-118, 1x18W	TC-DEL/G24q2	390 x 120 x 218	195
054260	BANDOG2-EP-126, 1x26W	TC-DEL/G24q3	390 x 120 x 218	195
054257	BANDOG2-EP-213, 2x13W	TC-DEL/G24q1	390 x 120 x 218	195
054259	BANDOG2-EP-218, 2x18W	TC-DEL/G24q2	390 x 120 x 218	195
054261	BANDOG2-EP-226, 2x26W	TC-DEL/G24q3	390 x 120 x 218	195
054262	BANDOG3-EP-113, 1x13W	TC-DEL/G24q1	400 x 136 x 225	200
054264	BANDOG3-EP-118, 1x18W	TC-DEL/G24q2	400 x 136 x 225	200
054266	BANDOG3-EP-126, 1x26W	TC-DEL/G24q3	400 x 136 x 225	200
054263	BANDOG3-EP-213, 2x13W	TC-DEL/G24q1	400 x 136 x 225	200
054265	BANDOG3-EP-218, 2x18W	TC-DEL/G24q2	400 x 136 x 225	200
054267	BANDOG3-EP-226, 2x26W	TC-DEL/G24q3	400 x 136 x 225	200

* * Dimension of mounting hole BANDOG

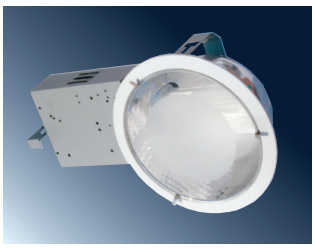
BANDOG, 2x26W, IP20



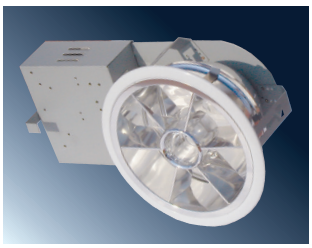
C0-C180 - - - - C90-C270

BANDOG

BANDOG 2



BANDOG 3



BANDOG-SQUARE

IP 43/IP 20

Application: BANDOG-SQUARE recessed light fixture is characterized by a very pleasant light thanks to a folder of indirect emissions. It is designed for lighting in meeting rooms, shops and offices.

Ballast: EP – electronic ballast 220-240V/50-60Hz

Body: Metal sheet RAL 9003

Cover : PC – transparent polycarbonate cover
OP – opal plexi glass
– without cover

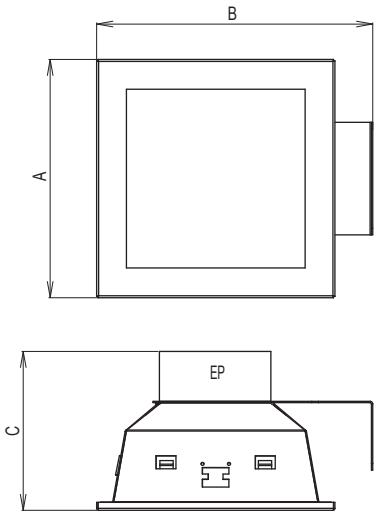
Reflector: Polished aluminium sheet
AS – asymmetric aluminium reflector

Fastening: Mounting into ceiling modules

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: EM - non-maintained emergency lighting
MULTI – maintained emergency lighting
DIM – dimmable electronic ballast

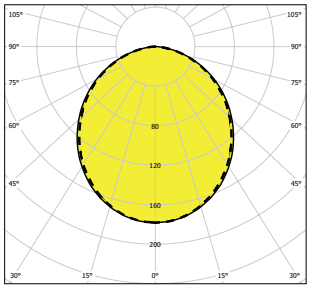
EXIT t_a 30°C EVG 220-240 V 50-60 Hz RAL



– electronic ballast, without cover				
051550	BANDOG-SQUARE-118, 1x18W	TC-DEL	G24q-2	180 x 210 x 130 / 165 x 165
051551	BANDOG-SQUARE-218, 2x18W			180 x 210 x 130 / 165 x 165
051552	BANDOG-SQUARE-126, 1x26W		G24q-3	180 x 210 x 130 / 165 x 165
051553	BANDOG-SQUARE-226, 2x26W			180 x 210 x 130 / 165 x 165
– electronic ballast, asymmetric reflector				
051554	BANDOG-SQUARE-AS-118, 1x18W	TC-DEL	G24q-2	180 x 210 x 130 / 165 x 165
051555	BANDOG-SQUARE-AS-126, 1x26W		G24q-3	180 x 210 x 130 / 165 x 165
– electronic ballast, polycarbonate transparent cover				
051556	BANDOG-SQUARE-PC-118, 1x18W	TC-DEL	G24q-2	180 x 210 x 130 / 165 x 165
051557	BANDOG-SQUARE-PC-218, 2x18W			180 x 210 x 130 / 165 x 165
051558	BANDOG-SQUARE-PC-126, 1x26W		G24q-3	180 x 210 x 130 / 165 x 165
051559	BANDOG-SQUARE-PC-226, 2x26W			180 x 210 x 130 / 165 x 165
– electronic ballast, opal cover				
051560	BANDOG-SQUARE-OP-118, 1x18W	TC-DEL	G24q-2	180 x 210 x 130 / 165 x 165
051561	BANDOG-SQUARE-OP-218, 2x18W			180 x 210 x 130 / 165 x 165
051562	BANDOG-SQUARE-OP-126, 1x26W		G24q-3	180 x 210 x 130 / 165 x 165
051563	BANDOG-SQUARE-OP-226, 2x26W			180 x 210 x 130 / 165 x 165

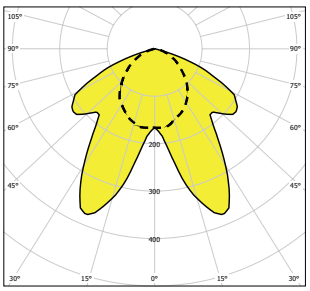
* dimension of mounting hole

BANDOG-SQUARE-OP, 1x26W,IP43/IP20
(opal cover)



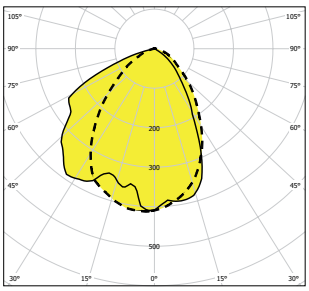
—— C0-C180 - - - - C90-C270

BANDOG-SQUARE, 1x18W, IP43/IP20
(without cover)

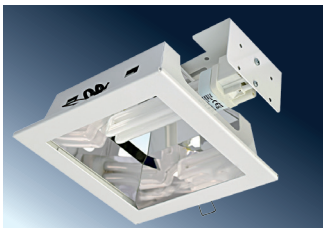


—— C0-C180 - - - - C90-C270

BANDOG-SQUARE, 1x26W, IP43/IP20
(asymmetric reflector)



—— C0-C180 - - - - C90-C270



LIGHTING FOR SPORT AREAS

FORK

IP 23

Application: FORK fluorescent light fixture is designed for lighting sports halls, gyms and areas with risk of direct physical damage.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL9003)

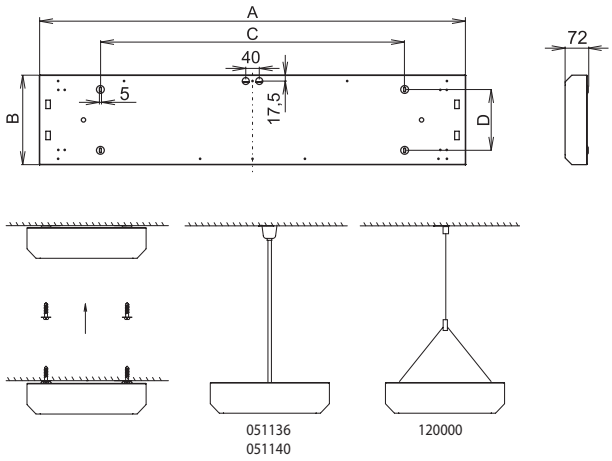
Louvre: WR – longitudal and transverse blades from white painted sheet. Transverse blades are reinforced to increase mechanical resistance of louvre .

Variants: WR1 – one protective wire 4 mm in diameter above each lamp
WR3 – three protective wires 4 mm in diameter above each lamp

Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

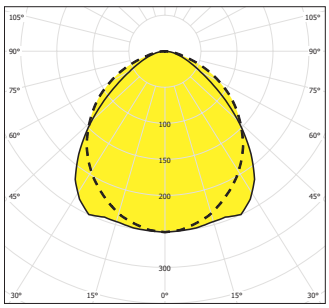
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



– inductive ballast			
059241	FORK-136-WR1-K, 1x36W	T26/G13	1262 x 175 x 900 x 90
059242	FORK-236-WR1-K, 2x36W		1262 x 265 x 900 x 180
059243	FORK-336-WR1-K, 3x36W		1262 x 335 x 900 x 270
059244	FORK-436-WR1-K, 4x36W		1262 x 445 x 900 x 180
059245	FORK-158-WR1-K, 1x58W		1562 x 175 x 1100 x 90
059246	FORK-258-WR1-K, 2x58W		1562 x 265 x 1100 x 180
059247	FORK-358-WR1-K, 3x58W		1562 x 355 x 1100 x 270
059248	FORK-458-WR1-K, 4x58W		1562 x 445 x 1100 x 180
– electronic ballast			
058241	FORK-136-WR1-EP, 1x36W	T26/G13	1262 x 175 x 900 x 90
058242	FORK-236-WR1-EP, 2x36W		1262 x 265 x 900 x 180
058243	FORK-336-WR1-EP, 3x36W		1262 x 335 x 900 x 270
058244	FORK-436-WR1-EP, 4x36W		1262 x 445 x 900 x 180
058245	FORK-158-WR1-EP, 1x58W		1562 x 175 x 1100 x 90
058246	FORK-258-WR1-EP, 2x58W		1562 x 265 x 1100 x 180
058247	FORK-358-WR1-EP, 3x58W		1562 x 355 x 1100 x 270
058248	FORK-458-WR1-EP, 4x58W		1562 x 445 x 1100 x 180

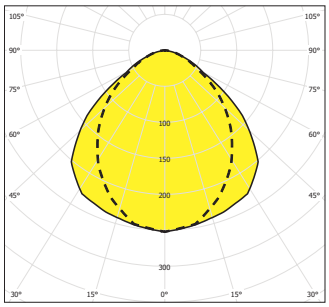
– electronic ballast			
056050	FORK-228-WR1-EP, 2x28W	T16/G5	1262 x 265 x 900 x 180
056051	FORK-328-WR1-EP, 3x28W		1262 x 335 x 900 x 270
056052	FORK-428-WR1-EP, 4x28W		1262 x 445 x 900 x 180
056053	FORK-254-WR1-EP, 2x54W		1262 x 265 x 900 x 180
056054	FORK-354-WR1-EP, 3x54W		1262 x 335 x 900 x 270
056055	FORK-454-WR1-EP, 4x54W		1262 x 445 x 900 x 180
056056	FORK-235-WR1-EP, 2x35W		1562 x 265 x 1100 x 180
056057	FORK-335-WR1-EP, 3x35W		1562 x 355 x 1100 x 270
056058	FORK-435-WR1-EP, 4x35W		1562 x 445 x 1100 x 180
056059	FORK-249-WR1-EP, 2x49W		1562 x 265 x 1100 x 180
056060	FORK-349-WR1-EP, 3x49W		1562 x 355 x 1100 x 270
056061	FORK-449-WR1-EP, 4x49W		1562 x 445 x 1100 x 180
056062	FORK-280-WR1-EP, 2x80W		1562 x 265 x 1100 x 180
056063	FORK-380-WR1-EP, 3x80W		1562 x 355 x 1100 x 270
056064	FORK-480-WR1-EP, 4x80W		1562 x 445 x 1100 x 180

FORK-WR, 2x36, IP23 – one wire



—— C0-C180 - - - - C90-C270

FORK-WR, 2x36, IP23 - three wires



—— C0-C180 - - - - C90-C270

One wire above each lamp

Three wires above each lamp

GORDON

IP 20

Application: GORDON fluorescent light fixture is designed for lighting sports halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL9003)

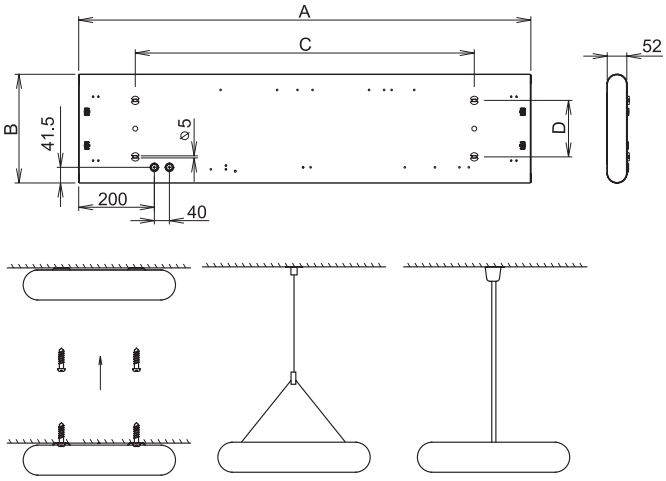
Louvre: WR – longitudal and transverse blades from white painted sheet. Transverse blades are reinforced to increase mechanical resistance of louvre .

Variants: WR1 – one protective wire 4 mm in diameter above each lamp
WR3 – three protective wires 4 mm in diameter above each lamp

Fastening system: Direct mounting on the ceiling lighted area or suspension via cable or tube hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

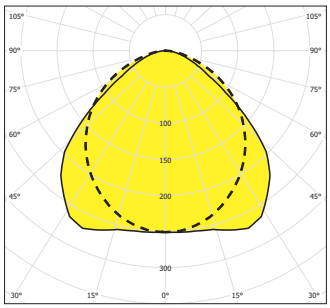
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



120000 051136

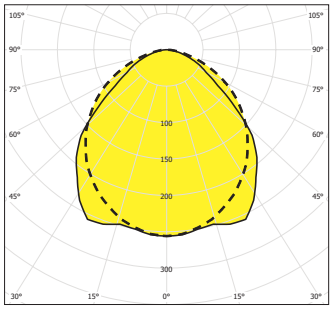
- electronic ballast, one wire above each lamp			
057040	GORDON-228-WR1-EP, 2x28W	T16/G5	1200 x 290 x 900 x 150
057041	GORDON-254-WR1-EP, 2x54W		1200 x 290 x 900 x 150
057042	GORDON-235-WR1-EP, 2x35W		1500 x 290 x 1200 x 150
057043	GORDON-249-WR1-EP, 2x49W		1500 x 290 x 1200 x 150
057044	GORDON-280-WR1-EP, 2x80W		1500 x 290 x 1200 x 150
- electronic ballast - three wires above each lamp			
057050	GORDON-228-WR3-EP, 2x28W	T16/G5	1200 x 290 x 900 x 150
057051	GORDON-254-WR3-EP, 2x54W		1200 x 290 x 900 x 150
057052	GORDON-235-WR3-EP, 2x35W		1500 x 290 x 1200 x 150
057053	GORDON-249-WR3-EP, 2x49W		1500 x 290 x 1200 x 150
057054	GORDON-280-WR3-EP, 2x80W		1500 x 290 x 1200 x 150
- special accessories			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)		

GORDON, 2x36, IP20 – one wire



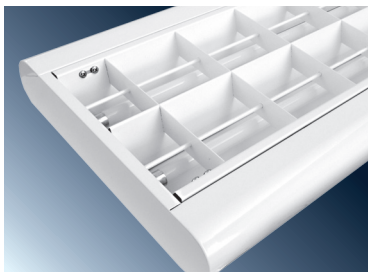
—— C0-C180 - - - - C90-C270

GORDON, 2x36, IP20 – three wires



—— C0-C180 - - - - C90-C270

GORDON-WR1



GORDON-WR3

FALCON-SPORT

IP 43

Application: FALCON-SPORT fluorescent light fixture is designed for lighting sports halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL9003)

Louvre: AR – longitudinal blades form high polished aluminium sheet, trasverse blades from profiled tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet

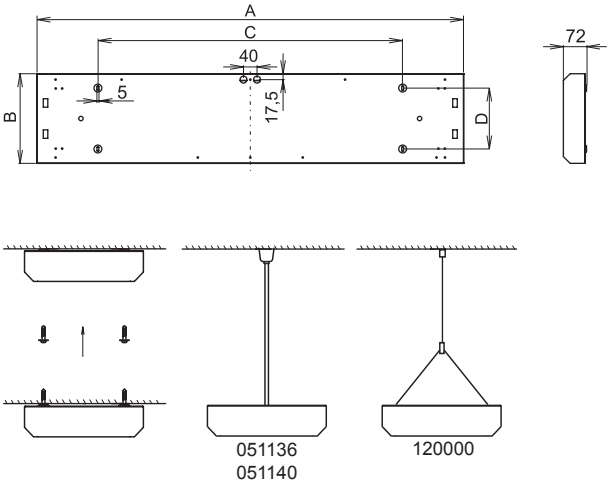
Cover: PC- polycarbonate cover

Fastening system: Direct mounting on the ceiling lighted area

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

FALCON-SPORT



– electronic ballast, parabolic louvre			
051380	FALCON-SPORT-136-BAP-EP, 1x36W	T26/G13	1262 x 175 x 900 x 90
051381	FALCON-SPORT-236-BAP-EP, 2x36W		1262 x 265 x 900 x 180
051382	FALCON-SPORT-158-BAP-EP, 1x58W		1562 x 175 x 1100 x 90
051383	FALCON-SPORT-258-BAP-EP, 2x58W		1562 x 265 x 1100 x 180

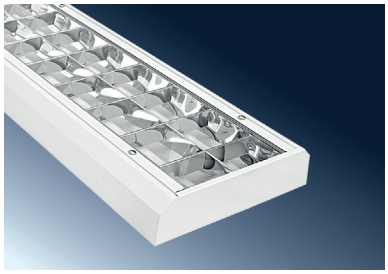
– electronic ballast, linear louvre			
051390	FALCON-SPORT-136-AR-EP, 1x36W	T16/G5	1262 x 175 x 900 x 90
051391	FALCON-SPORT-236-AR-EP, 2x36W		1262 x 265 x 900 x 180
051392	FALCON-SPORT-158-AR-EP, 1x58W		1562 x 175 x 1100 x 90
051393	FALCON-SPORT-258-AR-EP, 2x58W		1562 x 265 x 1100 x 180

– electronic ballast, parabolic louvre			
051384	FALCON-SPORT-154-BAP-EP, 1x54W	T26/G13	1262 x 175 x 900 x 90
051385	FALCON-SPORT-254-BAP-EP, 2x54W		1262 x 265 x 900 x 180
051386	FALCON-SPORT-180-BAP-EP, 1x80W		1562 x 175 x 1100 x 90
051387	FALCON-SPORT-280-BAP-EP, 2x80W		1562 x 265 x 1100 x 180

– electronic ballast, linear louvre			
051394	FALCON-SPORT-154-AR-EP, 1x54W	T16/G5	1262 x 175 x 900 x 90
051395	FALCON-SPORT-254-AR-EP, 2x54W		1262 x 265 x 900 x 180
051396	FALCON-SPORT-180-AR-EP, 1x80W		1562 x 175 x 1100 x 90
051397	FALCON-SPORT-280-AR-EP, 2x80W		1562 x 265 x 1100 x 18

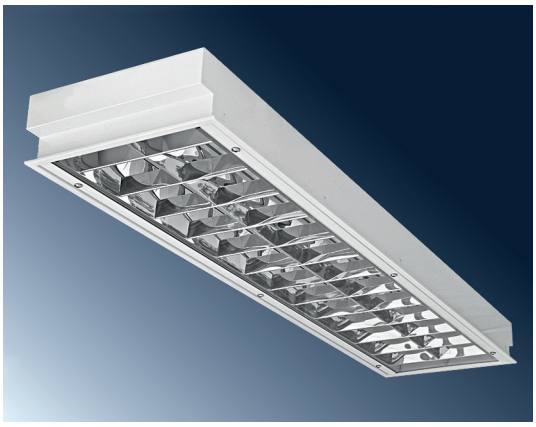
– special accessories

051136	Tube suspender FALCON 2x (2 pcs) l=600 mm
051140	Tube suspender FALCON 1x (2 pcs) 60 cm
120000	Cable suspender 2 m (1 pc) – Y
051155	Ceiling cap with transparent cable 3x1,5m² (2m)



BALOT-SPORT

IP 43



Application: BALOT-SPORT fluorescent light fitxure is designed for lighting sports halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240V/50-60Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL9003)

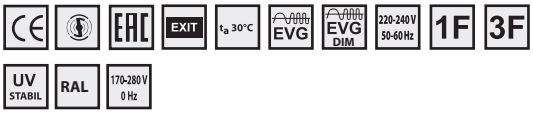
Louvre: AR – longitudinal blades form high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet

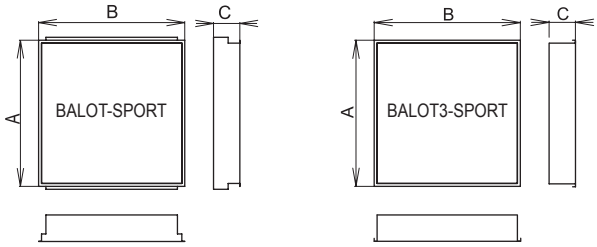
Cover : PC – polycarbonate

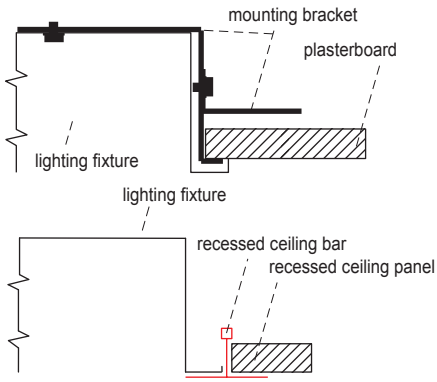
Fastening system: mounting into M600 or M625 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm.

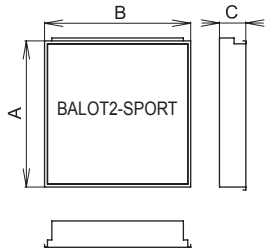
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

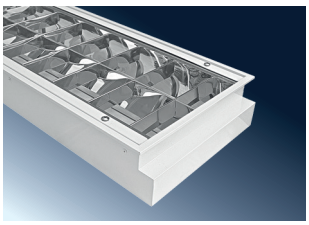
On request: Em – non-maintained emergency lighting (1h, 3h) /see page 176/
MULTI – maintained emergency lighting (1h, 3h) /see page 176/
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing



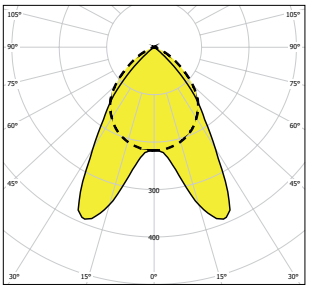






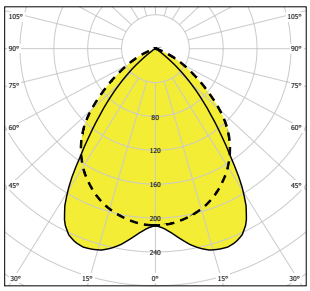


BALOT-SPORT, 2x54W, IP43



C0-C180 - - - - C90-C270

BALOT-SPORT, 2x36W, IP43



C0-C180 - - - - C90-C270

			AxBxC (mm)	A x B* (mm)
– electronic ballast, M 600 x 600, parabolic louvre				
051400	BALOT-SPORT-136-BAP-EP, 1x36W	T26/G13	195 x 1197 x 100	–
051401	BALOT-SPORT-236-BAP-EP, 2x36W		298 x 1197 x 100	–
051402	BALOT-SPORT-158-BAP-EP, 1x58W		195 x 1497 x 100	–
051403	BALOT-SPORT-258-BAP-EP, 2x58W		298 x 1497 x 100	–
051404	BALOT-SPORT-154-BAP-EP, 1x54W	T16/G5	195 x 1197 x 100	–
051405	BALOT-SPORT-254-BAP-EP, 2x54W		298 x 1197 x 100	–
051406	BALOT-SPORT-180-BAP-EP, 1x80W		195 x 1497 x 100	–
051407	BALOT-SPORT-280-BAP-EP, 2x80W		298 x 1497 x 100	–
– electronic ballast, M 600 x 600, linear louvre				
051410	BALOT-SPORT-136-AR-EP, 1x36W	T26/G13	195 x 1197 x 100	–
051411	BALOT-SPORT-236-AR-EP, 2x36W		298 x 1197 x 100	–
051412	BALOT-SPORT-158-AR-EP, 1x58W		195 x 1497 x 100	–
051413	BALOT-SPORT-258-AR-EP, 2x58W		298 x 1497 x 100	–
051414	BALOT-SPORT-154-AR-EP, 1x54W	T16/G5	195 x 1197 x 100	–
051415	BALOT-SPORT-254-AR-EP, 2x54W		298 x 1197 x 100	–
051416	BALOT-SPORT-180-AR-EP, 1x80W		195 x 1497 x 100	–
051417	BALOT-SPORT-280-AR-EP, 2x80W		298 x 1497 x 100	–
– electronic ballast, M 625 x 625, parabolic louvre				
051420	BALOT2-SPORT-136-BAP-EP, 1x36W	T26/G13	1247 x 197 x 100	–
051421	BALOT2-SPORT-236-BAP-EP, 2x36W		1247 x 312 x 100	–
051422	BALOT2-SPORT-158-BAP-EP, 1x58W		1547 x 197 x 100	–
051423	BALOT2-SPORT-258-BAP-EP, 2x58W		1547 x 312 x 100	–
051424	BALOT2-SPORT-154-BAP-EP, 1x54W	T16/G5	1247 x 197 x 100	–
051425	BALOT2-SPORT-254-BAP-EP, 2x54W		1247 x 312 x 100	–
051426	BALOT2-SPORT-180-BAP-EP, 1x80W		1547 x 197 x 100	–
051427	BALOT2-SPORT-280-BAP-EP, 2x80W		1547 x 312 x 100	–
– electronic ballast, M 625 x 625, linear louvre A38				
051430	BALOT2-SPORT-136-AR-EP, 1x36W	T26/G13	1247 x 197 x 100	–
051431	BALOT2-SPORT-236-AR-EP, 2x36W		1247 x 312 x 100	–
051432	BALOT2-SPORT-158-AR-EP, 1x58W		1547 x 197 x 100	–
051433	BALOT2-SPORT-258-AR-EP, 2x58W		1547 x 312 x 100	–
051434	BALOT2-SPORT-154-AR-EP, 1x54W	T16/G5	1247 x 197 x 100	–
051435	BALOT2-SPORT-254-AR-EP, 2x54W		1247 x 312 x 100	–
051436	BALOT2-SPORT-180-AR-EP, 1x80W		1547 x 197 x 100	–
051437	BALOT2-SPORT-280-AR-EP, 2x80W		1547 x 312 x 100	–
– electronic ballast, plasterboard, parabolic louvre				
051440	BALOT3-SPORT-136-BAP-EP, 1x36W	T26/G13	1269 x 196 x 100	1255 x 195
051441	BALOT3-SPORT-236-BAP-EP, 2x36W		1269 x 310 x 100	1255 x 295
051442	BALOT3-SPORT-158-BAP-EP, 1x58W		1569 x 196 x 100	1555 x 195
051443	BALOT3-SPORT-258-BAP-EP, 2x58W		1569 x 196 x 100	1555 x 195
051444	BALOT3-SPORT-154-BAP-EP, 1x54W	T16/G5	1269 x 196 x 100	1255 x 195
051445	BALOT3-SPORT-254-BAP-EP, 2x54W		1269 x 310 x 100	1255 x 295
051446	BALOT3-SPORT-180-BAP-EP, 1x80W		1569 x 196 x 100	1555 x 195
051447	BALOT3-SPORT-280-BAP-EP, 2x80W		1569 x 310 x 100	1555 x 295
– electronic ballast,plasterboard, linear louvre				
051450	BALOT3-SPORT-136-AR-EP, 1x36W	T26/G13	1269 x 196 x 100	1255 x 195
051451	BALOT3-SPORT-236-AR-EP, 2x36W		1269 x 310 x 100	1255 x 295
051452	BALOT3-SPORT-158-AR-EP, 1x58W		1569 x 196 x 100	1555 x 195
051453	BALOT3-SPORT-258-AR-EP, 2x58W		1569 x 196 x 100	1555 x 195
051454	BALOT3-SPORT-154-AR-EP, 1x54W	T16/G5	1269 x 196 x 100	1255 x 195
051455	BALOT3-SPORT-254-AR-EP, 2x54W		1269 x 310 x 100	1255 x 295
051456	BALOT3-SPORT-180-AR-EP, 1x80W		1569 x 196 x 100	1555 x 195
051457	BALOT3-SPORT-280-AR-EP, 2x80W		1569 x 310 x 100	1555 x 295
– special accessories				
51143	set of brackets HOOVER3/HOUND3 1x/2x			

* mounting hole

INDUSTRIAL LIGHTING FIXTURES

EXTRA

IP 66

Application: EXTRA dustproof light fixture with resistance against water jets is designed especially for lighting workshops, cellars, garages, warehouses, public and manufacturing spaces.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material PC (polycarbonate), grey RAL 7035, chemical resistance (see page 178)

Cover: Plastic material PC (polycarbonate), transparent, chemical resistance (see page 178)

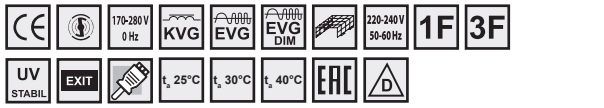
Reflector: White painted metal sheet RAL 9003

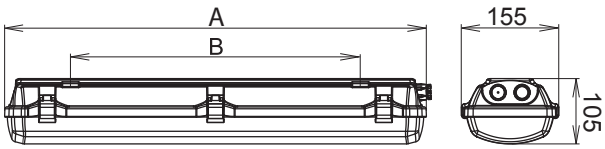
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers

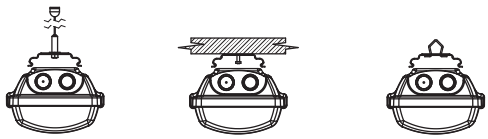
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm2; light fixture is ready to connect two wires

Standard equipment: 1 pc sealing cable gland, 2 pcs fastening brackets, double clamp for power cables

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
1F/3F – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors
PAR – parabolic reflector (wide radiant)

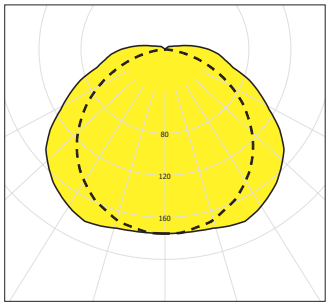






119999 001696

EXTRA-I, 2x36W, IP66



C0-C180 - - - - C90-C270

			AxB (mm)
–inductive ballast, without capacitor			
055002	EXTRA-PC-118, 1x18W	T26/G13	670 x 460
055005	EXTRA-PC-218, 2x18W		670 x 460
055008	EXTRA-PC-136, 1x36W		1280 x 880
055011	EXTRA-PC-236, 2x36W		1280 x 880
055014	EXTRA-PC-158, 1x58W		1580 x 1000
055017	EXTRA-PC-258, 2x58W		1580 x 1000
– inductive ballast, with capacitor			
055001	EXTRA-PC-118-K, 1x18W	T26/G13	670 x 460
055004	EXTRA-PC-218-K, 2x18W		670 x 460
055007	EXTRA-PC-136-K, 1x36W		1280 x 880
055010	EXTRA-PC-236-K, 2x36W		1280 x 880
055013	EXTRA-PC-158-K, 1x58W		1580 x 1000
055016	EXTRA-PC-258-K, 2x58W		1580 x 1000
– electronic ballast, T26			
055000	EXTRA-PC-118-EP, 1x18W	T26/G13	670 x 460
055003	EXTRA-PC-218-EP, 2x18W		670 x 460
055006	EXTRA-PC-136-EP, 1x36W		1280 x 880
055009	EXTRA-PC-236-EP, 2x36W		1280 x 880
055012	EXTRA-PC-158-EP, 1x58W		1580 x 1000
055015	EXTRA-PC-258-EP, 2x58W		1580 x 1000
– electronic ballast, T16			
055020	EXTRA-PC-114-EP, 1x14W	T16/G5	670 x 460
055021	EXTRA-PC-124-EP, 1x24W		670 x 460
055022	EXTRA-PC-214-EP, 2x14W		670 x 460
055023	EXTRA-PC-224-EP, 2x24W		670 x 460
055024	EXTRA-PC-128-EP, 1x28W		1280 x 880
055025	EXTRA-PC-154-EP, 1x54W		1280 x 880
055026	EXTRA-PC-228-EP, 2x28W		1280 x 880
055027	EXTRA-PC-254-EP, 2x54W		1280 x 880
055028	EXTRA-PC-135-EP, 1x35W		1580 x 1000
055029	EXTRA-PC-149-EP, 1x49W		1580 x 1000
055030	EXTRA-PC-180-EP, 1x80W		1580 x 1000
055031	EXTRA-PC-235-EP, 2x35W		1580 x 1000
055032	EXTRA-PC-249-EP, 2x49W		1580 x 1000
055033	EXTRA-PC-280-EP, 2x80W		1580 x 1000
– special accessories			
119999	Self-locking cable suspender 3 m (1 pc)		
001696	Steel wire hanger		
008029	Cable gland PG 13,5 with nut , RAL 7004		
051180	1F through-wiring connection EXTRA 18W		
051181	1F through-wiring connection EXTRA 36W		
051182	1F through-wiring connection EXTRA 58W		
051183	3F through-wiring connection EXTRA 18W		
051184	3F through-wiring connection EXTRA 36W		
051185	3F through-wiring connection EXTRA 58W		
093216	AL - additional parabolic reflector EXTRA, 2x18W (wide radiant)		
093217	AL - additional parabolic reflector EXTRA, 2x36W (wide radiant)		
093218	AL - additional parabolic reflector EXTRA, 2x58W (wide radiant)		
093228	AL - additional parabolic reflector EXTRA, 2x14/24W (wide radiant)		
093229	AL - additional parabolic reflector EXTRA, 2x28/54W (wide radiant)		
093230	AL - additional parabolic reflector EXTRA, 2x35/49/80W (wide radiant)		

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EXTRA – II

IP 66

Application: EXTRA-II dustproof light fixture manufactured in insulation class II with resistance against water jets is designed especially for lighting workshops, cellars, garages, warehouses, public and manufacturing spaces.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material PC (polycarbonate), grey RAL 7035, chemical resistance (see page 178)

Cover: Plastic material PC (polycarbonate), transparent, chemical resistance (see page 178)

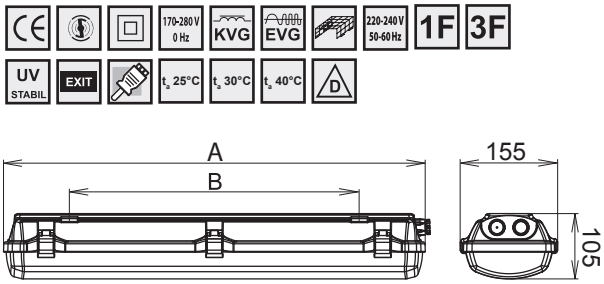
Reflector: White painted metal sheet RAL 9003

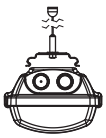
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

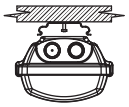
Standard equipment: 1 pc sealing cable gland, 2 pcs fastening brackets, double clamp for power cables

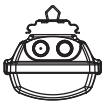
On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors
PAR – parabolic reflector (wide radiant)





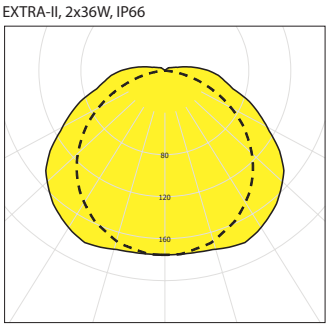
119999





001696

EXTRA-II, 2x36W, IP66



C0-C180 - - - - C90-C270

– inductive ballast, without capacitor			
055102	EXTRA-II-PC-118, 1x18W	T26/G13	670 x 460
055105	EXTRA-II-PC-218, 2x18W		670 x 460
055108	EXTRA-II-PC-136, 1x36W		1280 x 880
055111	EXTRA-II-PC-236, 2x36W		1280 x 880
055114	EXTRA-II-PC-158, 1x58W		1580 x 1000
055117	EXTRA-II-PC-258, 2x58W		1580 x 1000
– inductive ballast, with capacitor			
055101	EXTRA-II-PC-118-K, 1x18W	T26/G13	670 x 460
055104	EXTRA-II-PC-218-K, 2x18W		670 x 460
055107	EXTRA-II-PC-136-K, 1x36W		1280 x 880
055110	EXTRA-II-PC-236-K, 2x36W		1280 x 880
055113	EXTRA-II-PC-158-K, 1x58W		1580 x 1000
055116	EXTRA-II-PC-258-K, 2x58W		1580 x 1000
– electronic ballast, T26			
055100	EXTRA-II-PC-118-EP, 1x18W	T26/G13	670 x 460
055103	EXTRA-II-PC-218-EP, 2x18W		670 x 460
055106	EXTRA-II-PC-136-EP, 1x36W		1280 x 880
055109	EXTRA-II-PC-236-EP, 2x36W		1280 x 880
055112	EXTRA-II-PC-158-EP, 1x58W		1580 x 1000
055115	EXTRA-II-PC-258-EP, 2x58W		1580 x 1000
–electronic ballast, T16			
055120	EXTRA-II-PC-114-EP, 1x14W	T16/G5	670 x 460
055121	EXTRA-II-PC-124-EP, 1x24W		670 x 460
055122	EXTRA-II-PC-214-EP, 2x14W		670 x 460
055123	EXTRA-II-PC-224-EP, 2x24W		670 x 460
055124	EXTRA-II-PC-128-EP, 1x28W		1280 x 880
055125	EXTRA-II-PC-154-EP, 1x54W		1280 x 880
055126	EXTRA-II-PC-228-EP, 2x28W		1280 x 880
055127	EXTRA-II-PC-254-EP, 2x54W		1280 x 880
055128	EXTRA-II-PC-135-EP, 1x35W		1580 x 1000
055129	EXTRA-II-PC-149-EP, 1x49W		1580 x 1000
055130	EXTRA-II-PC-180-EP, 1x80W		1580 x 1000
055131	EXTRA-II-PC-235-EP, 2x35W		1580 x 1000
055132	EXTRA-II-PC-249-EP, 2x49W		1580 x 1000
055133	EXTRA-II-PC-280-EP, 2x80W		1580 x 1000
– special accessories			
119999	Self-locking cable suspender 3 m (1 pc)		
001696	Steel wire hanger		
008029	Cable gland PG 13,5 with nut , RAL 7004		
051186	1F through-wiring connection EXTRA 18W		
051187	1F through-wiring connection EXTRA 36W		
051188	1F through-wiring connection EXTRA 58W		
051189	3F through-wiring connection EXTRA 18W		
051190	3F through-wiring connection EXTRA 36W		
051191	3F through-wiring connection EXTRA 58W		
093219	AL - additional parabolic reflector EXTRA, 2x18W (wide radiant)		
093220	AL - additional parabolic reflector EXTRA, 2x36W (wide radiant)		
093221	AL - additional parabolic reflector EXTRA, 2x58W (wide radiant)		
093231	AL - additional parabolic reflector EXTRA, 2x14/24W (wide radiant)		
093232	AL - additional parabolic reflector EXTRA, 2x28/54W (wide radiant)		
093233	AL - additional parabolic reflector EXTRA, 2x35/49/80W (wide radiant)		

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DUNKER65

IP 65

Application: DUNKER65 dustproof light fixtures are designed especially for ares with requirements for higher level of protection degree (IP), i.e. stock and production halls. The cover is fastened to the body using clips and hinges. This solution enables the replacement of light sources without using tools.Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with medium luminous emittance characteristic (medium radiant)

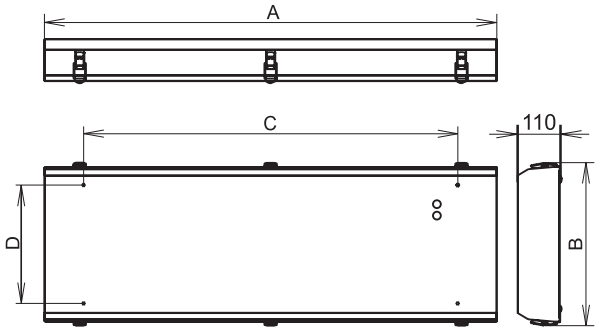
Cover: Hardened safety thermally toughtened HST glass

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing
WR – white painted reflector



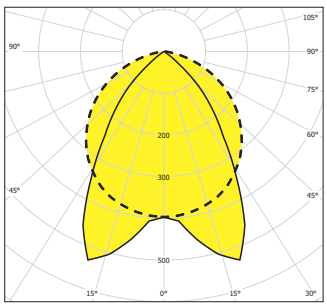
			A×B×C×D (mm)
– electronic ballast			
056520	DUNKER65-228-EP, 2x28W		1185 x 265 x 980 x 145
056521	DUNKER65-254-EP, 2x54W		1185 x 265 x 980 x 145
056522	DUNKER65-235-EP, 2x35W		1485 x 265 x 1280 x 145
056523	DUNKER65-249-EP, 2x49W		1485 x 265 x 1280 x 145
056524	DUNKER65-280-EP, 2x80W		1485 x 265 x 1280 x 145
056525	DUNKER65-428-EP, 4x28W		1185 x 460 x 980 x 340
056526	DUNKER65-454-EP, 4x54W		1185 x 460 x 980 x 340
056527	DUNKER65-435-EP, 4x35W	T16/G5	1485 x 460 x 1280 x 340
056528	DUNKER65-449-EP, 4x49W		1485 x 460 x 1280 x 340
05652	DUNKER65-480-EP, 4x80W		1485 x 460 x 1280 x 340
056520	DUNKER65-628-EP, 6x28W		1185 x 655 x 980 x 535
056521	DUNKER65-654-EP, 6x54W		1185 x 655 x 980 x 535
056522	DUNKER65-635-EP, 6x35W		1485 x 655 x 1280 x 535
056523	DUNKER65-649-EP, 6x49W		1485 x 655 x 1280 x 535
056524	DUNKER65-680-EP, 6x80W		1485 x 655 x 1280 x 535

LUMILUX T5 HO CONSTANT- recommended linear lamps

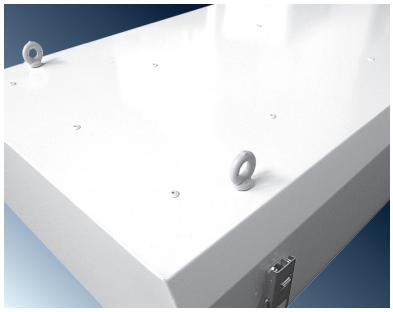
– special accessories

004749	Snap-hook 6030 (zinc)

DUNKER65-4x54W, IP65



—— C0-C180 - - - - C90-C270



DUNKER65 – H

IP 65

Application: DUNKER65-H dustproof light fixtures are designed especially for ares with requirements for higher level of protection degree (IP), i.e. stock and production halls. The cover is fastened to the body using clips and hinges. This solution enables the replacement of light sources without using tools.Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with narrow luminous emittance characteristic (deep radiant)

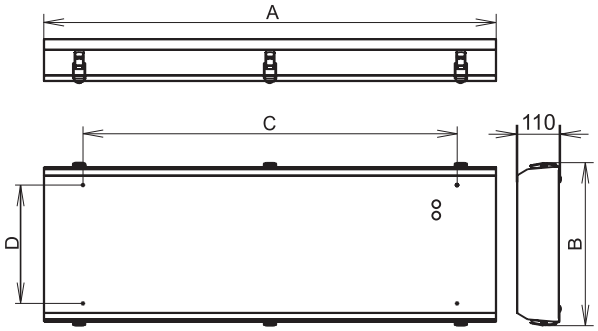
Cover: Hardened safety thermally toughtened HST glass

Fastening: Suspension with brackets.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing
WR – white painted reflector



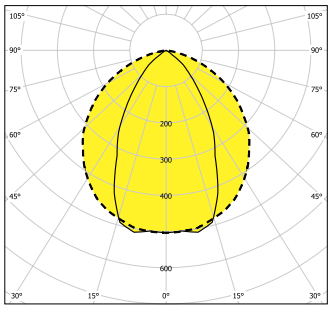
			A×B×C×D (mm)
– electronic ballast			
056500	DUNKER65-H-228-EP, 2x28W		1185 x 250 x 980 x 130
056501	DUNKER65-H-254-EP, 2x54W		1185 x 250 x 980 x 130
056502	DUNKER65-H-235-EP, 2x35W		1485 x 250 x 1280 x 130
056503	DUNKER65-H-249-EP, 2x49W		1485 x 250 x 1280 x 130
056504	DUNKER65-H-280-EP, 2x80W		1485 x 250 x 1280 x 130
056505	DUNKER65-H-428-EP, 4x28W		1185 x 430 x 980 x 310
056506	DUNKER65-H-454-EP, 4x54W		1185 x 430 x 980 x 310
056507	DUNKER65-H-435-EP, 4x35W		1485 x 430 x 1280 x 310
056508	DUNKER65-H-449-EP, 4x49W		1485 x 430 x 1280 x 310
05650	DUNKER65-H-480-EP, 4x80W	T16/G5	1485 x 430 x 1280 x 310
056500	DUNKER65-H-628-EP, 6x28W		1185 x 610 x 980 x 490
056501	DUNKER65-H-654-EP, 6x54W		1185 x 610 x 980 x 490
056502	DUNKER65-H-635-EP, 6x35W		1485 x 610 x 1280 x 490
056503	DUNKER65-H-649-EP, 6x49W		1485 x 610 x 1280 x 490
056504	DUNKER65-H-680-EP, 6x80W		1485 x 610 x 1280 x 490

LUMILUX T5 HO CONSTANT- recommended linear lamps

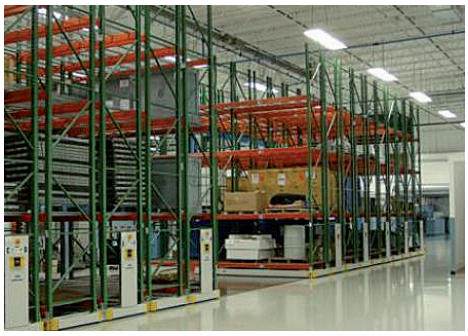
– special accessories

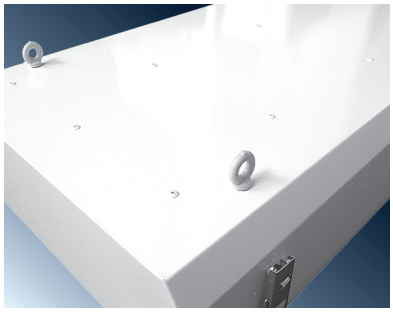
004749	Snap-hook 6030 (zinc)

DUNKER65-H 4x54W, IP65



—— C0-C180 - - - - C90-C270





DUNKER65 – S

IP 65

Application: DUNKER65-S dustproof light fixtures are designed especially for ares with requirements for higher level of protection degree (IP), i.e. stock and production halls. The cover is fastened to the body using clips and hinges. This solution enables the replacement of light sources without using tools.Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with wide luminous emittance characteristic (wide distribution)

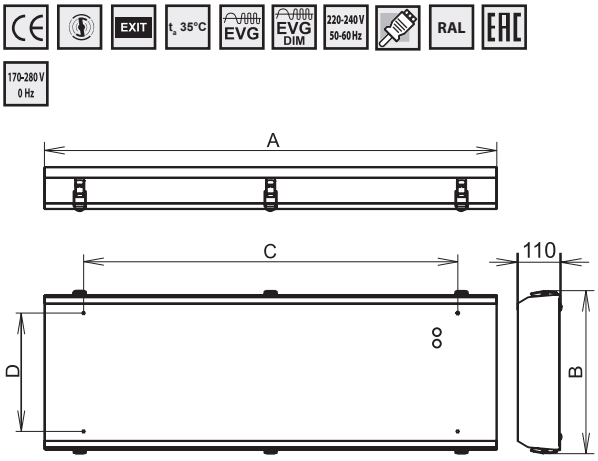
Cover: Hardened safety thermally toughtened HST glass

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing
WR – white painted reflector



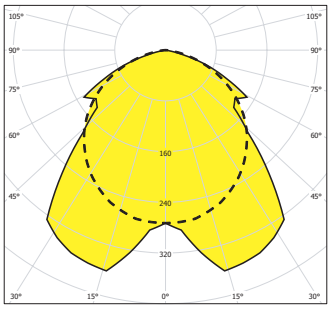
			A×B×C×D (mm)
– electronic ballast			
056540	DUNKER65-S-228-EP, 2x28W		1200 x 330 x 995 x 210
056541	DUNKER65-S-254-EP, 2x54W		1200 x 330 x 995 x 210
056542	DUNKER65-S-235-EP, 2x35W		1500 x 330 x 1295 x 210
056543	DUNKER65-S-249-EP, 2x49W		1500 x 330 x 1295 x 210
056544	DUNKER65-S-280-EP, 2x80W		1500 x 330 x 1295 x 210
056545	DUNKER65-S-428-EP, 4x28W		1225 x 590 x 1295 x 470
056546	DUNKER65-S-454-EP, 4x54W		1225 x 590 x 1295 x 470
056547	DUNKER65-S-435-EP, 4x35W	T16/G5	1525 x 590 x 1295 x 470
056548	DUNKER65-S-449-EP, 4x49W		1525 x 590 x 1295 x 470
056549	DUNKER65-S-480-EP, 4x80W		1525 x 590 x 1295 x 470
056550	DUNKER65-S-628-EP, 6x28W		1225 x 850 x 995 x 730
056551	DUNKER65-S-654-EP, 6x54W		1225 x 850 x 995 x 730
056552	DUNKER65-S-635-EP, 6x35W		1525 x 850 x 1295 x 730
056553	DUNKER65-S-649-EP, 6x49W		1525 x 850 x 1295 x 730
056554	DUNKER65-S-680-EP, 6x80W		1525 x 850 x 1295 x 730

LUMILUX T5 HO CONSTANT- recommended linear lamps

– special accessories

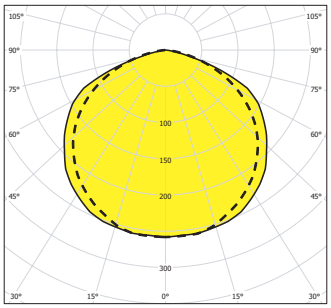
004749	Snap-hook 6030 (zinc)

DUNKER65-S 4x80W, IP65

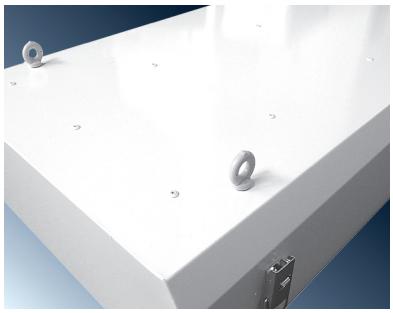


—— C0-C180 - - - - C90-C270

DUNKER65-S-WR 4x80W, IP65



—— C0-C180 - - - - C90-C270



DUNKER65-AS

IP 65

Application: DUNKER65-AS dustproof light fixtures are designed especially for ares with requirements for higher level of protection degree (IP), i.e. stock and production halls. The cover is fastened to the body using clips and hinges. This solution enables the replacement of light sources without using tools.Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with asymmetrical luminous emittance characteristic

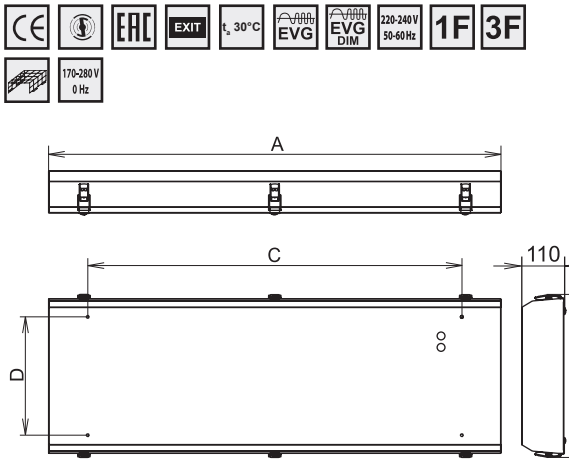
Cover: Hardened safety thermally toughtened HST glass

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing
Protective cage



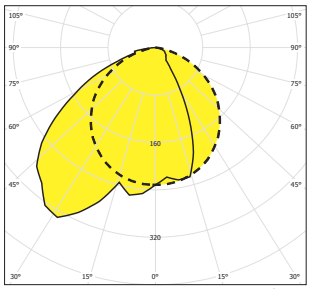
			AxBxCxD (mm)
– electronic ballast			
056704	DUNKER65-AS-228-EP, 2x28W	T16/G5	1185 x 295 x 980 x 145
056705	DUNKER65-AS-254-EP, 2x54W		1185 x 295 x 980 x 145
056706	DUNKER65-AS-235-EP, 2x35W		1485 x 295 x 1280 x 145
056707	DUNKER65-AS-249-EP, 2x49W		1485 x 295 x 1280 x 145
056708	DUNKER65-AS-280-EP, 2x80W		1485 x 295 x 1280 x 145
056709	DUNKER65-AS-428-EP, 4x28W		1185 x 510 x 980 x 270
056710	DUNKER65-AS-454-EP, 4x54W		1185 x 510 x 980 x 270
056711	DUNKER65-AS-435-EP, 4x35W		1485 x 510 x 1280 x 270
056712	DUNKER65-AS-449-EP, 4x49W		1485 x 510 x 1280 x 270
056713	DUNKER65-AS-480-EP, 4x80W		1485 x 510 x 1280 x 270
056701	DUNKER65-AS-236-EP, 2x36W	T26/G13	1240 x 255 x 1135 x 130
056700	DUNKER65-AS-258-EP, 2x58W		1540 x 255 x 1335 x 130
056702	DUNKER65-AS-436-EP, 4x36W		1540 x 435 x 1135 x 270
056703	DUNKER65-AS-458-EP, 4x58W		1540 x 435 x 1335 x 270

LUMILUX T5 HO CONSTANT- recommended linear lamps

– special accessories

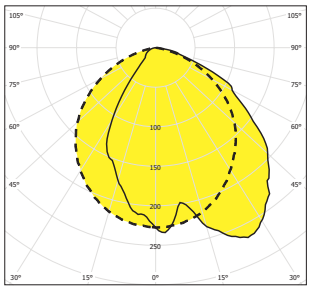
004749	Snap-hook 6030 (zinc)
001552	Protective cage DUNKER AS 2x28/54
001553	Protective cage DUNKER AS 2x35/49/80
001554	Protective cage DUNKER AS 2x58
001555	Protective cage DUNKER AS 2x36
001556	Protective cage DUNKER AS 4x28/54
001557	Protective cage DUNKER AS 4x35/49/80
001558	Protective cage DUNKER AS 4x58
001559	Protective cage DUNKER AS 4x36

DUNKER65-AS, 2x58W, IP65



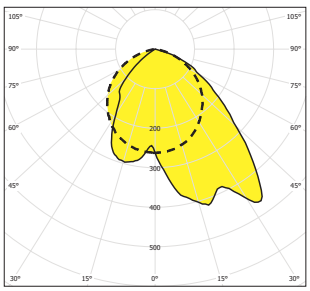
—— C0-C180 - - - - C90-C270

DUNKER65-AS, 4x58W, IP65

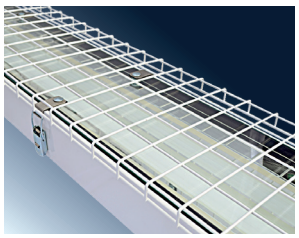


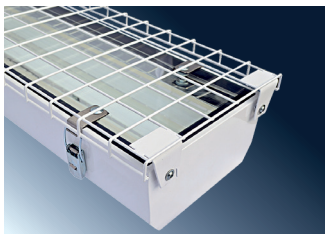
—— C0-C180 - - - - C90-C270

DUNKER65-AS, 4x80W, IP65



—— C0-C180 - - - - C90-C270





DUNKER 20

IP 20

Application: Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for mounting in high areas.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL 9003)

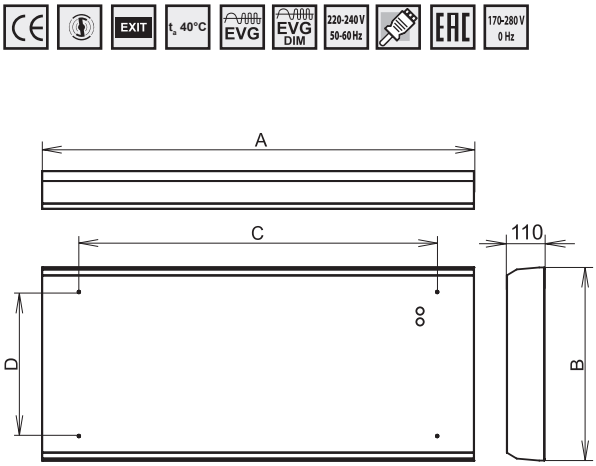
Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with medium luminous emittance characteristic (medium radiant)

Fastening: Suspension with brackets.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing



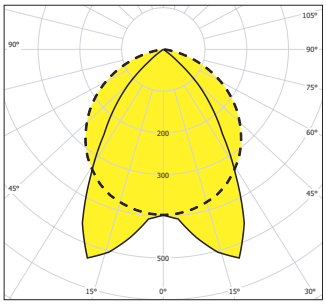
			AxBxCxD (mm)
– electronic ballast			
056620	DUNKER20-228-EP, 2x28W		1185 x 215 x 980 x 115
056621	DUNKER20-254-EP, 2x54W		1185 x 215 x 980 x 115
056622	DUNKER20-235-EP, 2x35W		1485 x 215 x 1175 x 115
056623	DUNKER20-249-EP, 2x49W		1485 x 215 x 1175 x 115
056624	DUNKER20-280-EP, 2x80W		1485 x 215 x 1175 x 115
056625	DUNKER20-428-EP, 4x28W		1185 x 410 x 980 x 310
056626	DUNKER20-454-EP, 4x54W		1185 x 410 x 980 x 310
056627	DUNKER20-435-EP, 4x35W	T16/G5	1485 x 410 x 1175 x 310
056628	DUNKER20-449-EP, 4x49W		1485 x 410 x 1175 x 310
056629	DUNKER20-480-EP, 4x80W		1485 x 410 x 1175 x 310
056630	DUNKER20-628-EP, 6x28W		1185 x 605 x 980 x 505
056631	DUNKER20-654-EP, 6x54W		1185 x 605 x 980 x 505
056632	DUNKER20-635-EP, 6x35W		1485 x 605 x 1175 x 505
056633	DUNKER20-649-EP, 6x49W		1485 x 605 x 1175 x 505
056634	DUNKER20-680-EP, 6x80W		1485 x 605 x 1175 x 505

LUMILUX T5 HO CONSTANT- recommended linear lamps

– special accessories

004749	Snap-hook 6030 (zinc

DUNKER20-4x54W, IP20



—— C0-C180 - - - - C90-C270

DUNKER 20 – H

IP 20

Application: Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for mounting in high areas.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL 9003)

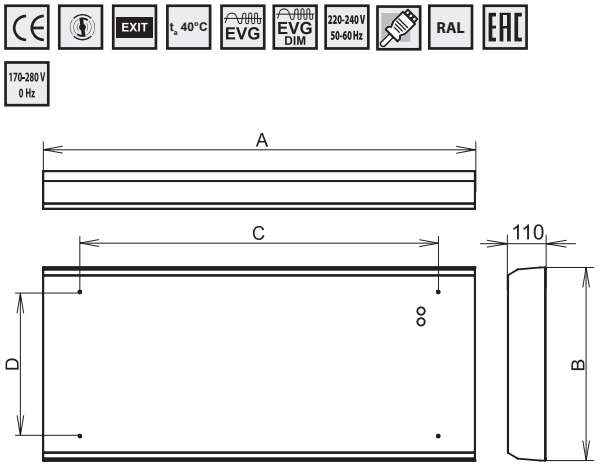
Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with narrow luminous emittance characteristic (deep radiant)

Fastening: Suspension with brackets.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm^2; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing



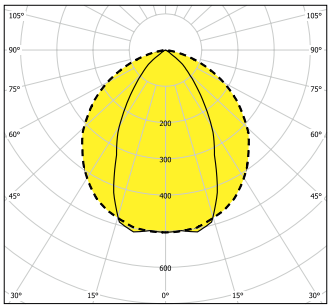
			A×B×C×D (mm)
– electronic ballast			
056600	DUNKER20-H-228-EP, 2x28W		1185 x 195 x 980 x 100
056601	DUNKER20-H-254-EP, 2x54W		1185 x 195 x 980 x 100
056602	DUNKER20-H-235-EP, 2x35W		1485 x 195 x 1175 x 100
056603	DUNKER20-H-249-EP, 2x49W		1485 x 195 x 1175 x 100
056604	DUNKER20-H-280-EP, 2x80W		1485 x 195 x 1175 x 100
056605	DUNKER20-H-428-EP, 4x28W		1185 x 375 x 980 x 280
056606	DUNKER20-H-454-EP, 4x54W		1185 x 375 x 980 x 280
056607	DUNKER20-H-435-EP, 4x35W	T16/G5	1485 x 375 x 1175 x 280
056608	DUNKER20-H-449-EP, 4x49W		1485 x 375 x 1175 x 280
056609	DUNKER20-H-480-EP, 4x80W		1485 x 375 x 1175 x 280
056610	DUNKER20-H-628-EP, 6x28W		1185 x 555 x 980 x 460
056611	DUNKER20-H-654-EP, 6x54W		1185 x 555 x 980 x 460
056612	DUNKER20-H-635-EP, 6x35W		1485 x 555 x 1175 x 460
056613	DUNKER20-H-649-EP, 6x49W		1485 x 555 x 1175 x 460
056614	DUNKER20-H-680-EP, 6x80W		1485 x 555 x 1175 x 460

LUMILUX T5 HO CONSTANT- recommended linear lamps

– special accessories

004749	Snap-hook 6030 (zinc

DUNKER20-H 4x54W, IP20



—— C0-C180 - - - - C90-C270

DUNKER 20 – S

IP 20

Application: Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for mounting in high areas.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet (RAL 9003)

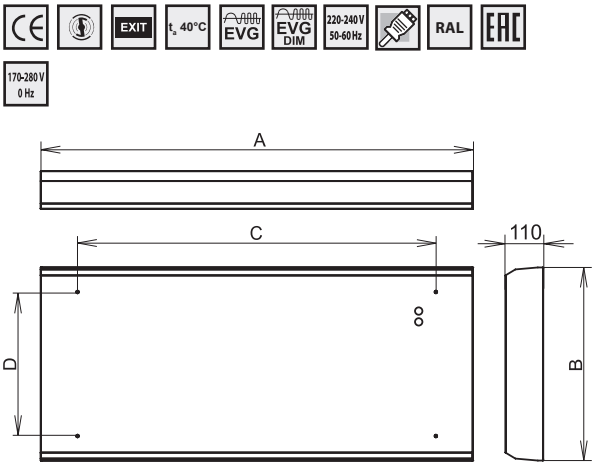
Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with wide luminous emittance characteristic (wide radiant)

Fastening: Suspension with brackets.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 2 pcs suspension brackets M5

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing



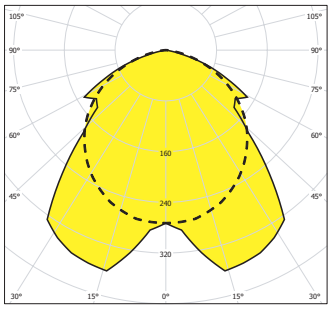
			A×B×C×D (mm)
– electronic ballast			
056640	DUNKER20-S-228-EP, 2x28W		1185 x 275 x 995 x 140
056641	DUNKER20-S-254-EP, 2x54W		1185 x 275 x 995 x 140
056642	DUNKER20-S-235-EP, 2x35W		1485 x 275 x 1295 x 140
056643	DUNKER20-S-249-EP, 2x49W		1485 x 275 x 1295 x 140
056644	DUNKER20-S-280-EP, 2x80W		1485 x 275 x 1295 x 140
056645	DUNKER20-S-428-EP, 4x28W		1185 x 535 x 995 x 400
056646	DUNKER20-S-454-EP, 4x54W		1185 x 535 x 995 x 400
056647	DUNKER20-S-435-EP, 4x35W	T16/G5	1485 x 535 x 1295 x 400
056648	DUNKER20-S-449-EP, 4x49W		1485 x 535 x 1295 x 400
056649	DUNKER20-S-480-EP, 4x80W		1485 x 535 x 1295 x 400
056650	DUNKER20-S-628-EP, 6x28W		1185 x 795 x 995 x 660
056651	DUNKER20-S-654-EP, 6x54W		1185 x 795 x 995 x 660
056652	DUNKER20-S-635-EP, 6x35W		1485 x 795 x 1295 x 660
056653	DUNKER20-S-649-EP, 6x49W		1485 x 795 x 1295 x 660
056654	DUNKER20-S-680-EP, 6x80W		1485 x 795 x 1295 x 660

LUMILUX T5 HO CONSTANT- recommended linear lamps

– special accessories

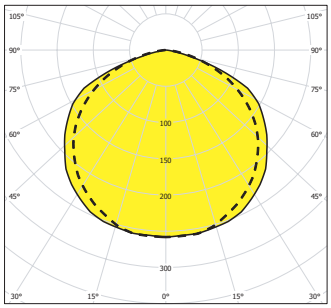
004749	Snap-hook 6030 (zinc

DUNKER20-S 4x80W, IP20



—— C0-C180 - - - - C90-C270

DUNKER20-S-WR 4x80W, IP20



—— C0-C180 - - - - C90-C270

DUNKER20-AS

IP 20

Application: Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for mounting in high areas.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

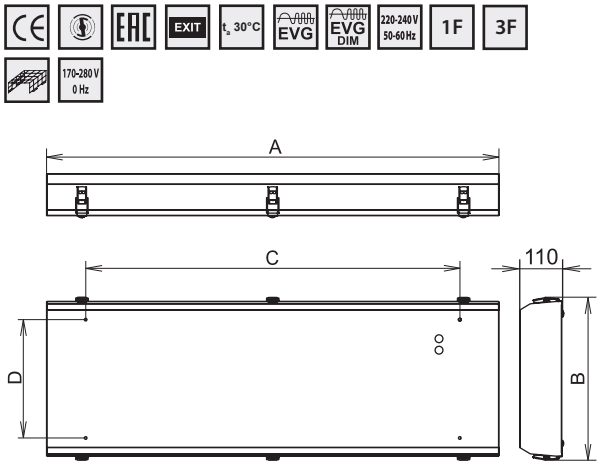
Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with asymmetrical luminous emittance characteristic

Fastening: Suspension with brackets.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing



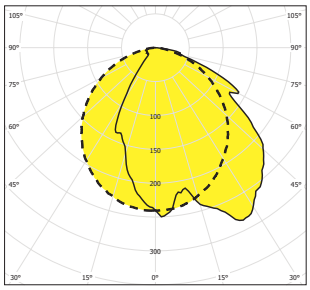
– electronic ballast			
056724	DUNKER20-AS-228-EP, 2x28W	T16/G5	1185 x 295 x 980 x 145
056725	DUNKER20-AS-254-EP, 2x54W		1185 x 295 x 980 x 145
056726	DUNKER20-AS-235-EP, 2x35W		1485 x 295 x 1280 x 145
056727	DUNKER20-AS-249-EP, 2x49W		1485 x 295 x 1280 x 145
056728	DUNKER20-AS-280-EP, 2x80W		1485 x 295 x 1280 x 145
056729	DUNKER20-AS-428-EP, 4x28W		1185 x 510 x 980 x 270
056730	DUNKER20-AS-454-EP, 4x54W		1185 x 510 x 980 x 270
056731	DUNKER20-AS-435-EP, 4x35W		1485 x 510 x 1280 x 270
056732	DUNKER20-AS-449-EP, 4x49W		1485 x 510 x 1280 x 270
056733	DUNKER20-AS-480-EP, 4x80W		1485 x 510 x 1280 x 270
056720	DUNKER20-AS-236-EP, 2x36W	T26/G13	1240 x 255 x 1135 x 130
056721	DUNKER20-AS-258-EP, 2x58W		1540 x 255 x 1335 x 130
056722	DUNKER20-AS-436-EP, 4x36W		1240 x 435 x 1135 x 270
056723	DUNKER20-AS-458-EP, 4x58W		1540 x 435 x 1335 x 270
056764	DUNKER20-AS-MR-228-EP, 2x28W	T16/G5	1185 x 295 x 980 x 145
056765	DUNKER20-AS-MR-254-EP, 2x54W		1185 x 295 x 980 x 145
056766	DUNKER20-AS-MR-235-EP, 2x35W		1485 x 295 x 1280 x 145
056767	DUNKER20-AS-MR-249-EP, 2x49W		1485 x 295 x 1280 x 145
056768	DUNKER20-AS-MR-280-EP, 2x80W		1485 x 295 x 1280 x 145
056769	DUNKER20-AS-MR-428-EP, 4x28W		1185 x 510 x 980 x 270
056770	DUNKER20-AS-MR-454-EP, 4x54W		1185 x 510 x 980 x 270
056771	DUNKER20-AS-MR-435-EP, 4x35W		1485 x 510 x 1280 x 270
056772	DUNKER20-AS-MR-449-EP, 4x49W		1485 x 510 x 1280 x 270
056773	DUNKER20-AS-MR-480-EP, 4x80W		1485 x 510 x 1280 x 270
056760	DUNKER20-AS-MR-236-EP, 2x36W	T26/G13	1240 x 255 x 1135 x 130
056761	DUNKER20-AS-MR-258-EP, 2x58W		1540 x 255 x 1135 x 130
056762	DUNKER20-AS-MR-436-EP, 4x36W		1240 x 435 x 1135 x 270
056763	DUNKER20-AS-MR-458-EP, 4x58W		1240 x 435 x 1135 x 270

LUMILUX T5 HO CONSTANT - recommended linear lamps

– special accessories

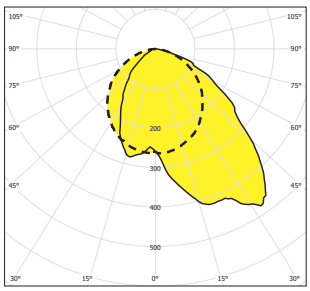
004749	Snap-hook 6030 (zinc)

DUNKER20-AS, 4x58W, IP20



—— C0-C180 - - - - C90-C270

DUNKER20-AS, 4x80W, IP65



—— C0-C180 - - - - C90-C270

HOUND4 – PAR

IP 65

Application: HOUND4-PAR dustproof light fixtures are designed especially for ares with requirements for higher level of protection degree (IP), i.e. stock and production halls. Due to the high efficiency of the luminaire is suitable for installation in higher spaces.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER

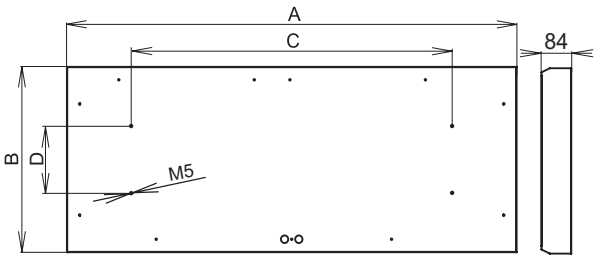
Cover: Tempered safety glass

Fastening: Suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

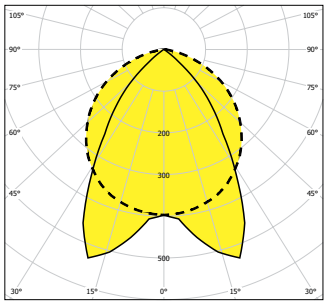
Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
RAL – another colour finnishing
WR – white painted reflector



– electronic ballast			
058392	HOUND4-428-PAR-EP, 4x28W		1261 x 500 x 900 x 196
058393	HOUND4-454-PAR-EP, 4x54W		1261 x 500 x 900 x 196
058394	HOUND4-435-PAR-EP, 4x35W		1561 x 500 x 1100 x 196
058395	HOUND4-449-PAR-EP, 4x49W		1561 x 500 x 1100 x 196
058396	HOUND4-480-PAR-EP, 4x80W		1561 x 500 x 1100 x 196
058440	HOUND4-628-PAR-EP, 6x28W		1261 x 696 x 900 x 392
058441	HOUND4-654-PAR-EP, 6x54W		1261 x 696 x 900 x 392
058442	HOUND4-635-PAR-EP, 6x35W	T16/G5	1561 x 696 x 1100 x 392
058443	HOUND4-649-PAR-EP, 6x49W		1561 x 696 x 1100 x 392
058444	HOUND4-680-PAR-EP, 6x80W		1561 x 696 x 1100 x 392
058444	HOUND4-228-PAR-EP, 2x28W		1261 x 306 x 900 x 196
058444	HOUND4-254-PAR-EP, 2x54W		1261 x 306 x 900 x 196
058444	HOUND4-235-PAR-EP, 2x35W		1561 x 306 x 1100 x 196
058444	HOUND4-249-PAR-EP, 2x49W		1561 x 306 x 1100 x 196
058404	HOUND4-280-PAR-EP, 2x80W		1561 x 306 x 1100 x 196
– special accessories			
004749	Snap hook 6030 (zinc)		

HOUND4-PAR, 4x54W, IP65



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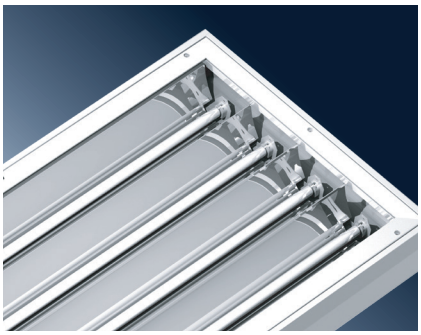


FARGO

IP 65

Application: FARGO dustproof light fixture manufactured in insulation class II with resistance against water jets is designed especially for lighting agricultural areas, workshops, cellars, garages, kithcens and public spaces.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material GRP (polyester filled with fibre glass), white

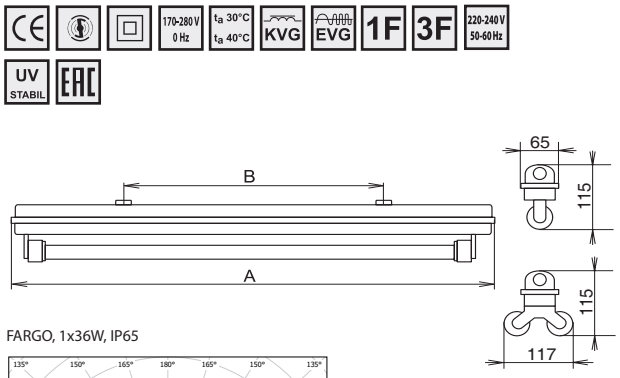
Reflector: possibility of mounting two types of reflector:
1. white painted steel sheet, RAL9003 (on request)
2. high polished aluminium sheet (on request)

Fastening: Direct fastening on ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

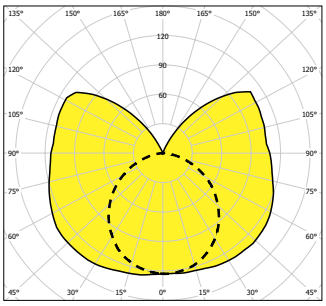
Standard equipment: 1 pc sealing kit for fastening on the ceiling, 1 pc sealing cable gland

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
PC tube – protective PC (polycarbonate) tube for T26 lamps



– inductive ballast, compensated			
054150	FARGO-136-K, 1x36W	T26/G13	1271 x 900
054151	FARGO-236-K, 2x36W		1271 x 900
054152	FARGO-158-K, 1x58W		1571 x 900
054153	FARGO-258-K, 2x58W		1571 x 900
– electronic ballastk			
054160	FARGO-136-EP, 1x36W	T26/G13	1271 x 900
054161	FARGO-236-EP, 2x36W		1271 x 900
054162	FARGO-158-EP, 1x58W		1571 x 900
054163	FARGO-258-EP, 2x58W		1571 x 900
– special accessories			
001620	White painted steel sheet reflector FARGO 136/236		
001621	White painted steel sheet reflector FARGO 158/258		
001623	Highly polished aluminium reflector FARGO 136/236		
001624	Highly polished aluminium reflector FARGO 158/258		
003300	Protective PC tube FARGO 36W		
003301	Protective PC tube FARGO 58W		
003095	Covering nut		

FARGO, 1x36W, IP65



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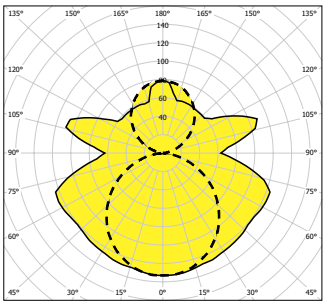
FARGO, 2x36W, IP65



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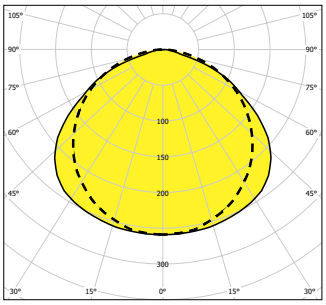
FARGO, 2x58W, IP65 – white painted reflector



—— C0-C180 - - - - C90-C270

White painted steel sheet reflector

Highly polished aluminium reflector

EXTREME

IP 65

Application: EXTREME dustproof light fixture with resistance against water jets is designed for lighting areas with higher ambient temperature, areas with high risk of fire due to the presence of dust and fibers, e.g. outbuildings.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Aluminium alloy with eloxal coating finish of surface, plastic sides from PC (polycarbonate) at the ends of body, chemical resistance – see page 178

Cover: Tempered safety glass

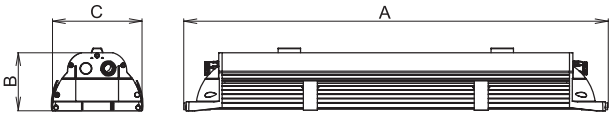
Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall by means of two adjustable brackets

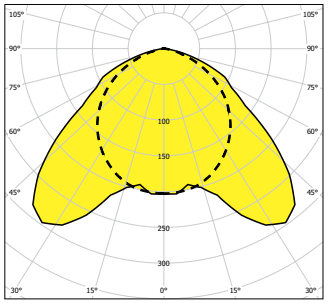
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs adjustable bracket

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors

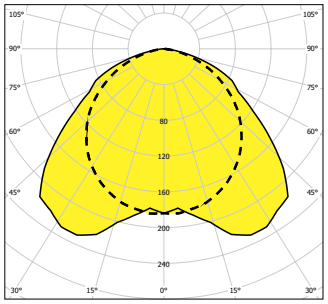


EXTREME, 1x58W, IP 65



—— C0-C180 - - - - C90-C270

EXTREME, 2x36W, IP 65



—— C0-C180 - - - - C90-C270

– electronic ballast			
054400	EXTREME-114-EP, 1x14W	T16/G5	720 x 105 x165
054401	EXTREME-214-EP, 2x14W		720 x 105 x165
054402	EXTREME-124-EP, 1x24W		720 x 105 x 165
054403	EXTREME-224-EP, 2x24W		720 x 105 x 165
054404	EXTREME-121-EP, 1x21W		980 x 105 x165
054405	EXTREME-221-EP, 2x21W		980 x 105 x165
054406	EXTREME-139-EP, 1x39W		980 x 105 x165
054407	EXTREME-239-EP, 2x39W		980 x 105 x165
054408	EXTREME-128-EP, 1x28W		1320 x 105 x 165
054409	EXTREME-228-EP, 2x28W		1320 x 105 x 165
054410	EXTREME-154-EP, 1x54W		1320 x 105 x 165
054411	EXTREME-254-EP, 2x54W		1320 x 105 x 165
054412	EXTREME-135-EP, 1x35W		1620 x 105 x 165
054413	EXTREME-235-EP, 2x35W		1620 x 105 x 165
054414	EXTREME-149-EP, 1x49W		1620 x 105 x 165
054415	EXTREME-249-EP, 2x49W		1620 x 105 x 165
054416	EXTREME-180-EP, 1x80W		1620 x 105 x 165
054417	EXTREME-280-EP, 2x80W		1620 x 105 x 165
– inductive ballast			
054418	EXTREME-118-K, 1x18W	T26/G13	720 x 105 x 165
054419	EXTREME-218-K, 2x18W		720 x 105 x 165
054420	EXTREME-136-K, 1x36W		1320 x 105 x 165
054421	EXTREME-236-K, 2x36W		1320 x 105 x 165
054422	EXTREME-158-K, 1x58W		1620 x 105 x165
054423	EXTREME-258-K, 2x58W		1620 x 105 x165
–electronic ballast			
054424	EXTREME-118-EP, 1x18 W	T26/G13	720 x 105 x165
054425	EXTREME-218-EP, 2x18 W		720 x 105 x165
054426	EXTREME-136-EP, 1x36 W		1320 x 105 x 165
054427	EXTREME-236-EP, 2x36 W		1320 x 105 x 165
054428	EXTREME-158-EP, 1x58 W		1620 x 105 x165
054429	EXTREME-258-EP, 2x58 W		1620 x 105 x165

– special accessories

008029	Cable gland PG 13,5 with nut, RAL7004
008501	M20 sealing plug, grey, incl. gasket and nut

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade.

ČVUT – Faculty of Electrical Engineering cooperated on this project

SALUKA

IP 66

Application: SALUKA dustproof light fixture with resistance against water jets is designed for lighting agricultural areas, workshops, cellars, garages, kitchens and production halls.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet RAL 9001

Cover: Tempered safety glass
PC cover on request (IP64 only)

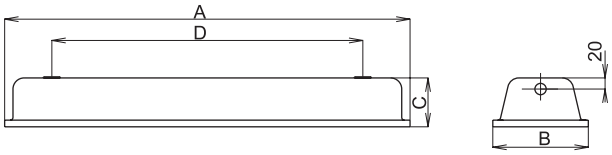
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of suspension brackets with steel or chain

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
NEREZ – body from stainless steel metal sheet
PC COVER – cover from PC (polycarbonate), IP64 only
AR – aluminium reflector (deep radiant)
PAR – parabolic reflector



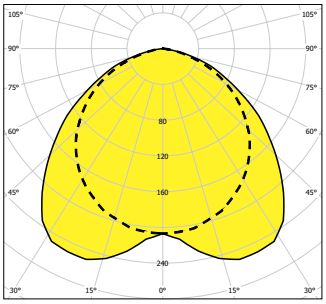
– electronic ballast			
054306	SALUKA-118-EP, 1x18W	T26/G13	705 x 192 x 90 x 560
054307	SALUKA-218-EP, 2x18W		705 x 192 x 90 x 560
054308	SALUKA-136-EP, 1x36W		1305 x 192 x 90 x 1160
054309	SALUKA-236-EP, 2x36W		1305 x 192 x 90 x 1160
054298	SALUKA-336-EP, 3x36W		1305 x 192 x 90 x 1160
054310	SALUKA-158-EP, 1x58W		1605 x 192 x 90 x 1400
054311	SALUKA-258-EP, 2x58W		1605 x 192 x 90 x 1400
054299	SALUKA-358-EP, 3x58W		1605 x 192 x 90 x 1400
– electronic ballast			
056170	SALUKA-228-EP, 2x28W	T16/G5	1305 x 192 x 90 x 1160
056171	SALUKA-254-EP, 2x54W		1305 x 192 x 90 x 1160
056172	SALUKA-235-EP, 2x35W		1605 x 192 x 90 x 1400
056173	SALUKA-249-EP, 2x49W		1605 x 192 x 90 x 1400
056174	SALUKA-280-EP, 2x80W		1605 x 192 x 90 x 1400

– maintained emergency lighting, electronic ballast, 1h			
054345	MULTISALUKA-218-EP,2x18W, 1h	T26/G13	705 x 192 x 90 x 560
054349	MULTISALUKA-136-EP,1x36W, 1h		1305 x 192 x 90 x 1160
054343	MULTISALUKA-236-EP,2x36W, 1h		1305 x 192 x 90 x 1160
054347	MULTISALUKA-158-EP,1x58W, 1h		1605 x 192 x 90 x 1400
054341	MULTISALUKA-258-EP,2x58W, 1h		1605 x 192 x 90 x 1400

– special accessories

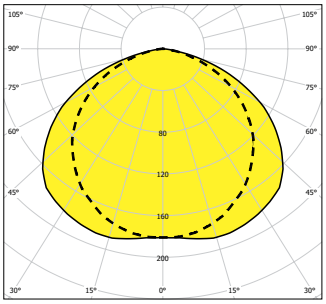
008029	Cable gland PG 13,5 with nut, RAL7004
008501	M20 sealing plug, grey, incl. gasket and nut
001995	Reflector AR – 2x36W deep radiant
001996	Reflector AR – 2x58W deep radiant
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)
051145	Pole bracket (50 mm diameter)

SALUKA-AR, 2x36W, IP66



—— C0-C180 - - - - C90-C270

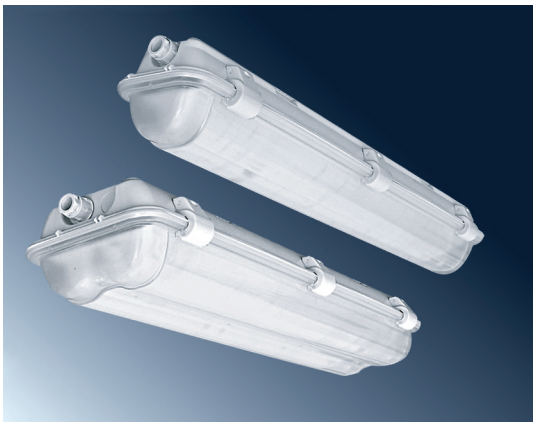
SALUKA, 2x36W, IP66



—— C0-C180 - - - - C90-C270

VIPET – I

IP 66



Application: VIPET-I dustproof light fixture with resistance against water jets is designed for lighting agricultural areas, workshops, cellars, garages and production halls.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PS (polystyrene), ABS (acrylonitrile-butadiene-styrene) or PC (polycarbonate), grey colour RAL7035, chemical resistance – see page 178

Cover: Plastic material PS (polystyrene), SAN (styrene-acrylonitrile) or PC (polycarbonate), transparent colour, chemical resistance – see page 178

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm^2; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables

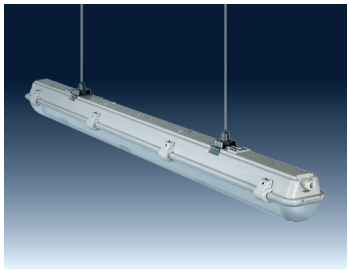
On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
RN - outdoor use of light fixture in uncovered areas
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
AR – aluminium linera reflector (deep radiant)
PAR – parabolic reflector

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER.
VIPET luminaires can be used in covered outdoor areas.
For outdoor use in uncovered areas we recommend VIPET-I-RN luminaires.

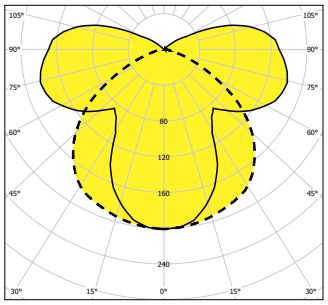
Used materials

Type	Body	Light active cover	Ballast	Reflector
VIPET – I – PS	PS *	PS	Inductive	White
VIPET – I – PMMA	ABS	SAN	Inductive	White
VIPET – I – PC	PC	PC	Inductive	White
VIPET – I – PS – EP	PS *	PS	Electronic ballast (EP)	White
VIPET – I – PMMA – EP	ABS	SAN	Electronic ballast (EP)	White
VIPET – I – PC – EP	PC	PC	Electronic ballast (EP)	White

Type 2x58W is prduced only in variants: PC body - PC cover and PC body – SAN cover
* Type 1x58W body is made from ABS.

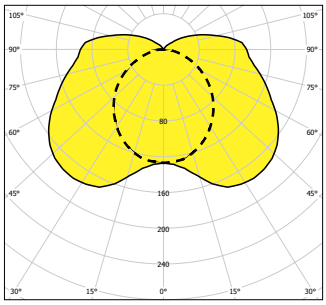


VIPET, 1x36W, IP 66

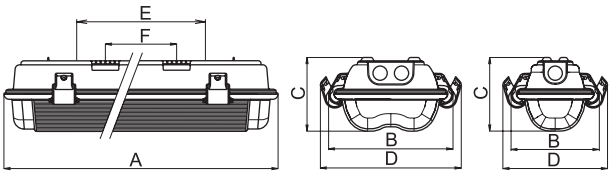


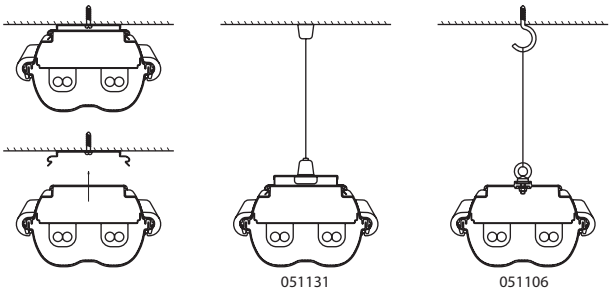
C0-C180 - - - - C90-C270

VIPET, 2x36W, IP 66



C0-C180 - - - - C90-C270





F – spacing of self-locking fastening springs
E – spacing of suspension brackets

– special accessories

051106	Plastic suspension bracket with accessories
051130	Self-locking cable suspender VIPET – 1x (2 pcs))
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)
003571	Stainless steel clip POINTER, VIPET
001719	Stainless steel fastening spring VIPET – 1x (1 pc)
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)
001768	Aluminium parabolic reflector VIPET, 2x36W
001769	Aluminium parabolic reflector VIPET, 2x58W
001505	Protective cover VIPET 2x36W - through
001506	Protective cover VIPET 2x36W - ending
001509	Protective cover VIPET 2x58W - throug
001510	Protective cover VIPET 2x58W - ending

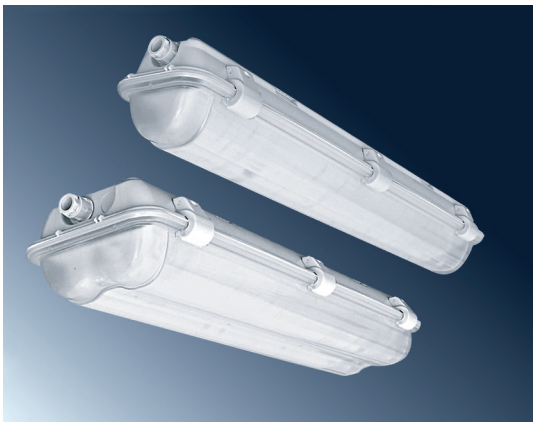
Light fitting can be equipped with emergency module, also with autotest

			AxBxCxDxExF (mm)
– inductive ballast, compensated			
052201	VIPET-I-PS-218-K, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052203	VIPET-I-PMMA-218-K, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052205	VIPET-I-PC-218-K, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052401	VIPET-I-PS-118-K, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052403	VIPET-I-PMMA-118-K, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052405	VIPET-I-PC-118-K, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052059	VIPET-I-PS-236-K, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052060	VIPET-I-PMMA-236-K, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052052	VIPET-I-PC-236-K, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052101	VIPET-I-PS-136-K, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052103	VIPET-I-PMMA-258-K, 2x58W		1290 x 132 x 110 x 156 x 790 x 700
052105	VIPET-I-PC-136-K, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052303	VIPET-I-PMMA-258, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052305	VIPET-I-PC-258-K, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052451	VIPET-I-PS-158-K, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
052453	VIPET-I-PMMA-158-K, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
052455	VIPET-I-PC-158-K, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000

			AxBxCxDxExF (mm)
– electronic ballast			
052220	VIPET-I-PS-218-EP, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052221	VIPET-I-PMMA-218-EP, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052222	VIPET-I-PC-218-EP, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052420	VIPET-I-PS-118-EP, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052421	VIPET-I-PMMA-118-EP, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052422	VIPET-I-PC-118-EP, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052054	VIPET-I-PS-236-EP, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052063	VIPET-I-PMMA-236-EP, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052056	VIPET-I-PC-236-EP, 2x36W	T26/G13	1290 x 186 x 110 x 210 x 790 x 700
052120	VIPET-I-PS-136-EP, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052121	VIPET-I-PMMA-136-EP, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052122	VIPET-I-PC-136-EP, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052321	VIPET-I-PMMA-258-EP, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052322	VIPET-I-PC-258-EP, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052460	VIPET-I-PS-158-EP, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
052461	VIPET-I-PMMA-158-EP, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
052462	VIPET-I-PC-158-EP, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
– dimmable electronic ballast			
052225	VIPET-I-PS-218-EP-DIM, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052226	VIPET-I-PMMA-218-EP-DIM, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052227	VIPET-I-PC-218-EP-DIM, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052065	VIPET-I-PS-236-EP-DIM, 2x36W		685 x 132 x 110 x 156 x 400 x 340
052066	VIPET-I-PMMA-236-EP-DIM, 2x36W		685 x 132 x 110 x 156 x 400 x 340
052067	VIPET-I-PC-236-EP-DIM, 2x36W		685 x 132 x 110 x 156 x 400 x 340
052125	VIPET-I-PS-136-EP-DIM, 1x36W	T26/G13	1290 x 186 x 110 x 210 x 790 x 700
052126	VIPET-I-PMMA-136-EP-DIM, 1x36W		1290 x 186 x 110 x 210 x 790 x 700
052127	VIPET-I-PC-136-EP-DIM, 1x36W		1290 x 186 x 110 x 210 x 790 x 700
052326	VIPET-I-PMMA-258-EP-DIM, 2x58W		1590 x 132 x 110 x 156 x 790 x 700
052327	VIPET-I-PC-258-EP-DIM, 2x58W		1590 x 132 x 110 x 156 x 790 x 700
052465	VIPET-I-PS-158-EP-DIM, 1x58W		1590 x 132 x 110 x 156 x 790 x 700
052466	VIPET-I-PMMA-158-EP-DIM, 1x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052467	VIPET-I-PC-158-EP-DIM, 1x58W		1590 x 186 x 110 x 210 x 1090 x 1000
– lowlost inductive ballast – t_a 40 °C			
052621	VIPET-I-PC-218-K-T40, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052620	VIPET-I-PC-118-K-T40, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052623	VIPET-I-PC-236-K-T40, 2x36W	T26/G13	1290 x 186 x 110 x 210 x 790 x 700
052622	VIPET-I-PC-136-K-T40, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052625	VIPET-I-PC-258-K-T40, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052624	VIPET-I-PC-158-K-T40, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
– electronic ballast – t_a 40 °C			
052603	VIPET-I-PC-218-EP-T40, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052600	VIPET-I-PC-118-EP-T40, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052604	VIPET-I-PC-236-EP-T40, 2x36W	T26/G13	1290 x 186 x 110 x 210 x 790 x 700
052601	VIPET-I-PC-136-EP-T40, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052605	VIPET-I-PC-258-EP-T40, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052602	VIPET-I-PC-158-EP-T40, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000

VIPET – I – T16

IP 66



Application: VIPET-I-T16 dustproof light fixture with resistance against water jets is designed for lighting agricultural areas, workshops, cellars, garages and production halls.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material PS (polystyrene), ABS (acrylonitrile-butadiene-styrene) or PC (polycarbonate), grey colour RAL7035, chemical resistance – see page 178

Cover: Plastic material PS (polystyrene), SAN (styrene-acrylonitrile) or PC (polycarbonate), transparent colour, chemical resistance – see page 178

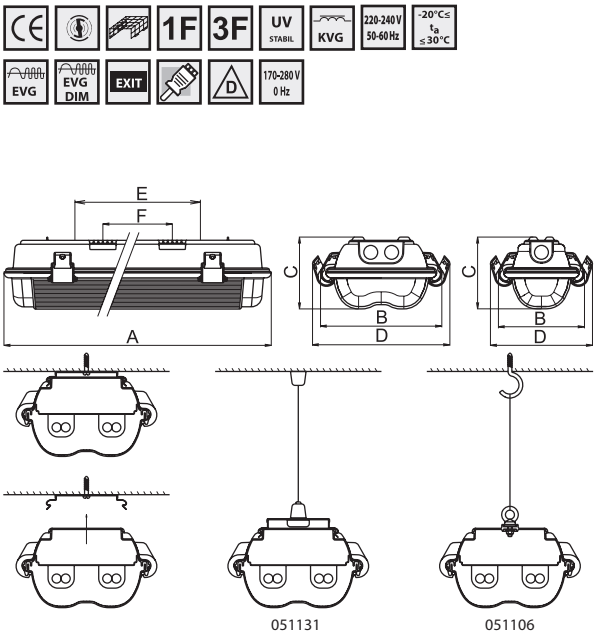
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm^2; light fixture is ready to connect two wires (order additional cable gland)

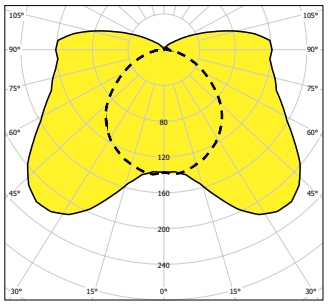
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
RN - outdoor use of light fixture in uncovered areas
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors
AR – aluminium linera reflector (deep radiant)
PAR – parabolic reflector



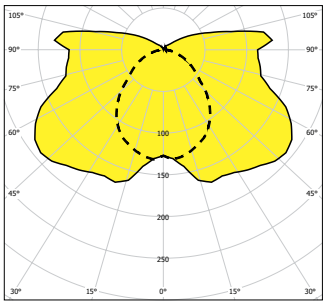
F – spacing of self-locking fastening springs
E – spacing of suspension brackets

VIPET-I-T16, 2x54W, IP 66



C0-C180 ---- C90-C270

VIPET-I-T16, 2x80W, IP 66



C0-C180 ---- C90-C270

			AxBxCxDxExF (mm)
– electronic ballast			
052700	VIPET-I-PS-214-EP, 2x14W		685 x 186 x 110 x 210 x 400 x 340
052701	VIPET-I-PMMA-214-EP, 2x14W		685 x 186 x 110 x 210 x 400 x 340
052702	VIPET-I-PC-214-EP, 2x14W		685 x 186 x 110 x 210 x 400 x 340
052703	VIPET-I-PS-224-EP, 2x24W		685 x 186 x 110 x 210 x 400 x 340
052704	VIPET-I-PMMA-224-EP, 2x24W		685 x 186 x 110 x 210 x 400 x 340
052705	VIPET-I-PC-224-EP, 2x24W		685 x 186 x 110 x 210 x 400 x 340
052722	VIPET-I-PC-114-EP, 1x14W		685 x 132 x 110 x 156 x 400 x 340
052723	VIPET-I-PS-124-EP, 1x24W		685 x 132 x 110 x 156 x 400 x 340
052724	VIPET-I-PMMA-124-EP, 1x24W		685 x 132 x 110 x 156 x 400 x 340
052725	VIPET-I-PC-124-EP, 1x24W		685 x 132 x 110 x 156 x 400 x 340
052706	VIPET-I-PS-228-EP, 2x28W		1290 x 186 x 110 x 210 x 790 x 700
052707	VIPET-I-PMMA-228-EP, 2x28W		1290 x 186 x 110 x 210 x 790 x 700
052708	VIPET-I-PC-228-EP, 2x28W		1290 x 186 x 110 x 210 x 790 x 700
052709	VIPET-I-PS-254-EP, 2x54W		1290 x 186 x 110 x 210 x 790 x 700
052710	VIPET-I-PMMA-254-EP, 2x54W		1290 x 186 x 110 x 210 x 790 x 700
052711	VIPET-I-PC-254-EP, 2x54W		1290 x 186 x 110 x 210 x 790 x 700
052726	VIPET-I-PS-128-EP, 1x28W	T16/G5	1290 x 132 x 110 x 156 x 790 x 700
052727	VIPET-I-PMMA-128-EP, 1x28W		1290 x 132 x 110 x 156 x 790 x 700
052728	VIPET-I-PC-128-EP, 1x28W		1290 x 132 x 110 x 156 x 790 x 700
052729	VIPET-I-PS-154-EP, 1x54W		1290 x 132 x 110 x 156 x 790 x 700
052730	VIPET-I-PMMA-154-EP, 1x54W		1290 x 132 x 110 x 156 x 790 x 700
052731	VIPET-I-PC-154-EP, 1x54W		1290 x 132 x 110 x 156 x 790 x 700
052712	VIPET-I-PMMA-235-EP, 2x35W		1590 x 186 x 110 x 210 x 1090 x 1000
052713	VIPET-I-PC-235-EP, 2x35W		1590 x 186 x 110 x 210 x 1090 x 1000
052732	VIPET-I-PMMA-135-EP, 1x35W		1590 x 132 x 110 x 156 x 1090 x 1000
052733	VIPET-I-PC-135-EP, 1x35W		1590 x 132 x 110 x 156 x 1090 x 1000
052734	VIPET-I-PMMA-149-EP, 1x49W		1590 x 132 x 110 x 156 x 1090 x 1000
052735	VIPET-I-PC-149-EP, 1x49W		1590 x 132 x 110 x 156 x 1090 x 1000
052714	VIPET-I-PMMA-249-EP, 2x49W		1590 x 132 x 110 x 156 x 1090 x 1000
052715	VIPET-I-PC-249-EP, 2x49W		1590 x 132 x 110 x 156 x 1090 x 1000
052736	VIPET-I-PMMA-180-EP, 1x80W		1590 x 132 x 110 x 156 x 1090 x 1000
052737	VIPET-I-PC-180-EP, 1x80W		1590 x 132 x 110 x 156 x 1090 x 1000
052716	VIPET-I-PMMA-280-EP, 2x80W		1590 x 132 x 110 x 156 x 1090 x 1000
052717	VIPET-I-PC-280-EP, 2x80W		1590 x 132 x 110 x 156 x 1090 x 1000

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. VIPET luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend VIPET-I-RN luminaires.

VIPET – II

IP 66

Application: VIPET-II dustproof light fixture produced in insulation class II with resistance against water jets is designed for lighting agricultural areas, workshops, cellars, garages and production halls.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance – see page 178

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance – see page 178

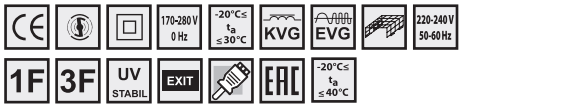
Reflector: White painted metal sheet RAL 9003

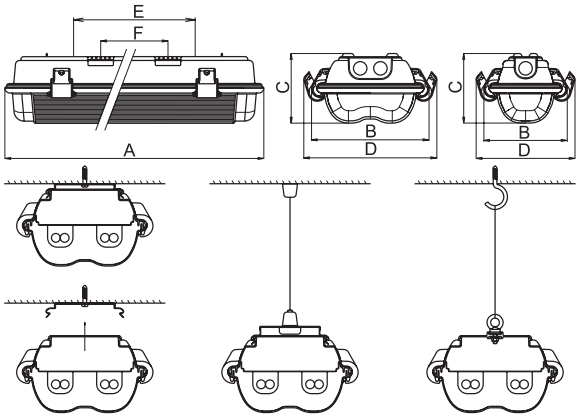
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
RN - outdoor use of light fixture in uncovered areas
GESIS – possibility to equip light fixtures with connectors
AR – aluminium linera reflector (deep radiant)
PAR – parabolic reflector

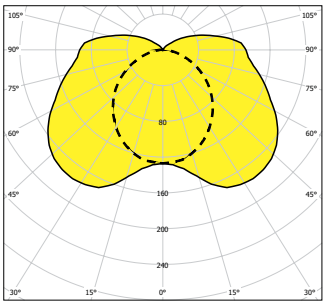




051131 051106

F – spacing of self-locking fastening springs
E – spacing of suspension bracketsk

VIPET-II, 2x36W, IP 66



—— C0-C180 - - - - C90-C270

			AxBxCxDxExF (mm)
– inductive ballast			
052527	VIPET-II-PC-218, 2x18W	T26/G13	685 x 186 x 110 x 210 x 400 x 340
052528	VIPET-II-PC-218-K, 2x18W		685 x 186 x 110 x 210 x 400 x 340
052545	VIPET-II-PC-118, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052546	VIPET-II-PC-118-K, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052507	VIPET-II-PC-236, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052508	VIPET-II-PC-236-K, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052517	VIPET-II-PC-236, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052518	VIPET-II-PC-136-K, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052535	VIPET-II-PC-258, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052536	VIPET-II-PC-258-K, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052555	VIPET-II-PC-158, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
052556	VIPET-II-PC-158-K, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
– electronic ballast			
052529	VIPET-II-PC-218-EP, 2x18W	T26/G13	685 x 186 x 110 x 210 x 400 x 340
052547	VIPET-II-PC-118-EP, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052509	VIPET-II-PC-236-EP, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052519	VIPET-II-PC-136-EP, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052537	VIPET-II-PC-258-EP, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052557	VIPET-II-PC-158-EP, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
– electronic ballast			
052690	VIPET-II-PC-128/154-EP, 1x28/54W	T16/G5	1290 x 132 x 110 x 210 x 790 x 700
052692	VIPET-II-PC-228/254-EP, 2x28/54W		1290 x 186 x 110 x 210 x 790 x 700
052691	VIPET-II-PC-135/149/180-EP, 1x35/49/80W		1590 x 132 x 110 x 210 x 1090 x 1000
052693	VIPET-II-PC-235/248/280-EP, 2x35/49/80W		1590 x 186 x 110 x 210 x 1090 x 1000

			AxBxCxDxExF (mm)
– electronic ballast – t_a 40 °C			
052611	VIPET-II-PC-218-EP-T40, 2x18W	T26/G13	685 x 186 x 110 x 210 x 400 x 340
052610	VIPET-II-PC-118-EP-T40, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052613	VIPET-II-PC-236-EP-T40, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052612	VIPET-II-PC-136-EP-T40, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052615	VIPET-II-PC-258-EP-T40, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052614	VIPET-II-PC-158-EP-T40, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
– lowlost inductive ballast – t_a 40 °C			
052561	VIPET-II-PC-218-K-T40, 2x18W	T26/G13	685 x 186 x 110 x 210 x 400 x 340
052560	VIPET-II-PC-118-K-T40, 1x18W		685 x 132 x 110 x 156 x 400 x 340
052563	VIPET-II-PC-236-K-T40, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
052562	VIPET-II-PC-136-K-T40, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
052565	VIPET-II-PC-258-K-T40, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
052564	VIPET-II-PC-158-K-T40, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. VIPET luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend VIPET-I-RN luminaires.

VIPET – RN

IP 66

Application: VIPET-I-RN dustproof light fixture is designed for outdoor use of in uncovered areas with resistance against water jets and for lighting agricultural areas, workshops, cellars, garages and production halls.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance – see page 178

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance – see page 178

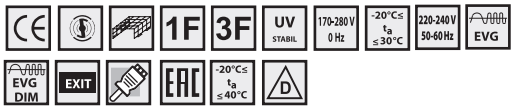
Reflector: White painted metal sheet RAL 9003

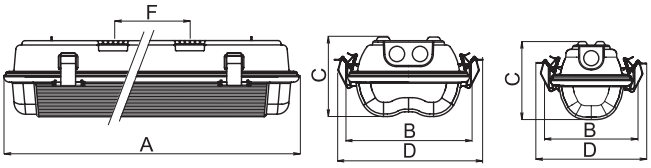
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

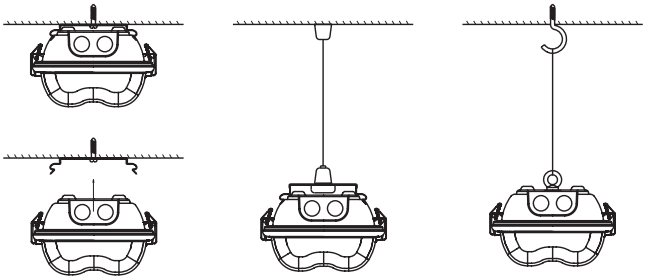
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: DIM – dimmable electronic ballast (1-10V, DSI, DALI)
1F/3F – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors
AR – aluminium linera reflector (deep radiant)
PAR – parabolic reflector

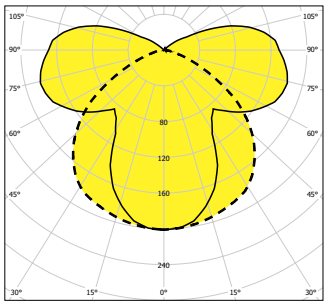






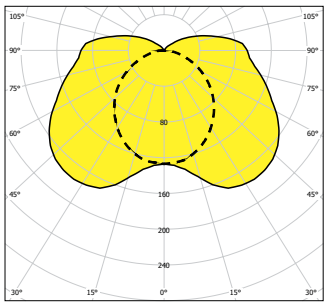
– electronic ballast			
52810	VIPET-I-RN-PC-118-EP-T40, 1x18W	T26/G13	685 x 132 x 110 x 156 x 400 x 340
52811	VIPET-I-RN-PC-218-EP-T40, 2x18W		685 x 186 x 110 x 210 x 400 x 340
52812	VIPET-I-RN-PC-136-EP-T40, 1x36W		1290 x 132 x 110 x 156 x 790 x 700
52813	VIPET-I-RN-PC-236-EP-T40, 2x36W		1290 x 186 x 110 x 210 x 790 x 700
52814	VIPET-I-RN-PC-158-EP-T40, 1x58W		1590 x 132 x 110 x 156 x 1090 x 1000
52815	VIPET-I-RN-PC-258-EP-T40, 2x58W		1590 x 186 x 110 x 210 x 1090 x 1000
– electronic ballast			
52820	VIPET-I-RN-PC-114-EP, 1x14W	T16/G5	685 x 132 x 110 x 156 x 400 x 340
52821	VIPET-I-RN-PC-124-EP, 1x24W		685 x 132 x 110 x 156 x 400 x 340
52822	VIPET-I-RN-PC-214-EP, 2x14W		685 x 186 x 110 x 210 x 400 x 340
52823	VIPET-I-RN-PC-224-EP, 2x24W		685 x 186 x 110 x 210 x 400 x 340
52824	VIPET-I-RN-PC-128-EP, 1x28W		1290 x 132 x 110 x 156 x 790 x 700
52825	VIPET-I-RN-PC-154-EP, 1x54W		1290 x 132 x 110 x 156 x 790 x 700
52826	VIPET-I-RN-PC-228-EP, 2x28W		1290 x 186 x 110 x 210 x 790 x 700
52827	VIPET-I-RN-PC-254-EP, 2x54W		1290 x 186 x 110 x 210 x 790 x 700
52828	VIPET-I-RN-PC-135-EP, 1x35W		1590 x 132 x 110 x 156 x 1090 x 1000
52829	VIPET-I-RN-PC-149-EP, 1x49W		1590 x 132 x 110 x 156 x 1090 x 1000
52830	VIPET-I-RN-PC-180-EP, 1x80W		1590 x 132 x 110 x 156 x 1090 x 1000
52831	VIPET-I-RN-PC-235-EP, 2x35W		1590 x 186 x 110 x 210 x 1090 x 1000
52832	VIPET-I-RN-PC-249-EP, 2x49W		1590 x 186 x 110 x 210 x 1090 x 1000
52833	VIPET-I-RN-PC-280-EP, 2x80W		1590 x 186 x 110 x 210 x 1090 x 1000
– special accessories			
051106	Plastic suspension bracket with accessories		
051109	Accessories for 3-phase through-wiring connection VIPET 36W - 5x1,5 mm²		
051110	Accessories for 3-phase through-wiring connection VIPET 58W - 5x1,5 mm²		
051130	Self-locking cable suspender VIPET – 1x (2 pcs)		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
001719	Stainless steel fastening spring VIPET – 1x (1 pc)		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		
001768	Aluminium parabolic reflector VIPET, 2x36W		
001769	Aluminium parabolic reflector VIPET, 2x58W		

VIPET-I-RN, 1x36W, IP 66



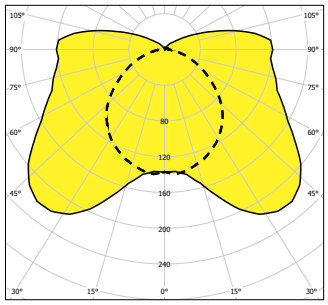
—— C0-C180 - - - - C90-C270

VIPET-I-RN, 2x36W, IP 66



—— C0-C180 - - - - C90-C270

VIPET-I-RN, 2x54W, IP 66

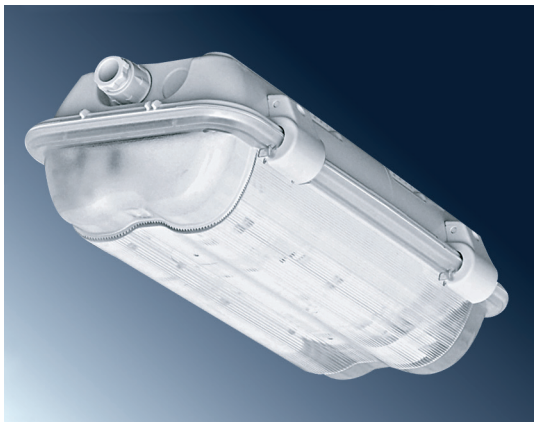


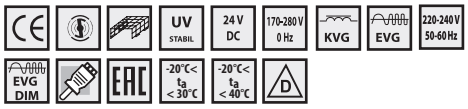
—— C0-C180 - - - - C90-C270

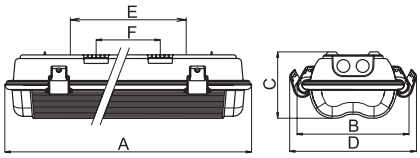
For areas with with the appearance of oily emulsions, aggressive chemi--cals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER.

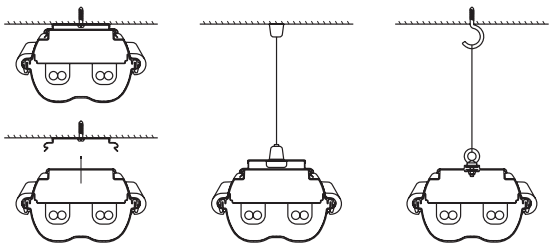
POINTER – I

IP 66









051131 051106

F – spacing of self-locking fastening springs
E – spacing of suspension brackets

Application: POINTER-I dustproof light fixture with resistance against water jets is designed for lighting corridors, workshops, cellars and garages.

Ballast: **K** – electromagnetic ballast 230V/50Hz
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material ABS (acrylonitrile-butadiene-styrene) or PC (polycarbonate), grey colour RAL7035, chemical resistance – see page 178

Cover: Plastic material SAN (styrene-acrylonitrile) or PC (polycarbonate), transparent colour, chemical resistance – see page 178

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

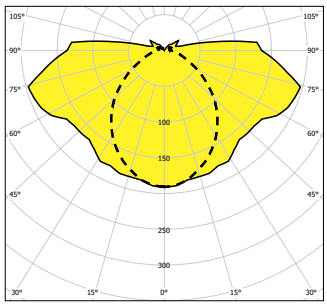
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables

On request: **DIM** – dimmable electronic ballast (1-10V, DSI, DALI)
RN - outdoor use of light fixture in uncovered areas
GESIS – possibility to equip light fixtures with connectors

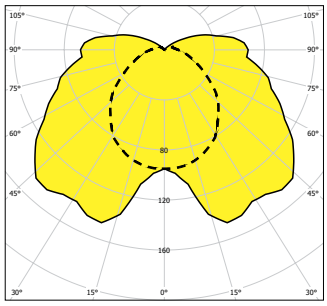
			AxBxCxDxExF (mm)
– inductive ballast			
052000	POINTER-I-PMMA-211, 2x11W	TC-S/G23	338 x 186 x 105 x 210 x 232 x 100
052002	POINTER-I-PC-211, 2x11W		338 x 186 x 105 x 210 x 232 x 100
052010	POINTER-I-PMMA-111, 1x11W		338 x 186 x 105 x 210 x 232 x 100
052028	POINTER-I-PC-111, 1x11W		338 x 186 x 105 x 210 x 232 x 100
– electronic ballast			
052004	POINTER-I-PMMA-211-EP, 2x11W	TC-SEL/2G7	338 x 186 x 105 x 210 x 232 x 100
052006	POINTER-I-PC-211-EP, 2x11W		338 x 186 x 105 x 210 x 232 x 100
052033	POINTER-I-PMMA-111-EP, 1x11W		338 x 186 x 105 x 210 x 232 x 100
052035	POINTER-I-PC-111-EP, 1x11W		338 x 186 x 105 x 210 x 232 x 100
– electronic ballast, 24V DC			
052047	POINTER-I-PMMA, 2x9W/24V DC	TC-SEL/2G7	338 x 186 x 105 x 210 x 232 x 100
052048	POINTER-I-PC, 2x9W/24V DC		338 x 186 x 105 x 210 x 232 x 100
052045	POINTER-I-PMMA, 1x9W/24V DC		338 x 186 x 105 x 210 x 232 x 100
052046	POINTER-I-PC, 1x9W/24V DC		338 x 186 x 105 x 210 x 232 x 100
– special accessories			
051106	Plastic suspension bracket with accessories		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		

POINTER-I, 2x11W, IP66



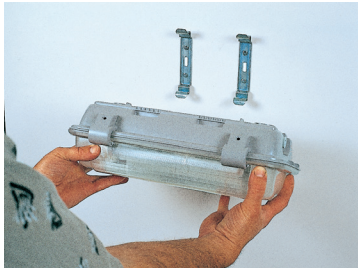
—— C0-C180 - - - - C90-C270

POINTER-I-1x11W, IP66



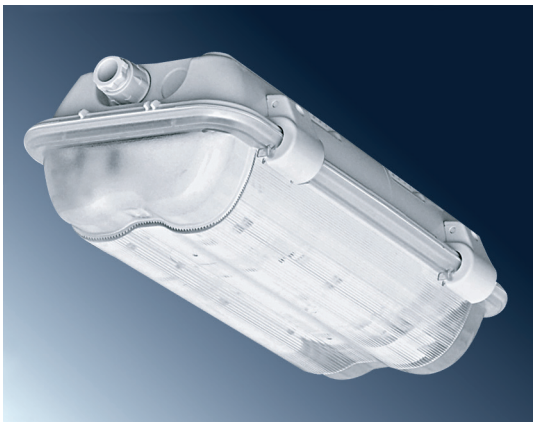
—— C0-C180 - - - - C90-C270

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. POINTER luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend POINTER-I-RN luminaires.



POINTER – II

IP 66



Application: POINTER-II dustproof light fixture produced in insulation class II with resistance against water jets is designed for lighting corridors, workshops, cellars and garages.

Ballast: **K** – electromagnetic ballast 230V/50Hz
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance – see page 178

Cover: Plastic material SAN (styrene-acrylonitrile) or PC (polycarbonate), transparent colour, chemical resistance – see page 178

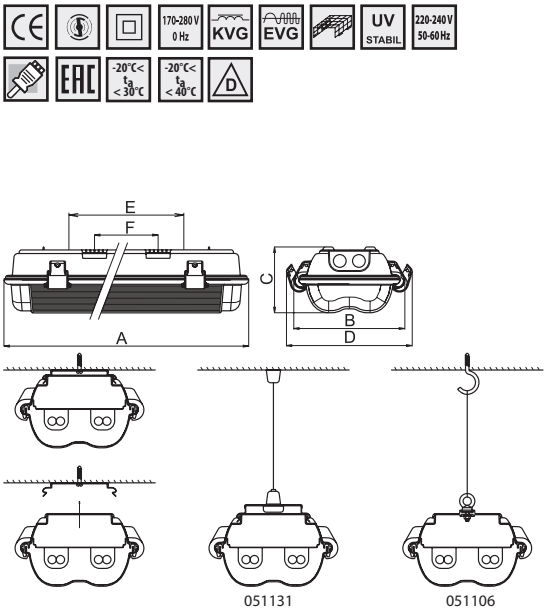
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs fastening spring, double clamp for power cables

On request: **DIM** – dimmable electronic ballast (1-10V, DSI, DALI)
RN - outdoor use of light fixture in uncovered areas
GESIS – possibility to equip light fixtures with connectors

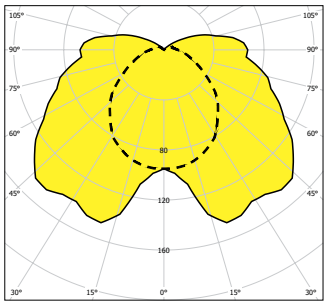


F – spacing of self-locking fastening springs
E – spacing of suspension brackets

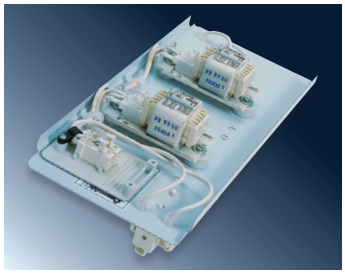
			AxBxCxDxExF (mm)
– inductive ballast			
052502	POINTER-II-PC-211, 2x11W	TC-S/G23	338 x 186 x 105 x 210 x 232 x 100
– electronic ballast			
052503	POINTER-II-PC-211-EP, 2x11W	TC-SEL/2G7	338 x 186 x 105 x 210 x 232 x 100
– special accessories			
051106	Plastic suspension bracket with accessories		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. POINTER luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend POINTER-I-RN luminaires.

POINTER-II, 2x11W, IP66



—— C0-C180 - - - - C90-C270



3V36a

IP 64

Application: 3V36A dustproof light fixture with resistance against water jets is designed for lighting workshops, cellars, garages and production halls.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material GRP (polyester filled with fiberglass), grey colour RAL7035

Cover: Plastic material SAN (styrene-acrylonitrile, transparent colour

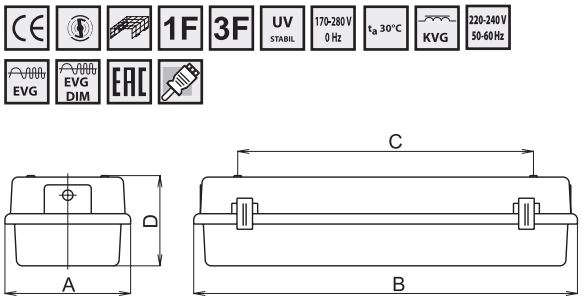
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area or suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

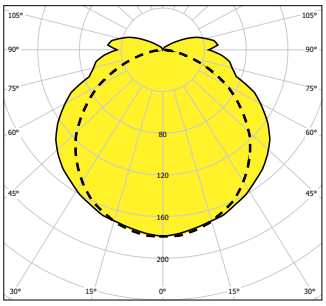
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, plastic clamps for power cables

On request: Em – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors



– inductive ballast			
050003	3V36a-336-K, 3x36W	T26/G13	240 x 1280 x 840 x 120
050021	3V36a-336, 3x36W		240 x 1280 x 840 x 120
050055	3V36a-336-3F, 3x36W, rozfázované		240 x 1280 x 840 x 120
– electronic ballast			
050062	3V36a-336-EP, 3x36W	T26/G13	240 x 1280 x 840 x 120
056160	3V36a-328-EP, 3x28W	T16/G5	240 x 1280 x 840 x 120
056161	3V36a-354-EP, 3x54W		240 x 1280 x 840 x 120
– special accessories			
051106	Plastic suspension bracket with accessories		
051107	Accessories for 3-phase through-wiring connection 3V36a – 5x1,5mm²		
001447	Protective cage 3V36a		
003570	Stainless steel clip 3V36a		

3V36a, 3x36W, IP64



—— C0-C180 - - - - C90-C270

V – SOKOL

IP 65

Application: V-SOKOL dustproof light fixture with resistance against water jets is designed for lighting workshops, cellars, gyms and garages.

Ballast: K – electromagnetic ballast 230V/50Hz, without parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material GPR (polystyr filled with fibreglass), grey colour RAL7035

Cover: Plastic material SAN (styrene-acrylonitrile), transparent colour

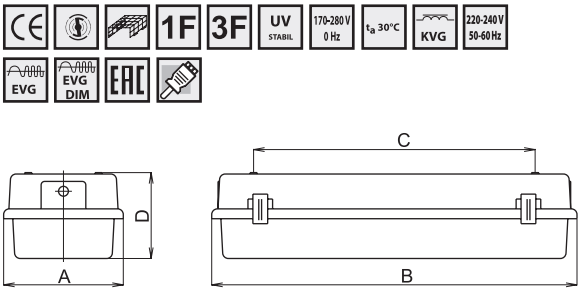
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area or suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, plastic clamps for power cables, stainless steel clips

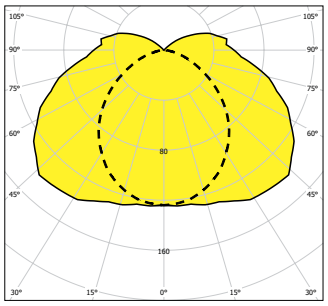
On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors



–inductive ballast			
050026	2V18-SOKOL-218, 2x18W	T26/G13	170 x 675 x 233 x 108
050028	2V36-SOKOL-236, 2x36W		170 x 1275 x 838 x 108
050029	2V58-SOKOL-258, 2x58W		170 x 1575 x 1138 x 108
– electronic ballast			
050027	2V18-SOKOL-218-EP, 2x18W	T26/G13	170 x 675 x 233 x 108
050034	2V36-SOKOL-236-EP, 2x36W		170 x 1275 x 838 x 108
050035	2V58-SOKOL-258-EP, 2x58W		170 x 1575 x 1138 x 108

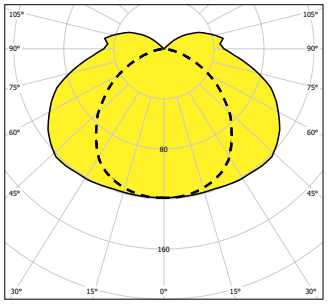
– electronic ballast			
056150	2V28-SOKOL-228-EP, 2x28W	T16/G5	170 x 1275 x 838 x 108
056151	2V54-SOKOL-254-EP, 2x54W		170 x 1275 x 838 x 108
056152	2V35-SOKOL-235-EP, 2x35W		170 x 1575 x 1138 x 108
056153	2V49-SOKOL-249-EP, 2x49W		170 x 1575 x 1138 x 108
056154	2V80-SOKOL-280-EP, 2x80W		170 x 1575 x 1138 x 108
– special accessories			
051106	Plastic suspension bracket with accessories		
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
051101	Accessories for 3-phase through-wiring connection 2V36		
051103	Accessories for 3-phase through-wiring connection 2V58		
001749	Protective cage 2x36W		
001750	Protective cage 2x58W		

2V36-SOKOL, 2x36W, IP65



—— C0-C180 - - - - C90-C270

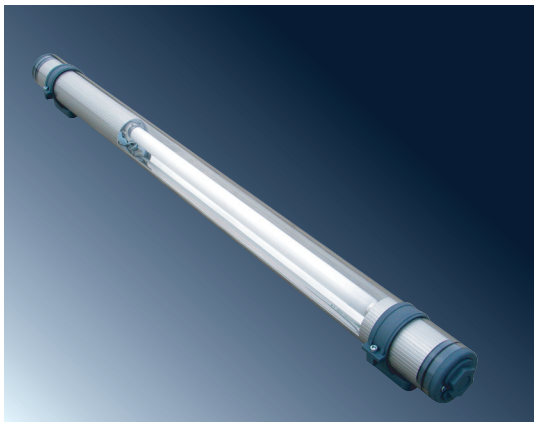
2V58-SOKOL, 2x58W, IP65



—— C0-C180 - - - - C90-C270

AQUA – I

IP68



Application: AQUA-I dustproof and waterproof light fixture with resistance against water jets and immersion in 20 m is designed for lighting in the car wash, chemical industry, water tanks, timber industry, swimming pools and all outdoor areas.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

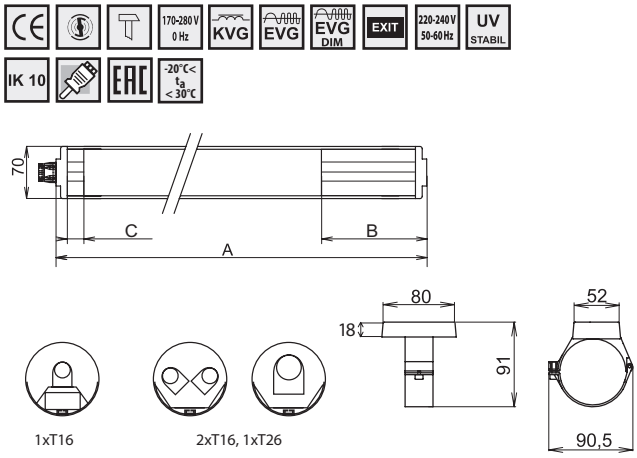
Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

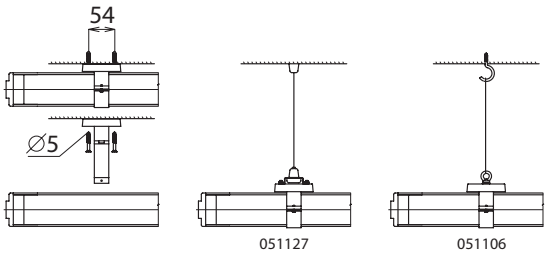
Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

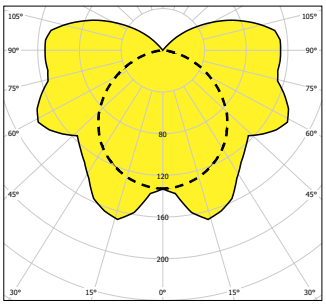
Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
GESIS – possibility to equip light fixtures with connectors

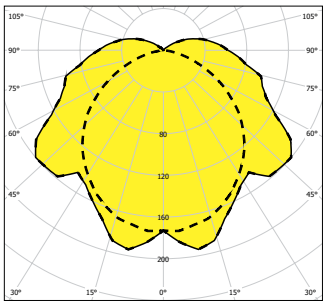




AQUA-I, 1x36W, IP68



AQUA-I, 2x54W, IP68



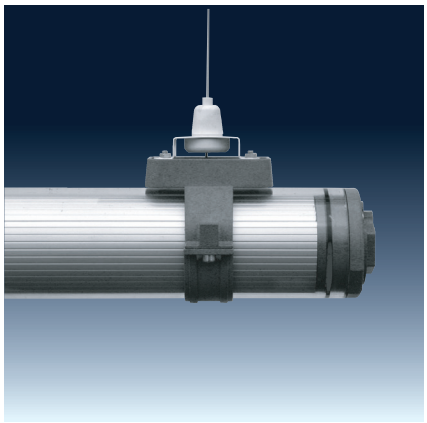
			A (mm)	B (mm)	C (mm)
– inductive ballast					
083625	AQUA-I-111, 1x11 W	TC-S/G23	584	221	100
083620	AQUA-I-118-K, 1x18 W	T26/G13	1148	221	260
083621	AQUA-I-136-K, 1x36 W		1739	221	240
083626	AQUA-I-136, 1x36 W	TC-L/2G11	981	235	250
083623	AQUA-I-158-K, 1x58 W	T26/G13	2066	240	270
– electronic ballast					
083628	AQUA-I-111-EP,1x11W	TC-SEL/2G11	584	221	80
083617	AQUA-I-118-EP,1x18W	T26/G13	1083	332	95
083618	AQUA-I-136-EP,1x36W		1683	322	95
083619	AQUA-I-158-EP,1x58W		1966	310	95

			A (mm)	B (mm)	C (mm)
– electronic ballast					
083600	AQUA-I-106-EP, 1x6W	T16/G5	446	80	80
083601	AQUA-I-108-EP, 1x8W		522	80	80
083602	AQUA-I-113-EP, 1x13W		751	80	80
083603	AQUA-I-114-EP, 1x14W		783	80	80
083607	AQUA-I-124-EP, 1x24W		783	80	80
083770	AQUA-I-214-EP, 2x14W		1148	425	100
083771	AQUA-I-224-EP, 2x24W		1148	425	100
083604	AQUA-I-121-EP, 1x21W		1083	80	80
083608	AQUA-I-139-EP, 1x39W		1083	80	80
083772	AQUA-I-221-EP, 2x21W		1439	425	95
083773	AQUA-I-239-EP, 2x39W		1439	425	95
083605	AQUA-I-128-EP, 1x28W		1383	80	80
083609	AQUA-I-154-EP, 1x54W		1383	80	80
083774	AQUA-I-228-EP, 2x28W		1739	425	95
083775	AQUA-I-254-EP, 2x54W		1739	425	95
083606	AQUA-I-135-EP, 1x35W		1683	80	80
083611	AQUA-I-149-EP,1x49W		1683	80	80
083610	AQUA-I-180-EP, 1x80W		1683	80	80
083776	AQUA-I-235-EP, 2x35W		2039	425	95
083778	AQUA-I-249-EP, 2x49W		2104	488	95
083777	AQUA-I-280-EP, 2x80W		2104	488	95

– special accessories

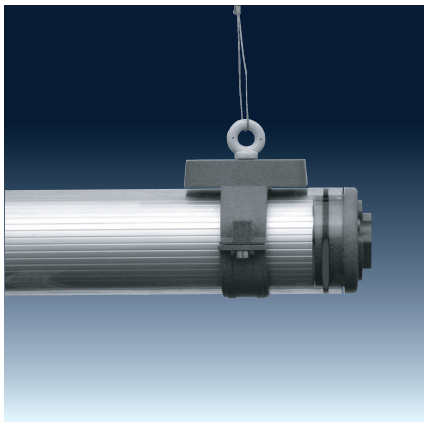
051106	Plastic suspension bracket with accessories
051127	Self-locking cable suspender (2 pcs)
053630	Plastic mounting bracket – bright grey (1 pc)
053629	Plastic mounting bracket – dark grey (1 pc)
053628	Stainless steel mounting bracket (1 pc)

- 053629, 053630, 053628



051127+053629 or 053630

Suspension via self-locking cable suspender



051106+053629 or 053630

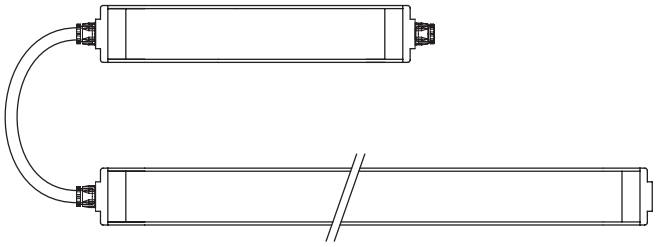
Suspension via suspension brackets

2x T16

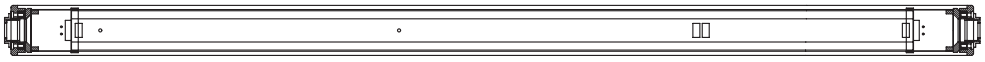
Modification on request:

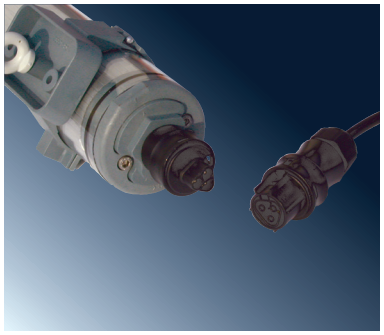
1) Combined version - multisource

2) With separate ballast part



3) With emergency unit – **NECESSARY TO CONSULT WITH PRODUCER**
– for non-maintained emergency lighting – AQUA-Em
– for maintained emergency lighting – MULTIAQUA-I

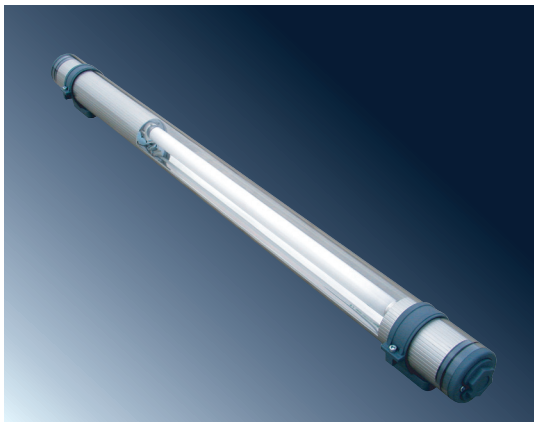




GESIS – light fixture equipped with connectors

AQUA – II

IP 68



Application: AQUA-II dustproof and waterproof light fixture made in insulation class II with resistance against water jets and immersion in 20 m is designed for lighting in the car wash, chemical industry, water tanks, timber industry, swimming pools and all outdoor areas.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

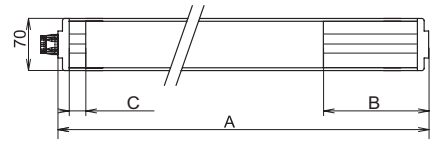
Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

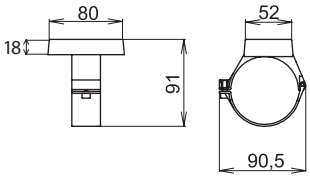
Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

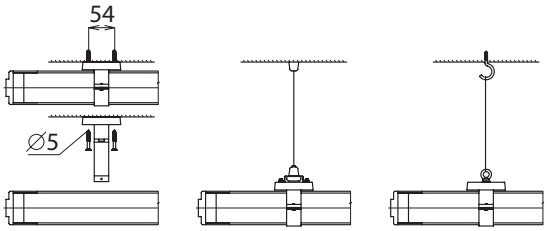
Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection, with separate ballast part or multisource combined version
GESIS – possibility to equip light fixtures with connectors



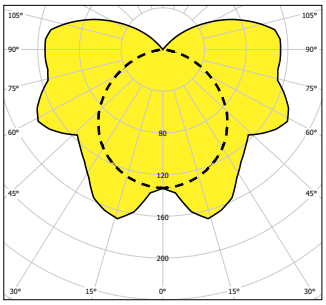
1xT16 2xT16, 1xT26





2xT16, 1xT26 051106

AQUA-II, 1x36W, IP68



—— C0-C180 - - - - C90-C270

– 053629, 053630, 053628

			A (mm)	B (mm)	C (mm)
– inductive ballast					
83762	AQUA-II-118-K, 1x18 W	T26/G13	1182	255	240
83763	AQUA-II-136-K, 1x36 W		1772	255	240
			A (mm)	B (mm)	C (mm)
– electronic ballast					
083750	AQUA-II-106-EP, 1x6W	T16/G5	446	80	80
083751	AQUA-II-108-EP, 1x8W		522	80	80
083753	AQUA-II-113-EP, 1x13W		751	80	80
083754	AQUA-II-114-EP, 1x14W		783	80	80
083755	AQUA-II-124-EP, 1x24W		783	80	80
083780	AQUA-II-214-EP, 2x14W		1139	45	80
083781	AQUA-II-224-EP, 2x24W		1139	45	80
083756	AQUA-II-121-EP, 1x21W		1083	80	80
083757	AQUA-II-139-EP, 1x39W		1083	80	80
083782	AQUA-II-221-EP, 2x21W		1439	45	80
083783	AQUA-II-239-EP, 2x39W		1439	45	80
083758	AQUA-II-128-EP, 1x28W		1383	80	80
083759	AQUA-II-154-EP, 1x54W		1383	80	80
083784	AQUA-II-228-EP, 2x28W		1740	45	80
083785	AQUA-II-254-EP, 2x54W		1740	45	80
083760	AQUA-II-135-EP, 1x35W		1687	80	80
083786	AQUA-II-235, 2x35W		2039	45	80
083787	AQUA-II-280, 2x80W		2104	80	513
			A (mm)	B (mm)	C (mm)
–electronic ballast					
083765	AQUA-II-118-EP, 1x18W	T26/G13	1083	65	357
083766	AQUA-II-136-EP, 1x36W		1683	65	357
083767	AQUA-II-158-EP, 1x58W		1966	65	330

– special accessories

051106	Plastic suspension bracket with accessories
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket
053630	Plastic mounting bracket – bright grey (1 pc)
053629	Plastic mounting bracket – dark grey (1 pc)
053628	Stainless steel mounting bracket (1 pc)

Modification on request:
1) Combined version - multisource
2) With separate ballast part

AQUA – 40

IP 65

Application: AQUA-40 dustproof light fixture with resistance against water jets is designed for lighting corridors, workshops, cellars, bridge and garages.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

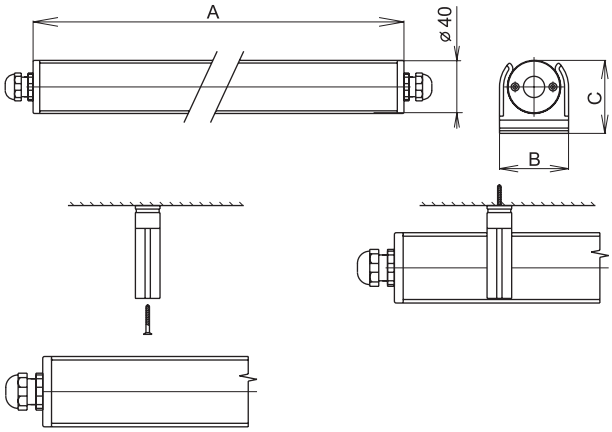
Body: Plastic tube with outer diameter of 40 mm and wall thickness of 1,5 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes.

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or with two plastic clips ECLIP 40

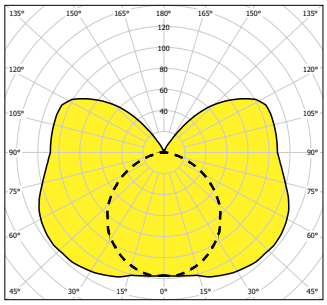
Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
1F/3F – one or three phase through-wiring connection



			AxBxC (mm)
– electronic ballast			
053640	AQUA-40-106-EP, 1x6W		588 x 52 x 56
053641	AQUA-40-108-EP, 1x8W		665 x 52 x 56
053642	AQUA-40-113-EP, 1x13W		895 x 52 x 56
053643	AQUA-40-114-EP, 1x14W		1135 x 52 x 56
053644	AQUA-40-124-EP, 1x24W	T16/G5	1135 x 52 x 56
053645	AQUA-40-121-EP, 1x21W		1435 x 52 x 56
053646	AQUA-40-139-EP, 1x39W		1435 x 52 x 56
053647	AQUA-40-128-EP, 1x28W		1735 x 52 x 56
053648	AQUA-40-154-EP, 1x54W		1735 x 52 x 56
–special accessories			
003597	Plastic clip ECLIP 40		

AQUA-40, 1x24W, IP65



—— C0-C180 - - - - C90-C270

MASTIF

IP 54

Application: MASTIF light fixture with resistance against dust and water jets is designed for lighting assembly halls, paint shops, welding shops and control centers.

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

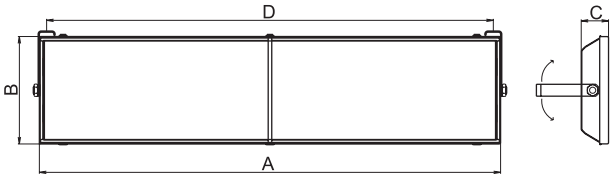
Reflector: Highly polished aluminium sheet

Fastening: Using rotary arms fastened to the wall or ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

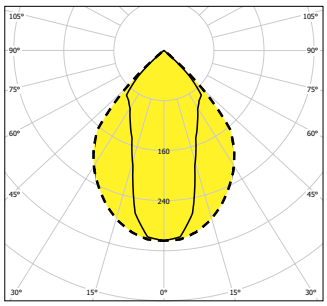
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs rotary arm

On request: Em – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
NEREZ – body from stainless steel metal sheet



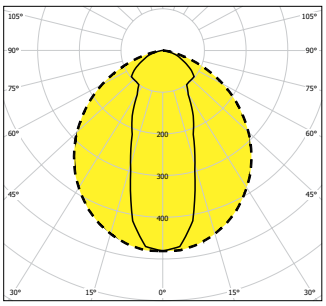
			A×B×C×D (mm)
– inductive ballast			
050101	MASTIF-218-K, 2x18 W		645 x 362 x 90 x 595
050102	MASTIF-136-K, 1x36 W		1255 x 188 x 110 x 1205
050103	MASTIF-236-K, 2x36 W	T26/G13	1255 x 362 x 90 x 1205
050104	MASTIF-158-K, 1x58 W		1555 x 188 x 110 x 1505
050105	MASTIF-258-K, 2x58 W		1555 x 362 x 90 x 1505
– electronic ballast			
050118	MASTIF-218-EP, 2x18 W		645 x 362 x 90 x 595
050115	MASTIF-136-EP, 1x36 W		1255 x 188 x 110 x 1205
050116	MASTIF-236-EP, 2x36 W	T26/G13	1255 x 362 x 90 x 1205
050113	MASTIF-158-EP, 1x58 W		1555 x 188 x 110 x 1505
050114	MASTIF-258-EP, 2x58 W		1555 x 362 x 90 x 1505
– special accessories			
050131	Parabolic louvre 2x18W		
050132	Parabolic louvre 1x36W		
050133	Parabolic louvre 2x36W		
050134	Parabolic louvre 1x58W		
050135	Parabolic louvre 2x58W		

MASTIF, 2x58W-parabolic louvre, IP54



—— C0-C180 - - - - C90-C270

MASTIF, 2x58W, IP54



—— C0-C180 - - - - C90-C270

DOGA

IP 54

Application: DOGA light fixture with resistance against dust and water jets is designed for lighting assembly halls, paint shops and welding shops. Light fitting is specially designed for control centers.

Ballast: DIM – dimmable electronic ballast (1-10V), 220-240V/50Hz AC, 220 -240V DC

Body: White painted metal sheet RAL9003

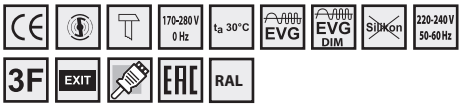
Cover: white painted metal sheet frame with tempered safety glass, cover strips and denticular plexiglass

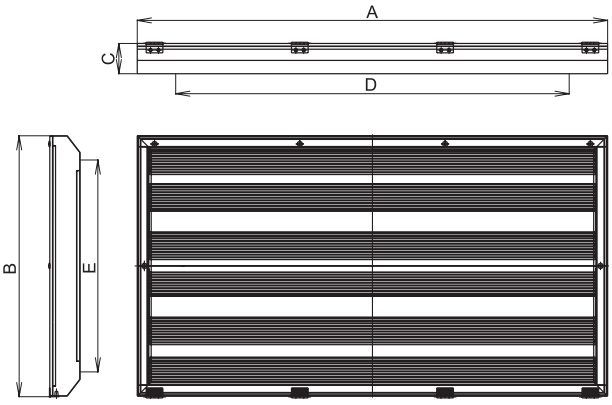
Reflector: Highly polished aluminium sheet

Fastening: Mounting on the supporting structure by means of welded bolts

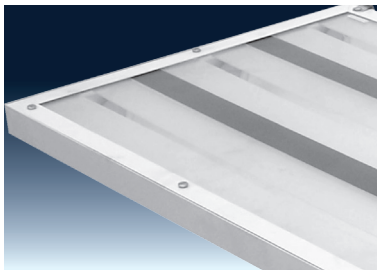
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

On request: Em – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection
RAL – another colour finnishing
GESIS – possibility to equip light fixtures with connectors

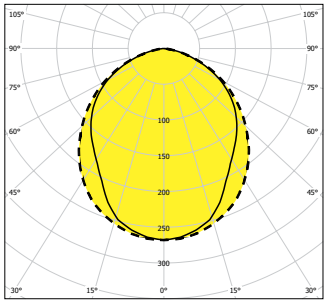




			AxBxCxDxE (mm)
– dimmable electronic ballast 1-10V			
050151	DOGA-336-EP-DIM, 3x36 W	T26/G13	1255 x 860 x 100 x 1256 x 700
050150	DOGA-358-EP-DIM, 3x58 W		1556 x 860 x 100 x 1300 x 700



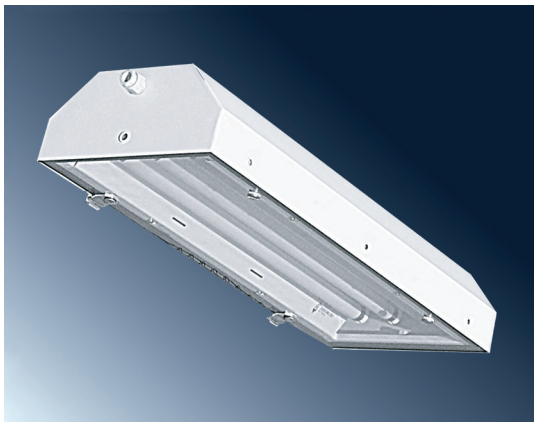
DOGA, 3x36W, IP54



C0-C180 - - - - C90-C270

PITBUL – I

IP 65



Application: PITBUL-I dustproof light fixture with resistance against water jets is designed for lighting workshops, warehouses, assembly halls and areas with presence of aggressive substances (i.e. oils, fats).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: White painted metal sheet RAL9003

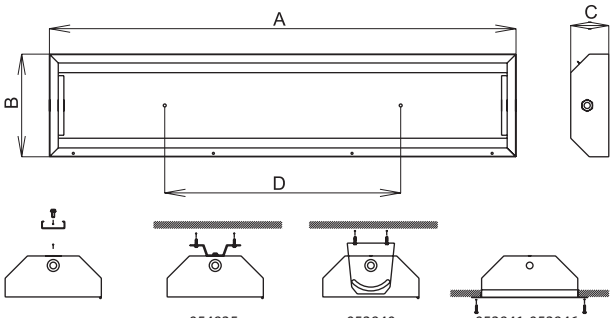
Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: **AR** – light fitting equipped with reflector from aluminiium metal sheet
Em – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
1F/3F – one or three phase through-wiring connection
RAL – another colour finnishing
GESIS – possibility to equip light fixtures with connectors
NEREZ – body from stainless steel sheet



054935 053940 053941-053946

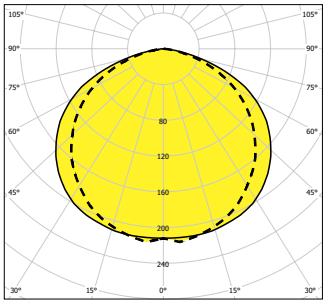
			A×B×C×D (mm)
– electronic ballast			
053915	PITBUL-I-118-EP, 1x18W	T26/G13	701 x 302 x 130 x 450
053916	PITBUL-I-218-EP, 2x18W		701 x 302 x 130 x 450
053917	PITBUL-I-318-EP, 3x18W		701 x 302 x 130 x 450
053918	PITBUL-I-418-EP, 4x18W		701 x 362 x 130 x 450
053919	PITBUL-I-136-EP, 1x36W		1312 x 302 x 130 x 800
053920	PITBUL-I-236-EP, 2x36W		1312 x 302 x 130 x 800
053921	PITBUL-I-336-EP, 3x36W		1312 x 302 x 130 x 800
053922	PITBUL-I-436-EP, 4x36W		1312 x 362 x 130 x 800
053923	PITBUL-I-158-EP, 1x58W		1611 x 302 x 130 x 1100
053924	PITBUL-I-258-EP, 2x58W		1611 x 302 x 130 x 1100
053925	PITBUL-I-358-EP, 3x58W		1611 x 302 x 130 x 1100
053926	PITBUL-I-458-EP, 4x58W		1611 x 362 x 130 x 1100

			A×B×C×D (mm)
– electronic ballast			
056200	PITBUL-I-228-EP, 2x28W	T16/G5	1312 x 302 x 130 x 800
056201	PITBUL-I-328-EP, 3x28W		1312 x 302 x 130 x 800
056202	PITBUL-I-428-EP, 4x28W		1312 x 362 x 130 x 800
056203	PITBUL-I-254-EP, 2x54W		1312 x 302 x 130 x 800
056204	PITBUL-I-354-EP, 3x54W		1312 x 302 x 130 x 800
056205	PITBUL-I-454-EP, 4x54W		1312 x 362 x 130 x 800
056206	PITBUL-I-235-EP, 2x35W		1611 x 302 x 130 x 1100
056207	PITBUL-I-335-EP, 3x35W		1611 x 302 x 130 x 1100
056208	PITBUL-I-435-EP, 4x35W		1611 x 362 x 130 x 1100
056209	PITBUL-I-249-EP, 2x49W		1611 x 302 x 130 x 1100
056210	PITBUL-I-349-EP, 3x49W		1611 x 302 x 130 x 1100
056211	PITBUL-I-449-EP, 4x49W		1611 x 362 x 130 x 1100
056212	PITBUL-I-280-EP, 2x80W		1611 x 302 x 130 x 1100
056213	PITBUL-I-380-EP, 3x80W		1611 x 302 x 130 x 1100
056214	PITBUL-I-480-EP, 4x80W		1611 x 362 x 130 x 1100
– PITBUL-ENDURA			
053930	PITBUL-ENDURA, 1x70 W		701 x 302 x 130 x 450
053931	PITBUL-ENDURA, 1x100 W		701 x 302 x 130 x 450
053932	PITBUL-ENDURA, 1x150 W		701 x 302 x 130 x 450

–special accessories

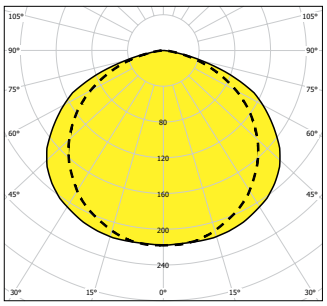
053940	Set of bracket grips with accessory (2 pcs)
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)
053943	Recessed frame 1/2/3x36W – 384,4 x1385 mm (mounting hole 323 x 1353 mm)
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)
054935	Set of stainless steel ceiling brackets (2 pcs)
004642	Suspension bracket M8 (1 pc)
051146	Pole bracket for Ø50 mm

PITBUL-I, 4x58W, IP65

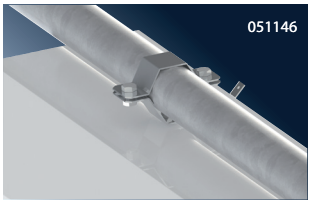


—— C0-C180 - - - - C90-C270

PITBUL-I, 2x36W, IP65



—— C0-C180 - - - - C90-C270



FILA – I

IP 65

Application: FILA-I recessed dustproof light fixture with resistance against water jets is designed for lighting workshops, assembly lines and areas with presence of aggressive substances (i.e. oils, fats).

BALLAST: K – ELECTROMAGNETIC BALLAST 230V/50HZ, WITH PARALLEL COMPENSATION
EP – ELECTRONIC BALLAST 220-240V/50-60HZ AC/DC

Body: White painted metal sheet RAL9003

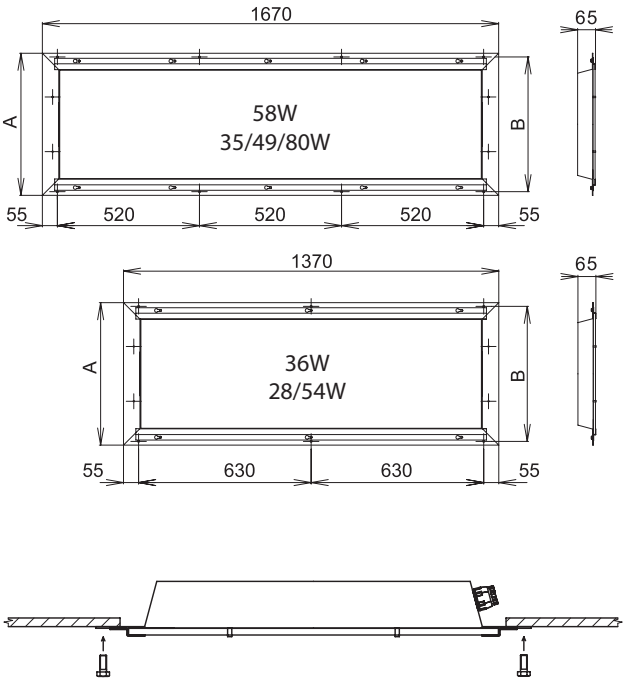
Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening to the false ceiling on the wall (care must be taken on a sufficiently rigid carrier substrate)

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²

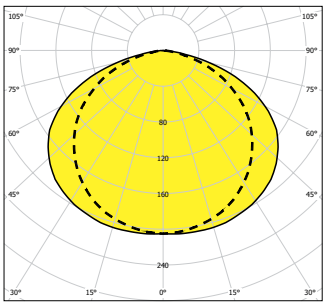
On request: Em – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
1F/3F – one or three phase through-wiring connection
RAL – another colour finnishing
GESIS – possibility to equip light fixtures with connectors
NEREZ – body from stainless steel sheet



– inductive ballast				
053969	FILA-I-236-K, 2x36 W	T26/G13	380 x 360	1250 x 332
053968	FILA-I-258-K, 2x58 W		380 x 360	1550 x 332
053963	FILA-I-336-K, 3x36 W		530 x 510	1250 x 482
053962	FILA-I-436-K, 4x36 W		530 x 510	1250 x 482
053961	FILA-I-358-K, 3x58 W		530 x 510	1550 x 482
053960	FILA-I-458-K, 4x58 W		530 x 510	1550 x 482
– electronic ballast				
053971	FILA-I-236-EP, 2x36 W	T26/G13	380 x 360	1250 x 332
053970	FILA-I-258-EP, 2x58 W		380 x 360	1550 x 332
053967	FILA-I-336-EP, 3x36 W		530 x 510	1250 x 482
053966	FILA-I-436-EP, 4x36 W		530 x 510	1250 x 482
053965	FILA-I-358-EP, 3x58 W		530 x 510	1550 x 482
053964	FILA-I-458-EP, 4x58 W		530 x 510	1550 x 482
– electronic ballast				
056080	FILA-I-328-EP, 3x28 W	T16/G5	530 x 510	1250 x 482
056081	FILA-I-428-EP, 4x28 W		530 x 510	1250 x 482
056082	FILA-I-354-EP, 3x54 W		530 x 510	1250 x 482
056083	FILA-I-454-EP, 4x54 W		530 x 510	1250 x 482
056084	FILA-I-335-EP, 3x35 W		530 x 510	1550 x 482
056085	FILA-I-435-EP, 4x35 W		530 x 510	1550 x 482
056086	FILA-I-349-EP, 3x49 W		530 x 510	1550 x 482
056087	FILA-I-449-EP, 4x49 W		530 x 510	1550 x 482
056088	FILA-I-380-EP, 3x80 W		530 x 510	1550 x 482
056089	FILA-I-480-EP, 4x80 W		530 x 510	1550 x 482
–special accessories				
008029	Cable gland PG 13,5 with nut, RAL7004			
008501	M20 sealing plug, grey, incl. gasket and nut			

* Dimensions of mounting hole

FILA-I, 4x58W, IP65



—— C0-C180 - - - - C90-C270

LIGHTING FIXTURES FOR EXTREME AMBIENT TEMPERATURES

EXTREME – PLUS/MÍNUS

IP 65

Application: EXTREME-PLUS light fixture is designed for lighting areas with maximum ambient temperature +75°C. EXTREME-MINUS light fixture is designed for lighting areas with minimum ambiente temperature -40°C

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation
/ – electromagnetic ballast 230V/50Hz, without parallel compensation

Body: Aluminium alloy with eloxal coating finish of surface, plastic sides from PC (polycarbonate) at the ends of body, chemical resistance – see page 178

Cover: Tempered safety glass

Reflector: Highly polished aluminium sheet

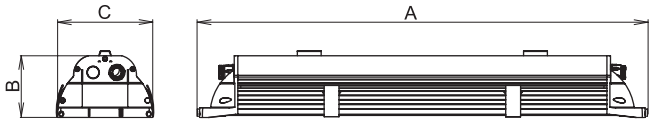
Fastening: Fastening on ceiling or wall by means of two adjustable brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs adjustable bracket

On request: 1F/3F – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors

-40°C≤ t_a ≤75°C | 230 V 50 Hz | KVG | 1F | 3F



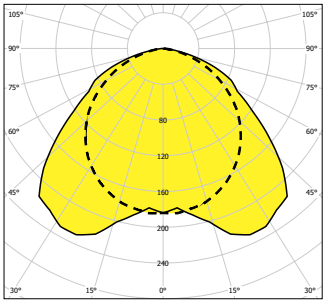
– inductive ballast – t_a 75°C			
054446	EXTREME-PLUS-218-K, 2x18W	T26/G13	720 x 105 x 165
054449	EXTREME-PLUS-118-K, 1x18W		720 x 105 x 165
054450	EXTREME-PLUS-136-K, 1x36 W		1320 x 105 x 165
054451	EXTREME-PLUS-236-K, 2x36 W		1320 x 105 x 165
054452	EXTREME-PLUS-158-K, 1x58 W		1620 x 105 x 165
054453	EXTREME-PLUS-258-K, 2x58 W		1620 x 105 x 165

– inductive ballast – t_a ≥ -40°C			
054448	EXTREME-MINUS-118, 1x18W	T26/G13	720 x 105 x 165
054447	EXTREME-MINUS-218, 2x18W		720 x 105 x 165
054454	EXTREME-MÍNUS-136, 1x36 W		1320 x 105 x 165
054455	EXTREME-MÍNUS-236, 2x36 W		1320 x 105 x 165
054456	EXTREME-MÍNUS-158, 1x58 W		1620 x 105 x 165
054457	EXTREME-MÍNUS-258, 2x58 W		1620 x 105 x 165

– special accessories

008029	Cable gland PG 13,5 with nut, RAL7004
008501	M20 sealing plug, grey, incl. gasket and nut

EXTREME-PLUS, 2x36W, IP65

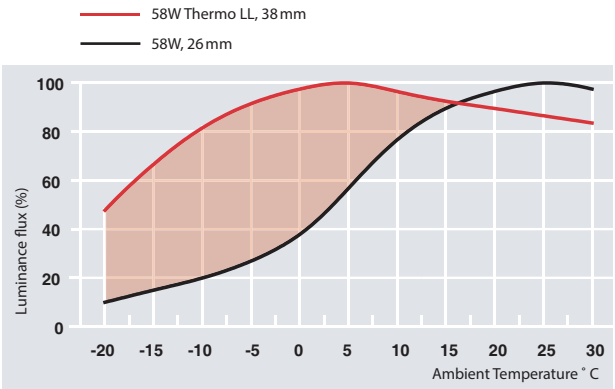


—— C0-C180 - - - - C90-C270

Light fixtures are impossible to equip with emergency modul

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade.

ČVUT – Faculty of Electrical Engineering cooperated on this project.



SALUKA – T60/FROST

IP 66

Application: SALUKA-T60 light fixture is designed for lighting areas with maximum ambient temperature65°C. SALUKA-FROST light fixture is designed for lighting areas with minimum ambiente temperature -40°C.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
/ – electromagnetic ballast 230V/50Hz, without parallel compensation

Body: White painted metal sheet RAL 9001

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of steel suspension brackets with chain

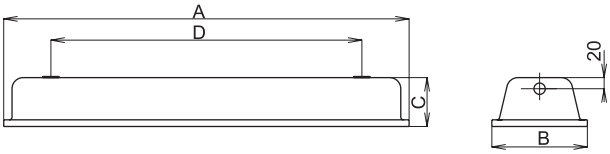
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment – SALUKA-T60: 2 pcs M20 cable gland, 1 pc sealing plug, 2 pcs rubber sealing, 2 pcs washer, 4 pcs M6 nut, 1 or 2 pcs St111 starter

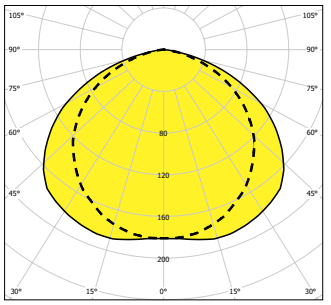
Standard equipment – SALUKA-FROST: 2 pcs M20 brass cable gland, 1 pc brass sealing plug, 2 pcs rubber sealing, 2 pcs washer, 4 pcs M6 nut, pulse starter, AURA tubes 18W/840, 36W/840 or 58W/840 according to the type

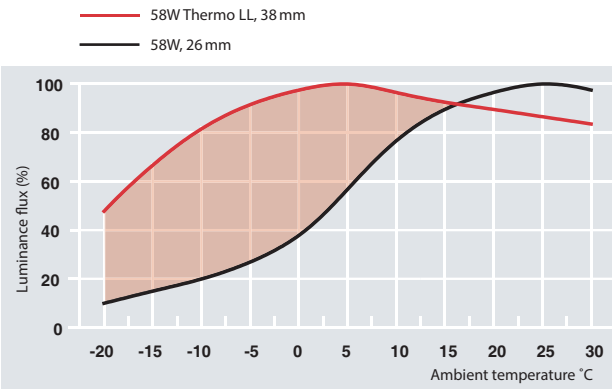
On request: **1F/3F** – one or three phase through-wiring connection
NEREZ – body from stainless steel metal sheet
GESIS – possibility to equip light fixtures with connectors

-40°C≤ t_a ≤ 60°C | 230 V 50 Hz | KVG | 1F | 3F



SALUKA, 2x36W, IP66





– inductive ballast – t_a 60°C			
054296	SALUKA-T60-118-K, 1x18W	T26/G13	705 x 192 x 90 x 560
054292	SALUKA-T60-218-K, 2x18W		705 x 192 x 90 x 560
054318	SALUKA-T60-136-K, 1x36 W		1305 x 192 x 90 x 1160
054319	SALUKA-T60-236-K, 2x36 W		1305 x 192 x 90 x 1160
054320	SALUKA -T60-158-K, 1x58 W		1605 x 192 x 90 x 1400
054321	SALUKA-T60-258-K, 2x58 W		1605 x 192 x 90 x 1400
– inductive ballast – $t_a \geq$ -40°C			
054581	SALUKA-FROST-118, 1x18W	T26/G13	705 x 192 x 90 x 560
054580	SALUKA-FROST-218, 2x18W		705 x 192 x 90 x 560
054322	SALUKA-FROST-136, 1x36 W		1305 x 192 x 90 x 1160
054323	SALUKA-FROST-236, 2x36 W		1305 x 192 x 90 x 1160
054324	SALUKA -FROST-158, 1x58 W		1605 x 192 x 90 x 1400
054325	SALUKA-FROST-258, 2x58 W		1605 x 192 x 90 x 1400
–special accesories			
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)		
001995	Reflector AR – 2x36W deep radiant		
001996	Reflector AR – 2x58W deep radiant		
051145	Pole bracket (50 mm diameter)		
– special accesories for SALUKA-T60			
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
005039	Starter up to 100°C		
– special accesories for SALUKA-FROST			
008075	Brass cable gland M20x1,5		
008076	Brass nut M20x1,5		
008079	Brass sealing plug M20		
008080	Gasket for brass sealing plug and cable gland		
005037	Pulse starter		

Light fixtures are impossible to equip with emergency modul

MASTIF – T70

IP 54

Application: MASTIF-T70 light fixture is designed for lighting areas with ambient temperature 70°C. .

Ballast: K – electromagnetic ballast 230V/50Hz, with parallel compensation

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: Highly polished aluminium sheet

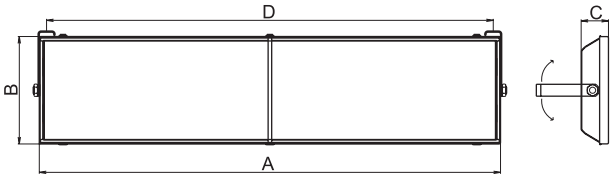
Fastening: Using rotary arms fastened to the wall or ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs rotary arm

On request: **1F/3F** – one or three phase through-wiring connection
RAL – another colour finnishing
NEREZ – body from stainless steel metal sheet

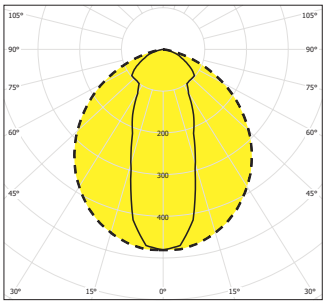
t_a 70°C | 230 V 50 Hz | KVG | 1F | 3F



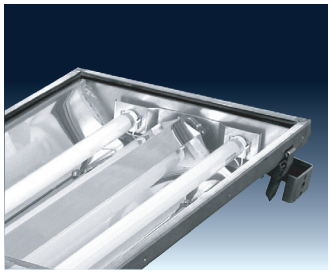
			A×B×C×D (mm)
–inductive ballast			
050110	MASTIF – T70-218-K, 2x18 W	T26/G13	640 x 365 x 90 x 595
050111	MASTIF – T70-236-K, 2x36 W		1250 x 365 x 90 x 1205
050112	MASTIF – T70-258-K, 2x58 W		1550 x 365 x 90 x 1505
– special accesories			
008006	Cable gland M20		
008027	Safety nut M20		
008501	M20 sealing plug, grey, incl. gasket and nut		

Light fixtures are impossible to equip with emergency modul

MASTIF-T70, 2x36W, IP54



—— C0-C180 - - - - C90-C270



V – T60

IP 65

Application: V-T60 light fixture is designed for lighting areas with ambient temperature 60°C.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
/ – electromagnetic ballast 230V/50Hz, without parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198V DC)

Body: Plastic material GPR (polystyr filled with fibreglass), grey colour RAL7035

Cover: Plastic material SAN (styrene-acrylonitrile), transparent colour

Reflector: White painted metal sheet RAL 9003

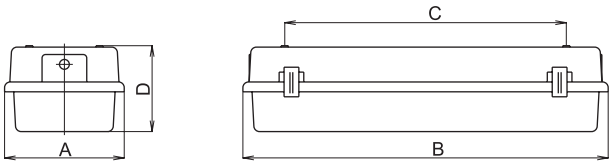
Fastening: Direct fastening on ceiling or wall lighted area or suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

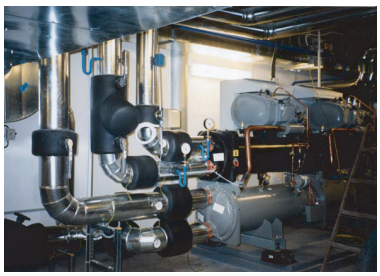
On request: **1F/3F** – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors

t_a 60°C | 230 V 50 Hz | UV STABIL | KVG | 1F | 3F | IK 8

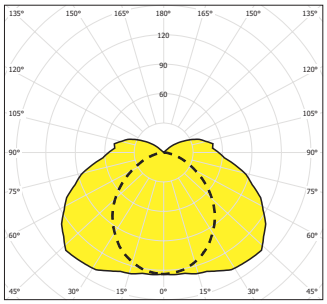


			AxBxCxD (mm)
– inductive ballast			
050047	2V18-T60-218, 2x18W	T26/G13	170 x 675 x 233 x 108
050014	2V36-T60-236, 2x36W		170 x 1275 x 838 x 108
050016	2V58-T60-258, 2x58W		170 x 1575 x 1138 x 108
050048	2V18-T60-218-K,2x18W		170 x 675 x 233
050015	2V36-T60-236-K, 2x36W		170 x 1275 x 838 x 108
050017	2V58-T60-258-K, 2x58W		170 x 1575 x 1138 x 108
– electronic ballast			
050018	2V36-T60-236-EP, 2x36W	T26/G13	170 x 1275 x 838 x 108
050019	2V58-T60-258-EP, 2x58W		170x1575x1138x108
– special accesories			
051106	Plastic suspension bracket with accessories		
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
051101	Accessories for 3-phase through-wiring connection 2V36		
051103	Accessories for 3-phase through-wiring connection 2V58		

Light fixtures are impossible to equip with emergency modul



2V36-T60, 2x36W, IP65

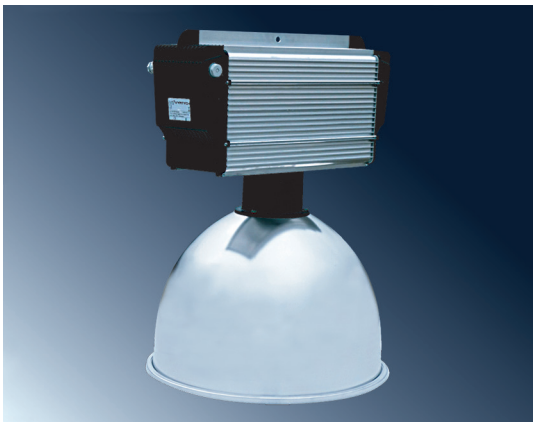


—— C0-C180 - - - - C90-C270

VYRTYCH

GOLIÁŠ – T60

IP 23, IP 54



Application: GOLIÁŠ-T60 light fixture is designed for lighting interior areas with ambient temperature 60°C.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Alluminium profiles with plastic sides from ABS (acrylonitrile-butadiene-styrene) at the ends, chemical resistance (see page 178)

Reflector: Parabolic aluminium reflector (on request)

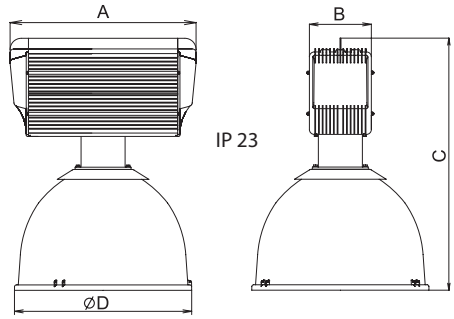
Cover: Tempered safety glass (only IP54 finishing)

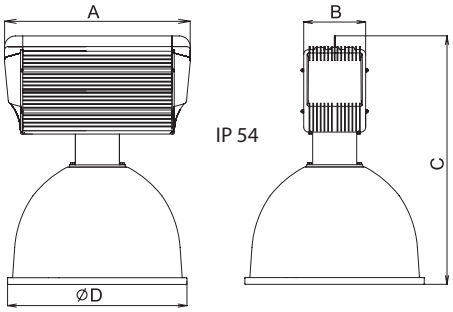
Fastening: Suspension by means of wire, chain or carrier rope

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: GESIS – possibility to equip light fixtures with connectors





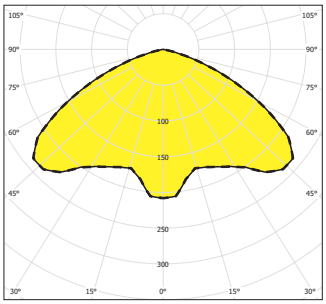
			AxBxCxD (mm)
–inductive ballast IP 23			
053334	GOLIÁŠ-T60-250S, 1x250W	HSE/E40	510 x 166 x 665 x 475
053336	GOLIÁŠ-T60-250R, 1x250W	HME/E40	510 x 166 x 665 x 475
053338	GOLIÁŠ-T60-250H, IP23, 3,0A, 1x250W	HIE/E40	510 x 166 x 665 x 475
053335	GOLIÁŠ-T60-400S, 1x400W	HSE/E40	510 x 166 x 665 x 475
053337	GOLIÁŠ-T60-400R, 1x400W	HME/E40	510 x 166 x 665 x 475
053339	GOLIÁŠ-T60-400H, IP23, 4,2A, 1x400W	HIE/E40	510 x 166 x 665 x 475
–special accesories			
002473	GOLIÁŠ – parabolic aluminium reflector		

			AxBxCxD (mm)
–inductive ballast IP 54			
053345	GOLIÁŠ-T60-250S, 1x250W	HSE/E40	510 x 166 x 665 x 475
053347	GOLIÁŠ-T60-250H, IP54, 3,0A, 1x250W	HIE/E40	510 x 166 x 665 x 475
053346	GOLIÁŠ-T60-400S, 1x400W	HSE/E40	510 x 166 x 665 x 475
053348	GOLIÁŠ-T60-400H, IP54, 4,2A, 1x400W	HIE/E40	510 x 166 x 665 x 475
– special accesories			
002473	GOLIÁŠ – parabolic aluminium reflector		
002474	Protective glass		

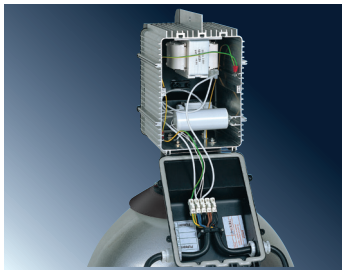
Marking:
S –high pressure sodium discharge lamp, **H** – metal halide lampa
R – high pressure mercury lamp

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

GOLIÁŠ-T60, 1x400W, IP23

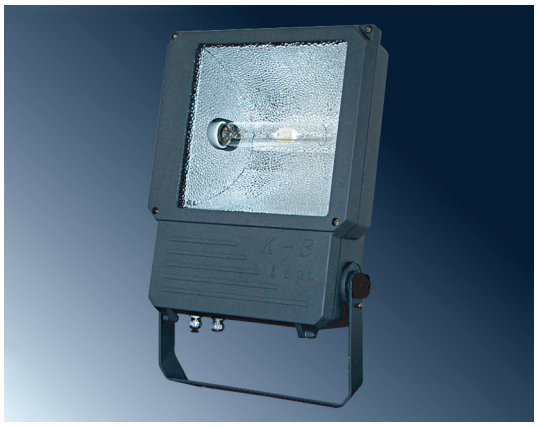


—— C0-C180 - - - - C90-C270



K – 3 – T60

IP 65



Application: K-3-T60 light fixture is designed for lighting interior areas with ambient temperature 60°C.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Alluminium casting

Cover: Tempered safety glass

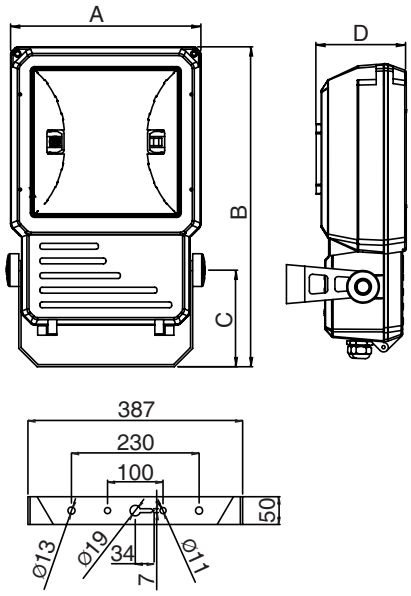
Reflector: Aluminium hammer plate, anodized surface

Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm^2; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland

230 V 50 Hz | t_a 60°C | KVG | IK 8

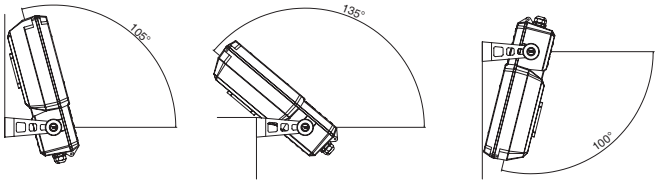


			AxBxCxD (mm)
K-3			
054544	K-3-150S-T60-SYM, 1x150W	HST/E40	452 x 660 x 218 x 180
054545	K-3-150S-T60-ASYM, 1x150W		452 x 660 x 218 x 180
054546	K-3-150H-T60-SYM, 1x150W	HIT/E40	452 x 660 x 218 x 180
054547	K-3-150H-T60-ASYM, 1x150W		452 x 660 x 218 x 180

S –high pressure sodium discharge lamp, **H** – metal halide lamp

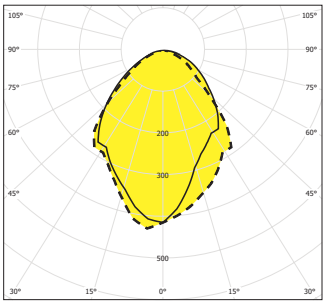
THE LIGHT FIXTURES WITH E40 LAMPHOLDER CAN BE USED WITH TUBULAR LAMPS

Permissible positions during operation of light fi xture



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com.

K-3-T60-400H-S, 1x400W



—— C0-C180 - - - - C90-C270

VYRTYCH

LIGHTING FIXTURES FOR HIGH RISK OF DAMAGE

GALGO

IP 65

Application: GALGO light fixture with dust and water jets resistance is designed for areas with high risk of damage , i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC

Body: White painted metal sheet RAL 9003

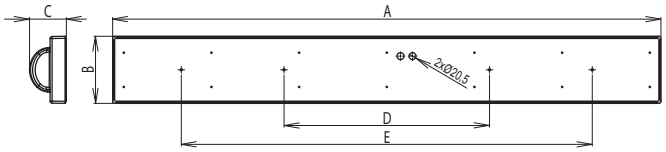
Cover: Plastic material PC (polycarbonate), impact resistance - 100J

Fastening: Direct fastening on ceiling or wall lighted area

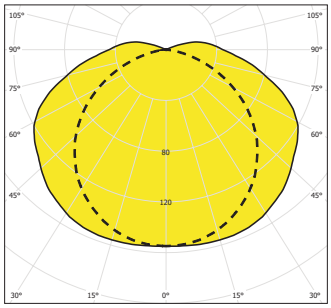
Connection: Screwless terminal block for outside easy installation, max. diameter of wires 2,5 mm^2; light fixture is ready to connect two wires

On request:
Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing

ANTIVANDAL



GALGO, 2x58W, IP65



– electronic ballast			
51700	GALGO-118-EP, 1x18W	T26/G13	690 x 196 x 108 x 480
51701	GALGO-218-EP, 2x18W		690 x 196 x 108 x 480
51702	GALGO-136-EP, 1x36W		1300 x 196 x 108 x 360 x 1100
51703	GALGO-236-EP, 2x36W		1300 x 196 x 108 x 360 x 1100
51704	GALGO-158-EP, 1x58W		1600 x 196 x 108 x 600 x 1200
51705	GALGO-258-EP, 2x58W		1600 x 196 x 108 x 600 x 1200

– electronic ballast			
51710	GALGO-114-EP, 1x14W	T16/G5	690 x 196 x 108 x 480
51711	GALGO-124-EP, 1x24W		690 x 196 x 108 x 480
51712	GALGO-214-EP, 2x14W		690 x 196 x 108 x 480
51713	GALGO-224-EP, 2x24W		690 x 196 x 108 x 480
51714	GALGO-128-EP, 1x28W		1300 x 196 x 108 x 360 x 1100
51715	GALGO-154-EP, 1x54W		1300 x 196 x 108 x 360 x 1100
51716	GALGO-228-EP, 2x28W		1300 x 196 x 108 x 360 x 1100
51717	GALGO-254-EP, 2x54W		1300 x 196 x 108 x 360 x 1100
51718	GALGO-135-EP, 1x35W		1600 x 196 x 108 x 600 x 1200
51719	GALGO-149-EP, 1x49W		1600 x 196 x 108 x 600 x 1200
51720	GALGO-180-EP, 1x80W		1600 x 196 x 108 x 600 x 1200
51721	GALGO-235-EP, 2x35W		1600 x 196 x 108 x 600 x 1200
51722	GALGO-249-EP, 2x49W		1600 x 196 x 108 x 600 x 1200
51723	GALGO-280-EP, 2x80W		1600 x 196 x 108 x 600 x 1200

CLUMBER

IP 54

Application: CLUMBER light fixture with dust and water jets resistance is designed for areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate)

Reflector: Highly polished aluminium sheet

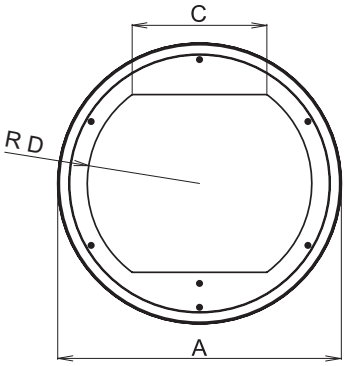
Fastening: Direct fastening on ceiling or wall lighted area

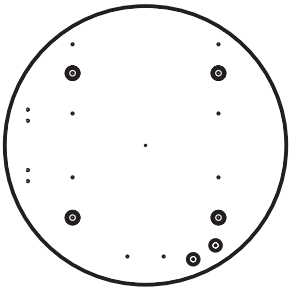
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

On request:
Em – non-maintained emergency lighting /version only with 1 pc light source)
RAL – another colour finnishing
SKLO – tempered safety glass
MULTI – maintained emergency lighting (1 h, 3 h) – see page 155

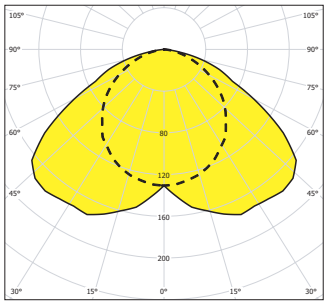
170-280 V 0 Hz | t_a 40°C | EVG | t_s 30°C | EXIT | 220-240 V 50-60 Hz | UV STABIL | RAL | EAC | IK 10





			AxB (mm)
– electronic ballast			
053605	CLUMBER1-224-EP, 2x24W, 2G11	TC-L/2G11	505 x 66 x 240 x 200
053606	CLUMBER1-136-EP, 1x36W, 2G11		505 x 66 x 240 x 200
053607	CLUMBER1-236-EP, 2x36W, 2G11		505 x 66 x 240 x 200
053608	CLUMBER1 -224-EP, 2x24W, 2G10	TC-F/2G10	505 x 66 x 240 x 200
053609	CLUMBER1 -236-EP, 2x36W, 2G10		505 x 66 x 240 x 200
053610	CLUMBER1-140-EP, 1x40W, 2Gx13	T16-R/ 2Gx13	505 x 66 x 240 x 200
053611	CLUMBER1-155-EP, 1x55W, 2Gx13		505 x 66 x 240 x 200
– electronic ballast			
53612	CLUMBER2-218-EP, 2x18W, 2G11	TC-L/2G11	370x66x160x133
53613	CLUMBER2-122-EP, 1x22W, 2Gx13	T16-R/2Gx13	370x66x160x133
– special accesories			
004579	TORX security screw M5x12		
004586	BIT25 tool for screw M5x12		

CLUMBER-236-TC-L, IP 54



—— C0-C180 - - - - C90-C270

ANTIVANDAL

BOXER

IP 64

Application: BOXER light fixture with dust and water jets resistance is designed for areas with high risk of damage , i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate), transparent colour

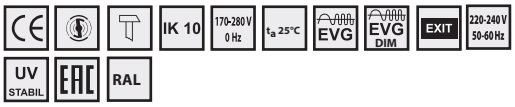
Reflector: Highly polished aluminium sheet

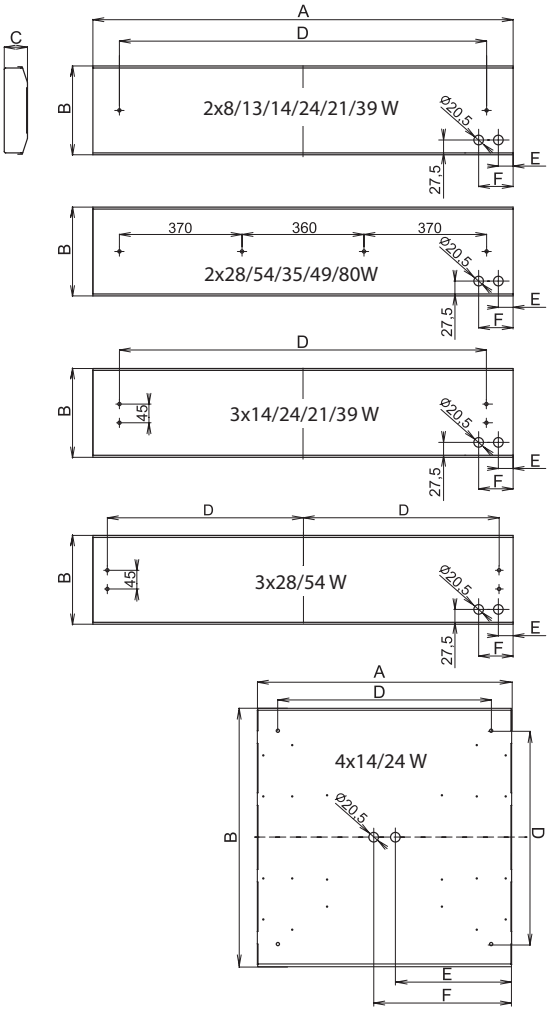
Fastening: Direct fastening on ceiling or wall lighted area, with recessed frame or set for fastening to the corner

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm2; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

On request:
Em – non-maintained emergency lighting /version only with 1 pc light source)
MULTI – maintained emergency lighting (1 h, 3 h) – see page 155
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing
NEREZ – body from stainless steel sheet
GLASS – hardenes safety glass
AS – assymetric reflector





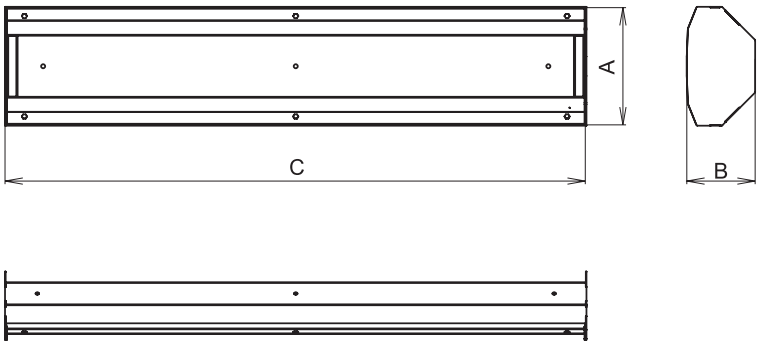
– electronic ballast					
053450	BOXER-208-EP, 2x8W	T16/G5	366 x 184 x 56 x 222	31,5	-
053451	BOXER-213-EP, 2x13W		564 x 184 x 56 x 450	31,5	45
053430	BOXER-114-EP, 1x14W		596 x 184 x 56 x 480		
053452	BOXER-214-EP, 2x14W		596 x 184 x 56 x 480	27	80
053420	BOXER-314-EP, 3x14W		596 x 234 x 56 x 480	27	
053426	BOXER-414-EP, 4x14W		624 x 624 x 56 x 520	284	337
053431	BOXER-124-EP, 1x24W		596 x 184 x 56 x 480		
053453	BOXER-224-EP, 2x24W		596 x 184 x 56 x 480	27	80
053421	BOXER-324-EP, 3x24W		596 x 234 x 56 x 480	27	80
053427	BOXER-424-EP, 4x24W		624 x 624 x 56 x 520	284	337
053432	BOXER-121-EP, 1x21W		896 x 184 x 56 x 480		
053454	BOXER-221-EP, 2x21W		896 x 184 x 56 x 782	31,5	84,5
053422	BOXER-321-EP, 3x21W		896 x 234 x 56 x 782	31,5	84,5
053433	BOXER-139-EP, 1x39W		896 x 184 x 56 x 480		
053455	BOXER-239-EP, 2x39W		896 x 184 x 56 x 782	31,5	84,5
053423	BOXER-339-EP, 3x39W		896 x 234 x 56 x 782	31,5	84,5
053434	BOXER-128-EP, 3x28W		1196 x 184 x 56		
053456	BOXER-228-EP, 2x28W		1196 x 184 x 56	31,5	84,5
053424	BOXER-328-EP, 2x28W		1196 x 234 x 56 x 550	31,5	84,5
053435	BOXER-154-EP, 1x54W		1196 x 184 x 56		
053457	BOXER-254-EP, 2x54W		1196 x 184 x 56	31,5	84,5
053425	BOXER-354-EP, 3x54W		1196 x 234 x 56 x 550	31,5	84,5
053436	BOXER-135-EP, 1x35W		1496 x 184 x 56		
053448	BOXER-235-EP, 2x35W		1496 x 184 x 56	31,5	84,5
053437	BOXER-149-EP, 1x49W		1496 x 184 x 56		
053449	BOXER-249-EP, 2x49W		1496 x 184 x 56	31,5	84,5
053438	BOXER-180-EP, 1x80W		1496 x 184 x 56		
053458	BOXER-280-EP, 2x80W		1496 x 184 x 56	31,5	84,5

– electronic ballast					
053482	BOXER-118-EP, 1x18W	T26/G13	627 x 204 x 61	27	80
053481	BOXER-218-EP, 2x18W		627 x 204 x 61	31,5	84,5
053480	BOXER-136-EP, 1x36W		1237 x 204 x 61	31,5	84,5
053479	BOXER-236-EP, 2x36W		1237 x 204 x 61	31,5	84,5
053478	BOXER-158-EP, 1x58W		1537 x 204 x 61	31,5	84,5
053477	BOXER-258-EP, 2x58W		1537 x 204 x 61	31,5	84,5

– electronic ballast					
053475	BOXER-118-EP, 1x18W	TC-L/2G11	299 x 184 x 56 x 205	48,5	101,5
053476	BOXER-136-EP, 1x36W		495 x 184 x 56 x 370	27,5	80,5
– special accessories					
004579	TORX security screw M5x12				
004586	BIT25 tool for screw M5x12				

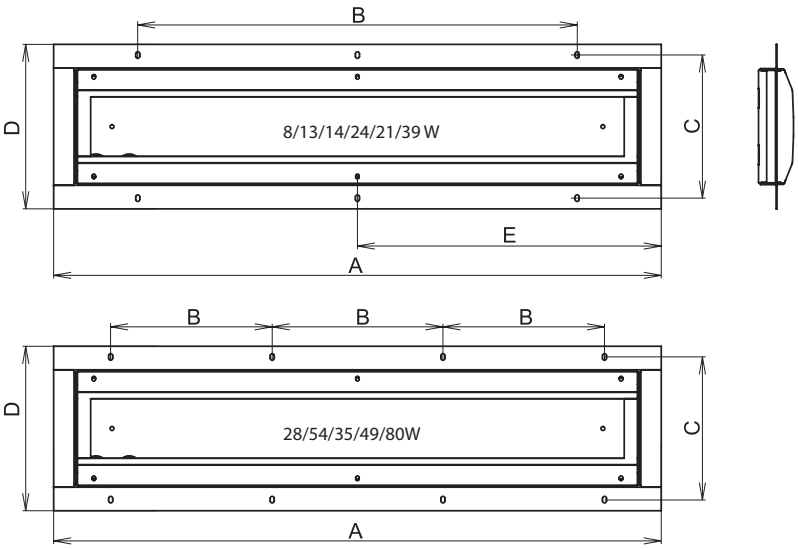
Light fixture can be equipped with assymetric reflector; ordering codes on request.

BOXER LUMINAIRES – FINISHING FOR MOUNTING INTO THE CORNER



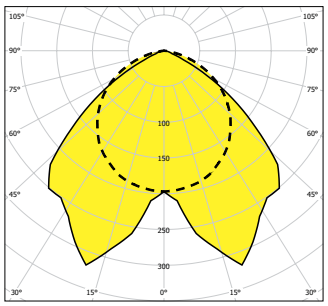
		AxBxC (mm)
053465	Set for corner mounting 8W	184 x 105 x 340
053466	Set for corner mounting 13W	184 x 105 x 568
053467	Set for corner mounting 14/24W	184 x 105 x 600
053468	Set for corner mounting 21/39W	184 x 105 x 900
053469	Set for corner mounting 28/54W	184 x 105 x 1200
053470	Set for corner mounting 35/49/80W	184 x 105 x 1500

BOXER LUMINAIRES – FINISHING WITH RECESSED FRAME



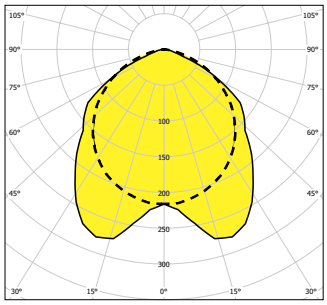
		AxBxC (mm)	E (mm)
053459	Recessed frame BOXER 8W	408 x 280 x 262	-
053460	Recessed frame BOXER 13W	636 x 400 x 262	-
053461	Recessed frame BOXER 14/24W	668 x 400 x 262	-
053462	Recessed frame BOXER 21/39W	968 x 700 x 262	484
053463	Recessed frame BOXER 28/54W	1268 x 350 x 262	-
053464	Recessed frame BOXER 35/49/80W	1568 x 400 x 262	-

BOXER, 1x54W, IP54, assymetric reflector

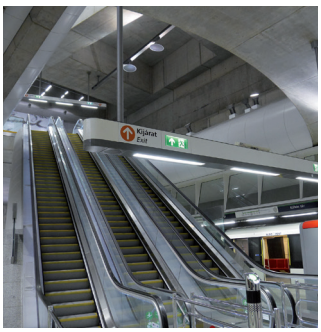


—— C0-C180 - - - - C90-C270

BOXER, 2x54W, IP64



—— C0-C180 - - - - C90-C270



ANTIVANDAL

RAMBO

IP67, IP42

Application: RAMBO light fixture with resistance against water jets is designed for areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC
(min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003; plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes in IP67 finishing. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

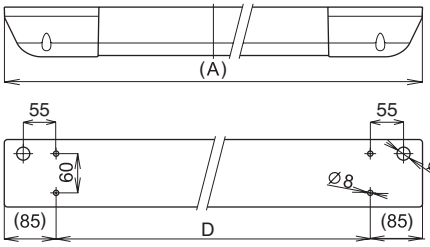
Fastening: Direct fastening on ceiling or wall lighted area

Připojení: Connection: Screw conector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland

On request: **Em** – non-maintained emergency lighting (version only with 1 pc light source)
MULTI – maintained emergency lighting (1 h, 3 h) – see page 155
DIM – dimmable electronic ballast (1-10V, DSI, DALI)
RAL – another colour finnishing
NEREZ – body from stainless steel sheet
1F/3F – one or three phase through-wiring connection

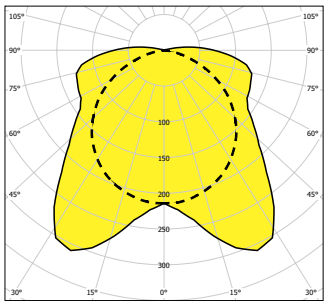
ANTIVANDAL



RAMBO 21W/39 + 8W light fixture
– for general lighting of prison cell
– for possibility to monitoring prison cell at night

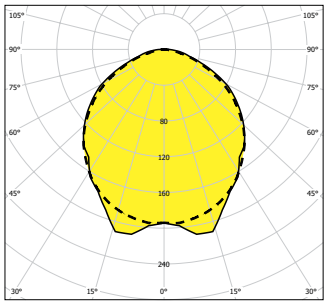
RAMBO 28W/54W light fixture
– for general lighting of prison cell

RAMBO, 1x39W, IP 67



—— C0-C180 - - - - C90-C270

RAMBO, 2x28W, IP 67



—— C0-C180 - - - - C90-C270

IP42 variant

			AxBxCxD (mm)
– inductive ballast			
083526	RAMBO-111, 1x11 W	TC-S/G23	754 x 113 x 76 x 584
083528	RAMBO-118-K, 1x18 W	T26/G13	1318 x 113 x 76 x 1148
083529	RAMBO 136-K, 1x36 W		1909 x 113 x 76 x 1739
083527	RAMBO-136, 1x36 W	TC-L/2G11	1152 x 113 x 76 x 982
– electronic ballast			
083523	RAMBO-111-EP, 1x11 W	TC-S/G23	754 x 113 x 76 x 584
083532	RAMBO-118-EP, 1x18 W	T26/G13	1258 x 113 x 76 x 1088
083533	RAMBO-136-EP, 1x36 W		1855 x 113 x 76 x 1685

			AxBxCxD (mm)
– electronic ballast			
083520	RAMBO-106-EP, 1x6 W		616 x 113 x 76 x 446
083521	RAMBO-108-EP, 1x8 W		692 x 113 x 76 x 522
083522	RAMBO-113-EP, 1x13 W		921 x 113 x 76 x 751
083507	RAMBO-114-EP, 1x14 W		952 x 113 x 76 x 782
083502	RAMBO-124-EP, 1x24 W		952 x 113 x 76 x 782
083535	RAMBO-214-EP, 2x14 W		1317 x 113 x 76 x 782
083536	RAMBO-224-EP, 2x24 W		1317 x 113 x 76 x 782
083506	RAMBO-121-EP, 1x21 W		1258 x 113 x 76 x 1088
083501	RAMBO-139-EP, 1x39 W	T16/G5	1258 x 113 x 76 x 1088
083537	RAMBO-221-EP, 2x21 W		1617 x 113 x 76 x 1088
083538	RAMBO-239-EP, 2x39 W		1617 x 113 x 76 x 1088
083505	RAMBO-128-EP, 1x28 W		1552 x 113 x 76 x 1382
083500	RAMBO-154-EP, 1x54 W		1552 x 113 x 76 x 1382
083539	RAMBO-228-EP, 2x28 W		1912 x 113 x 76 x 1382
083540	RAMBO-254-EP, 2x54 W		1912 x 113 x 76 x 1382
083508	RAMBO-135-EP, 1x35 W		1855 x 113 x 76 x 1685
083503	RAMBO-180-EP, 1x80 W		1855 x 113 x 76 x 1685
– for tube incandescent lamp 24V			
083524	RAMBO 24V, 1x25 W		616 x 113 x 76 x 446
083525	RAMBO 24V, 2x25 W		692 x 113 x 76 x 522
– special accessories			
004569	Screw with special head		
002020	Spanner for mounting and dismantling special screw		

IP67 variant

			AxBxCxD (mm)
– inductive ballast			
083576	RAMBO -111, 1x11 W	TC-S/G23	754 x 113 x 76 x 584
083578	RAMBO-118-K, 1x18 W	T26/G13	1318 x 113 x 76 x 1148
083579	RAMBO-136-K, 1x36 W		1909 x 113 x 76 x 1739
083577	RAMBO-136, 1x36 W	TC-L/2G11	1152 x 113 x 76 x 982
– electronic ballast			
083573	RAMBO-111-EP, 1x11 W	TC-SEL/G23	754 x 113 x 76 x 584
083581	RAMBO-118-EP, 1x18 W	T26/G13	1258 x 113 x 76 x 1088
083582	RAMBO-136-EP, 1x36 W		1855 x 113 x 76 x 1685

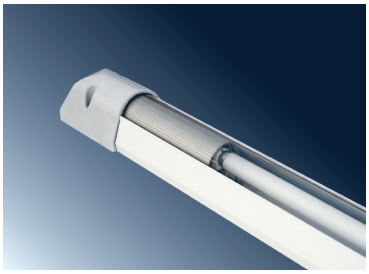
			AxBxCxD (mm)
– electronic ballast			
083570	RAMBO-106-EP, 1x6 W		616 x 113 x 76 x 446
083571	RAMBO-108-EP, 1x8 W		692 x 113 x 76 x 522
083572	RAMBO-113-EP, 1x13 W		921 x 113 x 76 x 751
083557	RAMBO-114-EP, 1x14 W		952 x 113 x 76 x 782
083552	RAMBO-124-EP, 1x24 W		952 x 113 x 76 x 782
083585	RAMBO-214-EP, 2x14 W		1317 x 113 x 76 x 782
083586	RAMBO-224-EP, 2x24 W		1317 x 113 x 76 x 782
083556	RAMBO-121-EP, 1x21 W		1258 x 113 x 76 x 1088
083551	RAMBO-139-EP, 1x39 W	T16/G5	1258 x 113 x 76 x 1088
083587	RAMBO-221-EP, 2x21 W		1617 x 113 x 76 x 1088
083588	RAMBO-239-EP, 2x39 W		1617 x 113 x 76 x 1088
083555	RAMBO-128-EP, 1x28 W		1552 x 113 x 76 x 1382
083550	RAMBO-154-EP, 1x54 W		1552 x 113 x 76 x 1382
083589	RAMBO-228-EP, 2x28 W		1912 x 113 x 76 x 1382
083590	RAMBO-254-EP, 2x54 W		1912 x 113 x 76 x 1382
083558	RAMBO-135-EP, 1x35 W		1855 x 113 x 76 x 1685
083553	RAMBO-180-EP, 1x80 W		1855 x 113 x 76 x 1685

Modification on request:

1) Combined version – multisource

2) With emergency unit
- for non-maintained emergency lighting – RAMBO-Em
- for maintained emergency lighting – MULTIRAMBO

NECESSARY TO CONSULT WITH PRODUCER



LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES

SETR – Exd

IP 65

Application: SETR-Exd dustproof light fixture is designed for premises with danger of explosion – mines with occurence of methane IM2ExsI Mb. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 11 ATEX 0291X).

Ballast: **/** - electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)
LED – 90-230V/50-60Hz AC, 030-260V DC

Body: Casting made of ductile cast iron RAL7035 with protective cage

Reflector: White painted metal sheet RAL9003

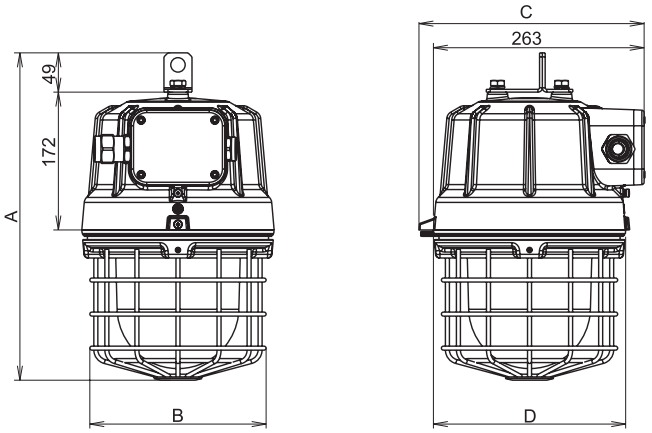
Fastening: Suspension grip

Connection: WAGO-Ex terminal block, max. diameter of wires 4,0 mm²

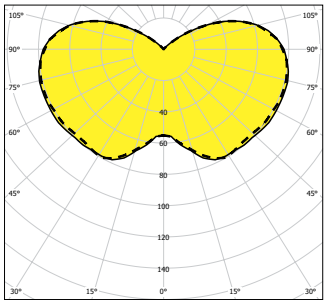
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 1 pc suspension grip

On request: **RAL** – another colour finnishing
SETR-Exd-P – finishing with wire grommet

FTZÚ 11 ATEX 0291X

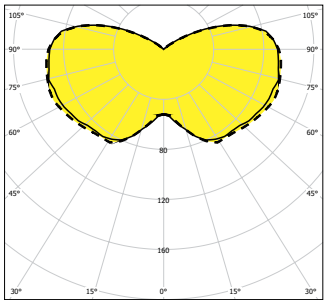


SETR-Exd-125R, 1x125W, IP65



C0-C180 ---- C90-C270

SETR-Exd-110S, 1x110W, IP65



C0-C180 ---- C90-C270

			AxBxC (mm)
– inductive ballast, –20°C ≤ t_a ≤ +40°C			
053550	SETR-Exd-50R, 1x50W	HME/E27	408 x 220 x 281 x 240
053551	SETR-Exd-80R, 1x80W	HME/E27	408 x 220 x 281 x 240
053552	SETR-Exd-125R, 1x125W	HME/E27	408 x 220 x 281 x 240
053553	SETR-Exd-50S/I, 1x50W	HSE/E27	408 x 220 x 281 x 240
053554	SETR-Exd-70S/I, 1x70W	HSE/E27	408 x 220 x 281 x 240
053574	SETR-Exd-100S, 1x100W	HSE/E40	408 x 220 x 281 x 240
053555	SETR-Exd-110S, 1x110W	HSE/E27	408 x 220 x 281 x 240
053566	SETR-Exd-118, 1x18W	TC-D / TC-T	408 x 220 x 281 x 240
053567	SETR-Exd-126, 1x26W	TC-D / TC-T	408 x 220 x 281 x 240
053562	SETR-Exd-compact max. 23W	E27	408 x 220 x 281 x 240
– LED version, –20°C < t_a < +40°C			
053569	SETR-Exd-13LED, 28W	LED	408 x 220 x 281 x 240
– LED version, –20°C < t_a < +50°C			
053568	SETR-Exd-7LED, 15W	LED	408 x 220 x 281 x 240
– inductive ballast, –40°C < t_a < +60°C			
053560	SETR-Exd-HAL max. 1x205W	E27	408 x 220 x 281 x 240
053561	SETR-Exd- mixed discharge lamp 160W		408 x 220 x 281 x 240
– electronic ballast, –20°C < t_a < +40°C			
053563	SETR-Exd-126-EP, 1x26W	TC-DEL / TC-TEL	408 x 220 x 281 x 240
053564	SETR-Exd-132-EP, 1x32W		408 x 220 x 281 x 240
053565	SETR-Exd-142-EP, 1x42W		408 x 220 x 281 x 240
S/I – necessary to use lamp with internal ignitor			
– non-maintained emergency mode, duration 1h, 0°C < t_a < +40°C			
053572	SETR-Exd-Em-118, 1x18W	TC-DEL	408 x 220 x 281 x 240
053573	SETR-Exd-Em-126, 1x26W		408 x 220 x 281 x 240
– electronic ballast, maintained emergency mode, duration 1h, 0°C < t_a < +30°C			
053570	MULTISETR-Exd-126-EP, 1x26W	TC-D/DEL	408 x 220 x 281 x 240
– inductive ballast, maintained emergency mode, duration 1h, 0°C < ta < +30°C			
053571	MULTISETR-Exd-126, 1x26W	TC-D/DEL	408 x 220 x 281 x 240
– special accessories			
053556	Set of ceiling brackets SETR-Exd		

SETR-Exd	SETR-Exd-P
Ⓔx I M2 Ex d I Mb	
Ⓔx II 2G Ex d IIB T3 Gb	Ⓔx II 2G Ex d e IIC T3 Gb
Ⓔx II 2D Ex tb IIIC T 135°C Db	Ⓔx II 2D Ex tb IIIC T 135°C Db

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Mines with methane occurence	M2		ČSN EN 1127
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

This project has been funded with support from the state budget through the Ministry of Industry and Trade
VYRTYCH – Technologický park a Inkubátor s.r.o. cooperated on this project.

EXTEND – Ex – T

IP 67

Application: EXTEND-Ex-T dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 10 ATEX 0144X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V DC; Em variant 230V/50-60Hz AC

Body: Plastic tube with outer diameter of 150 mm and wall thickness of 3 mm made from PC (polycarbonate), transparent colour; stainless steel sealing plugs at the ends of tube

Reflector: White painted metal sheet RAL9003

Fastening: Direct fastening on the carrier base with mounting brackets, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

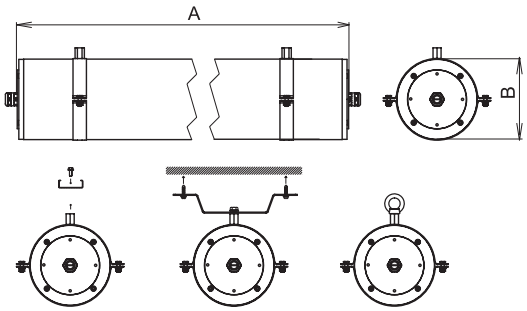
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc stainlees steel sealing cable gland, 1 pc stainless steel sealing plug, 2 pcs mounting bracket

On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 155
MULTI – maintained emergency lighting (1 h, 3 h) – see page 155
1F/3F – one or three phase through-wiring connection
Providing with cable glands for armoured cables

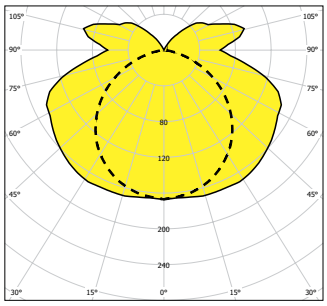
220-250V 0/50/60 Hz | +40°C ≤ t_a ≤ -20°C | +40°C ≤ t_a ≤ 0°C | EVG | 1F | 3F

FTZÚ 10 ATEX 0144X

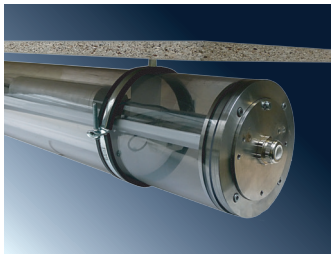


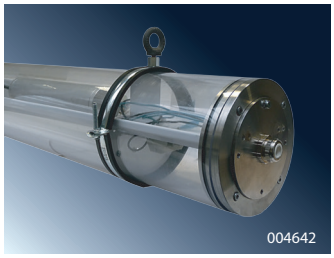
051139 004642

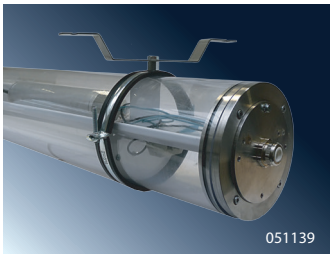
EXTEND-Ex-T, 2x36W, IP67



C0-C180 - - - - C90-C270




004642


051139

– electronic ballast without disconnectort, -20°C ≤ t_a ≤ +40°C			
053266	EXTEND-Ex-T-118-WOD, 1x18W	T26/G13	985x150
053267	EXTEND-Ex-T-218-WOD, 2x18W		985x150
053268	EXTEND-Ex-T-136-WOD, 1x36W		1595x150
053269	EXTEND-Ex-T-236-WOD, 2x36W		1595x150
053270	EXTEND-Ex-T-158-WOD. 1x58W		1895x150
053271	EXTEND-Ex-T-258-WOD, 2x58W		1895x150
– elecronic ballast with disconnector, -20°C ≤ t_a ≤ +40°C			
053260	EXTEND-Ex-T-118-D, 1x18W	T26/G13	985x150
053261	EXTEND-Ex-T-218-D, 2x18W		985x150
053262	EXTEND-Ex-T-136-D, 1x36W		1595x150
053263	EXTEND-Ex-T-236-D, 2x36W		1595x150
053264	EXTEND-Ex-T-158-D, 1x58W		1895x150
053265	EXTEND-Ex-T-258-D, 2x58W		1895x150
– non-maintained emergency mode, duration 1 h, t_a 0-40°C			
053272	EXTEND-Ex-T-118-Em, 1x18W	T26/G13	985x150
053273	EXTEND-Ex-T-136-Em, 1x36W		1595x150
053274	EXTEND-Ex-T-158-Em, 1x58W		1895x150
– electronic ballast, maintained emergency mode, duration 1h, t_a 0-40°C			
053275	MULTIEXTEND-Ex-T-118, 1x18W	T26/G13	985x150
053276	MULTIEXTEND-Ex-T-218, 2x18W		985x150
053277	MULTIEXTEND-Ex-T-136, 1x36W		1595x150
053278	MULTIEXTEND-Ex-T-236, 2x36W		1595x150
053279	MULTIEXTEND-Ex-T-158, 1x58W		1895x150
053280	MULTIEXTEND-Ex-T-258, 2x58W		1895x150
– special accessories			
051139	Set of ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND– Ex-T	**EXTEND– Ex-T-WOD**
Ex II 2G Ex d e mb IIA T4 Gb	Ex II 2G Ex e mb IIA T4 Gb
Ex II 2D Ex t IIIC T 70°C Db; IP 67	Ex II 2D Ex t IIIC T 70°C Db; IP 67

EXTEND-Ex-T-y36-WOD	EXTEND -Ex – P without disconnector
EXTEND-Ex-T-y36-D	EXTEND -Ex – P with disconnector
EXTEND-Ex-T-y36-2D	EXTEND -Ex – P with two disconnectors
EXTEND-Ex-T-y36-1P	EXTEND -Ex – P+ with one-phase through wiring connetion
EXTEND-Ex-T-y36-3P	EXTEND -Ex – P + with three-phase through wiring connetion

y – marking number of lamps (1 / 2)

This project has been funded with support from the state budget through the Ministry of Industry and Trade

ČVUT – Faculty of Electrical Engineering cooperated on this project.

LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES – ZONE 1,21

EXTEND – Ex – P

IP 65

Application: EXTEND-Ex-P dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 10 ATEX 0229X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V
Electronic ballast 110-127V/50-60Hz AC, 110-127V DC

Body: Plastic material GRP (polystyr filled with fibreglass), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL9003

Fastening: Direct fastening on the carrier base, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

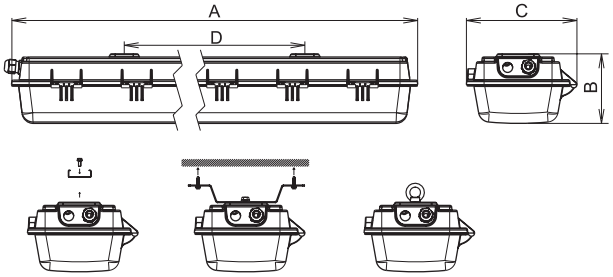
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 2 pcs sealing plug, double clamp of wire

On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 155
MULTI – maintained emergency lighting (1 h, 3 h) – see page 155
1F/3F – one or three phase through-wiring connection
Providing with cable glands for armoured cables

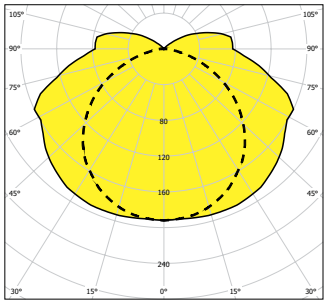
220-250V 0/50/60 Hz | 110-127V 0/50/60 Hz | +55°C ≤ t_a ≤ -20°C | +40°C ≤ t_a ≤ 0°C | EVG | 1F | 3F

FTZÚ 10 ATEX 0229X



051139 004642

EXTEND-Ex-P, 2x36W, IP65



—— C0-C180 - - - - C90-C270

051139

004642

			AxBxCxD (mm)
–electronic ballast without disconnector, -20°C ≤ t_a ≤ +55°C			
053240	EXTEND-Ex-P-136-WOD, 1x36W	T26/G13	1328 x 244 x 154 x 830
053241	EXTEND-Ex-P-236-WOD, 2x36W		1328 x 244 x 154 x 830
– electronic ballast with disconnector, -20°C ≤ t_a ≤ +55°C			
053250	EXTEND-Ex-P-136-D, 1x36W	T26/G13	1328 x 244 x 154 x 830
053251	EXTEND-Ex-P-236-D, 2x36W		1328 x 244 x 154 x 830
– non-maintained emergency mode, duration 1h, t_a 0-40°C			
053252	EXTEND-Ex-P-136-Em, 1x36W	T26/G13	1328 x 244 x 154 x 830
– electronic ballast, maintained emergency mode, duration 1 h, t_a 0-40°C			
053254	MULTIEXTEND-Ex-P-136, 1x36W	T26/G13	1328 x 244 x 154 x 830
053255	MULTIEXTEND-Ex-P-236, 2x36W		1328 x 244 x 154 x 830
– special accessories			
053295	Set of ceiling brackets EXTEND (2pcs)		
053296	EXTEND set of pole brackets (2pcs)		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND– Ex – P	EXTEND– Ex – P -WOD
Ⓔx II 2G Ex d e mb IIC T4 Gb	Ⓔx II 2G Ex e mb IIC T4 Gb
Ⓔx II 2D Ex t IIIC T 65°C Db; IP 65	Ⓔx II 2D Ex t IIIC T 65°C Db; IP 65

System of marking

EXTEND-Ex-P-y36-WOD	EXTEND -Ex – P without disconnector
EXTEND-Ex-P-y36-D	EXTEND -Ex – P with disconnector
EXTEND-Ex-P-y36-2D	EXTEND -Ex – P with two disconnectors
EXTEND-Ex-P-y36-1P	EXTEND -Ex – P+ with one-phase through wiring connetion
EXTEND-Ex-P-y36-3P	EXTEND -Ex – P + with three-phase through wiring connetion

y – marking number of lamps (1 / 2)

This project has been funded with support from the state budget through the Ministry of Industry and Trade

ČVUT – Faculty of Electrical Engineering cooperated on this project.

PITBUL – Ex

IP 65

Application: PITBUL-Ex dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0143X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

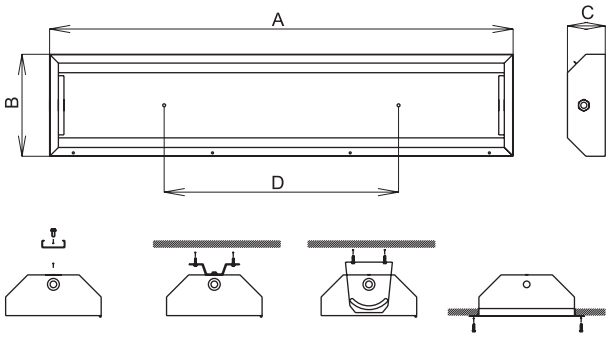
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

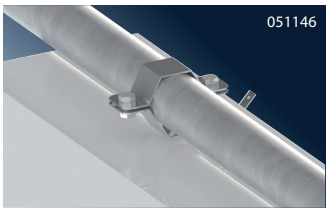
On requst:
1F/3F – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finishing
Providing with cable glands for armoured cables

220-250V 0/50/60 Hz | 110-127V 0/50/60 Hz | +40°C ≤ t_a ≤ -20°C | EVG | 1F | 3F | RAL

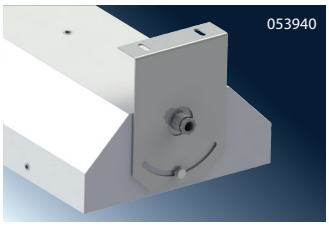
FTZÚ 04 ATEX 0143X



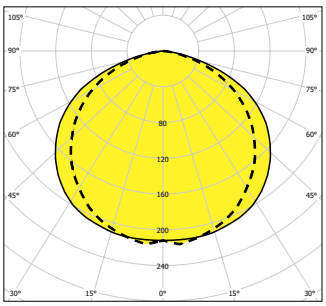
054935 053940 053941-053946


051146

054935


053940

PITBUL-Ex, 4x58W, IP65



C0-C180 - - - - C90-C270

– electronic ballast with disconnector, -20°C ≤ t_a ≤ +40°C			
053800	PITBUL-Ex-118-D, 1x18 W	T26/G13	701 x 302 x 130 x 450
053801	PITBUL-Ex-218-D, 2x18 W		701 x 302 x 130 x 450
053802	PITBUL-Ex-318-D, 3x18 W		701 x 302 x 130 x 450
053803	PITBUL-Ex-418-D, 4x18 W		701 x 362 x 130 x 450
053804	PITBUL-Ex-136-D, 1x36 W		1312 x 302 x 130 x 800
053805	PITBUL-Ex-236-D, 2x36 W		1312 x 302 x 130 x 800
053806	PITBUL-Ex-336-D, 3x36 W		1312 x 302 x 130 x 800
053807	PITBUL-Ex-436-D, 4x36 W		1312 x 362 x 130 x 800
053808	PITBUL-Ex-158-D, 1x58 W		1611 x 302 x 130 x 1100
053809	PITBUL-Ex-258-D, 2x58 W		1611 x 302 x 130 x 1100
053810	PITBUL-Ex-358-D, 3x58 W		1611 x 302 x 130 x 1100
053811	PITBUL-Ex-458-D, 4x58 W		1611 x 362 x 130 x 1100
– electronic ballast without disconnector, -20°C ≤ t_a ≤ +40°C			
053812	PITBUL-Ex-118-WOD, 1x18 W	T26/G13	701 x 302 x 130 x 450
053813	PITBUL-Ex-218-WOD, 2x18 W		701 x 302 x 130 x 450
053814	PITBUL-Ex-318-WOD, 3x18 W		701 x 302 x 130 x 450
053815	PITBUL-Ex-418-WOD, 4x18 W		701 x 362 x 130 x 450
053816	PITBUL-Ex-136-WOD, 1x36 W		1312 x 302 x 130 x 800
053817	PITBUL-Ex-236-WOD, 2x36 W		1312 x 302 x 130 x 800
053818	PITBUL-Ex-336-WOD, 3x36 W		1312 x 302 x 130 x 800
053819	PITBUL-Ex-436-WOD, 4x36 W		1312 x 362 x 130 x 800
053820	PITBUL-Ex-158-WOD, 1x58 W		1611 x 302 x 130 x 1100
053821	PITBUL-Ex-258-WOD, 2x58 W		1611 x 302 x 130 x 1100
053822	PITBUL-Ex-358-WOD, 3x58 W		1611 x 302 x 130 x 1100
053823	PITBUL-Ex-458-WOD, 4x58 W		1611 x 362 x 130 x 1100
– special accessories			
053940	Set of bracket grips with accessory (2 pcs)		
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		
051146	Pole bracket for Ø50 mm		

Other types (without disconnector, through-wiring connection) on request

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

System of marking and overview of the approved variant of light fixtures

PITBUL-Ex-xyy-D	PITBUL-Ex with disconnector
PITBUL-Ex-xyy-2D	PITBUL-Ex with two disconnectors and two ballast for two different voltages
PITBUL-Ex-xyy-WOD	without disconnector

x – marking number of lamps (1/2/3/4), **yy** – lamp type (18/36/58)

PITBUL-Ex-D	PITBUL-Ex-WOD
Ex II 2G Ex d e ib mb IIC T4 Gb Ex II 2D Ex t IIIC Db T60°C ; IP 65	Ex II 2G Ex d e ib mb IIC T4 Gb Ex II 2D Ex t IIIC Db T 60°C; IP 65

LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES – ZONE 1,21

MULTIPITBUL – Ex, PITBUL – Ex – Em

IP 65

Application: MULTIPITBUL-Ex, PITBUL-Ex-Em dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0143X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V DC; Em variant 230V/50-60Hz AC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

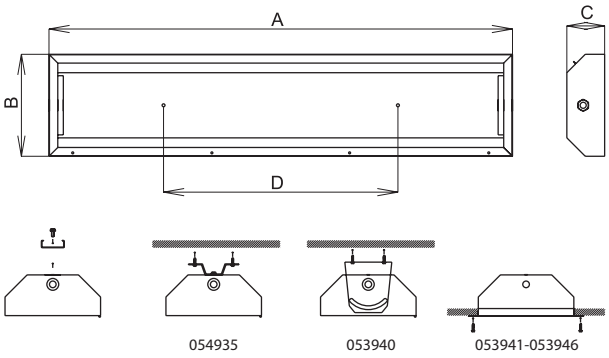
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **1F/3F** – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finishing
Providing with cable glands for armoured cables

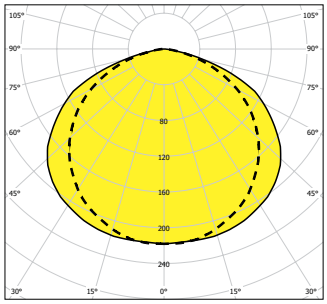
220-250V 0/50/60 Hz | 110-127V 0/50/60 Hz | +40°C ≤ t_a ≤ -0°C | EVG | 1F | 3F | RAL

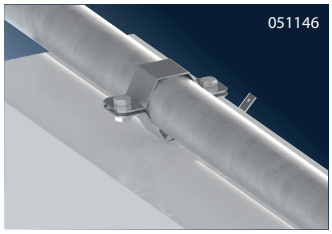
FTZÚ 04 ATEX 0143X

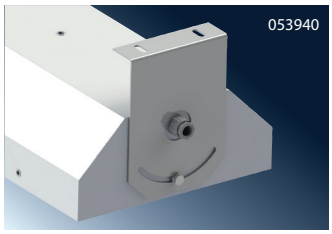
Marking: maintained emergency lighting (MULTI), non- maintained emergency lighting (Em) – see page 176



PITBUL-Ex, 2x36W, IP65







			A×B×C×D (mm)
– non-maintained emergency mode, duration 1,5h, 0°C ≤ t_a ≤ +40°C			
053840	PITBUL-Ex-118-Em-1x18 W, 1,5 h	T26/G13	701 x 302 x 130 x 450
053841	PITBUL-Ex-136-Em-1x36 W, 1,5 h		1312 x 302 x 130 x 800
– electronic ballast, maintained emergency mode, duration 1,5h, 0°C ≤ t_a ≤ +40°C			
053842	MULTIPITBUL-Ex-118, 1x18 W, 1,5 h	T26/G13	701 x 302 x 130 x 450
053844	MULTIPITBUL-Ex-218, 2x18 W, 1,5 h		701 x 302 x 130 x 450
053846	MULTIPITBUL-Ex-318, 3x18 W, 1,5 h		701 x 302 x 130 x 450
053848	MULTIPITBUL-Ex-418, 4x18 W, 1,5 h		701 x 362 x 130 x 450
053843	MULTIPITBUL-Ex-136, 1x36 W, 1,5 h		1312 x 302 x 130 x 800
053845	MULTIPITBUL-Ex-236, 2x36 W, 1,5 h		1312 x 302 x 130 x 800
053847	MULTIPITBUL-Ex-336, 3x36 W, 1,5h		1312 x 302 x 130 x 800
053849	MULTIPITBUL-Ex-436, 4x36 W, 1,5 h		1312 x 362 x 130 x 800

– special accessories

053940	Set of bracket grips with accessory (2 pcs)
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)
053943	Recessed frame 1/2/3x36W – 384,4 x1385 mm (mounting hole 323 x 1353 mm)
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)
054935	Set of stainless steel ceiling brackets (2 pcs)
004642	Suspension bracket M8 (1 pc)
051146	Pole bracket for Ø50 mm

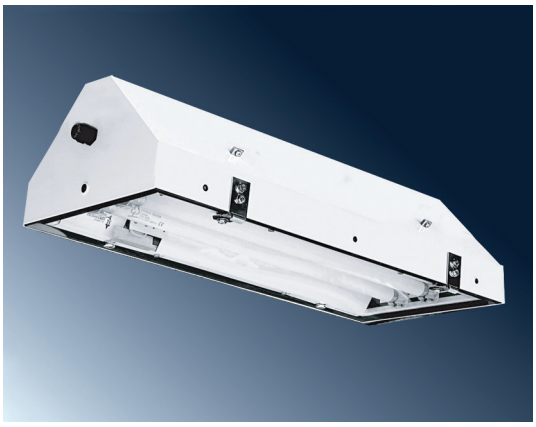
Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

MULTIPITBUL-Ex-D	MULTIPITBUL-Ex-WOD
Ex II 2G Ex d e ib mb IIC T4 Gb Ex II 2D Ex t IIIC Db T 60°C; IP 65	Ex II 2G Ex d e ib mb IIC T4 Gb Ex II 2D Ex t IIIC Db T 60°C; IP 65

EXCALIBUR – Ex

IP 65



Application: EXCALIBUR-Ex dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 06 ATEX 0057X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base or with ceiling brackets, suspension via suspension brackets, into false ceiling by means of recessed frame.

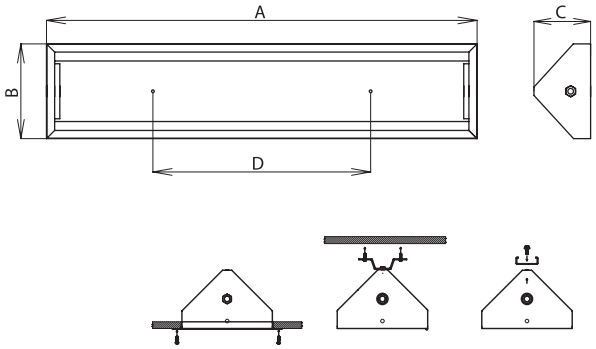
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **1F/3F** – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finishing
Providing with cable glands for armoured cables

220-250V 0/50/60 Hz | 110-127V 0/50/60 Hz | +40°C ≤ t_a ≤ -20°C | EVG | 1F | 3F | RAL

FTZU 06 ATEX 0057X

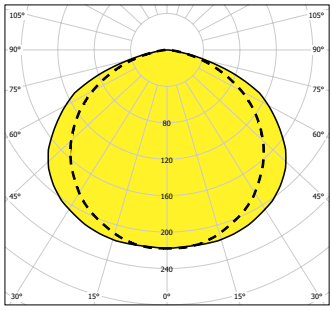


			AxBxCxD (mm)
– electronic ballast with disconnector, -20°C ≤ t_a ≤ +40°C			
053220	EXCALIBUR-Ex-118-D, 1x18 W	T26/G13	701 x 302 x 195 x 450
053221	EXCALIBUR-Ex-218-D, 2x18 W		701 x 302 x 195 x 450
053222	EXCALIBUR-Ex-318-D, 3x18 W		701 x 302 x 195 x 450
053223	EXCALIBUR-Ex-418-D, 4x18 W		701 x 362 x 225 x 450
053224	EXCALIBUR-Ex-136-D, 1x36 W		1312 x 302 x 195 x 800
053225	EXCALIBUR-Ex-236-D, 2x36 W		1312 x 302 x 195 x 800
053226	EXCALIBUR-Ex-336-D, 3x36 W		1312 x 302 x 195 x 800
053227	EXCALIBUR-Ex-436-D, 4x36 W		1312 x 362 x 225 x 800
053228	EXCALIBUR-Ex-158-D, 1x58 W		1611 x 302 x 195 x 1100
053229	EXCALIBUR-Ex-258-D, 2x58 W		1611 x 302 x 195 x 1100
053230	EXCALIBUR-Ex-358-D, 3x58 W		1611 x 302 x 195 x 1100
053231	EXCALIBUR-Ex-458-D, 4x58 W		1611 x 362 x 225 x 1100

– special accessories

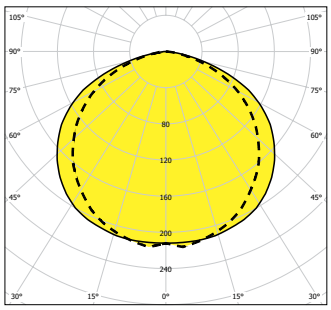
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)
053943	Recessed frame 1/2/3x36W – 384,4 x1385 mm (mounting hole 323 x 1353 mm)
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)
054935	Set of stainless steel ceiling brackets (2 pcs)
004642	Suspension bracket M8 (1 pc)

EXCALIBUR-Ex, 2x36W, IP65



—— C0-C180 - - - - C90-C270

EXCALIBUR-Ex, 4x58W, IP65



—— C0-C180 - - - - C90-C270

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXCALIBUR – Ex – D

Ex II 2G Ex d e ib mb IIC T4 Gb
Ex II 2D Ex t IIIC Db T58°C; IP65

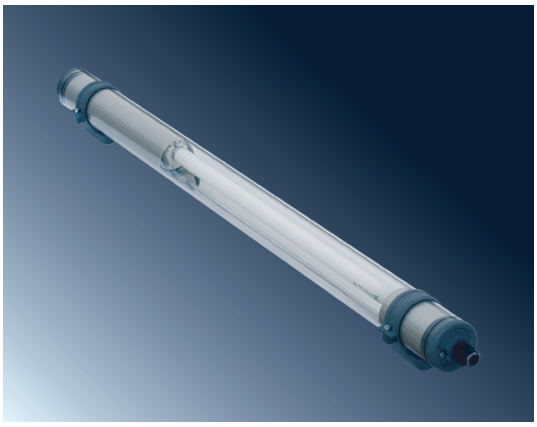
System of marking and overview of the approved variant of light fixtures

EXCALIBUR-Ex-xyy-D	EXCALIBUR-Ex with disconnector
EXCALIBUR-Ex-xyy-2D	EXCALIBUR-Ex with two disconnectors and two ballast for two different voltages

x – marking number of lamps (1/2/3/4)
yy – lamp type (18/36/58)

AQUA – Ex

IP 68



Application: AQUA-Ex dustproof and waterproof light fixture is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0141X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V DC

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

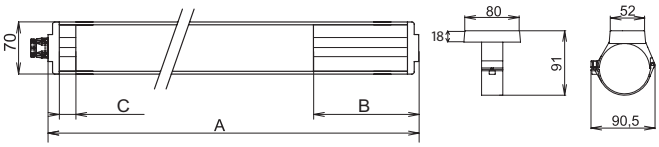
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

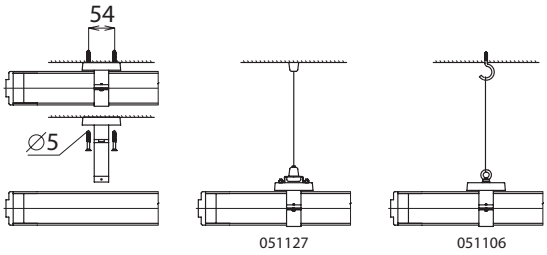
On request: **1F/3F** – one or three phase through-wiring connection

220-250V 0/50/60 Hz | 110-127V 0/50/60 Hz | +40°C ≤ t_a ≤ -20°C | EVG | 3F | UV STABIL

FTZÚ 04 ATEX 0141X



1xT16 2xT16, 1xT26



			A (mm)	B (mm)	C (mm)
– electronic ballast with disconnector, -20°C ≤ t_a ≤ +40°C					
083730	AQUA-Ex-118-D, 1x18W	T26/G13	1150	95	380
083731	AQUA-Ex-136-D, 1x36W		1760	95	380
083732	AQUA-Ex-158-D, 1x58W		2060	95	380

Other types (without disconnector, through-wiring connection) on request

– special accessories

051106	Plastic suspension bracket with accessories
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket
053630	Plastic mounting bracket (1 pc)
053628	Stainless steel mounting bracket (1 pc)

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

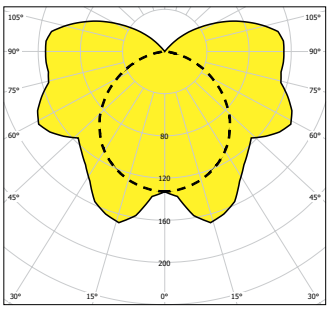
AQUA – Ex – D		AQUA – Ex – WOD	
1x18W	Ex II2G Ex de mb IIC T4 Gb Ex II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m	1x18W	Ex II 2G Ex e mb II T4 Gb Ex II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m
1x36W	Ex II2G Ex de mb IIC T4 Gb Ex II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m	1x36W	Ex II 2G Ex e mb II T4 Gb Ex II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m
1x58W	Ex II2G Ex de mb IIC T4 Gb Ex II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m	1x58W	Ex II 2G Ex e mb II T4 Gb Ex II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m

System of marking and overview of the approved variant of light fixtures

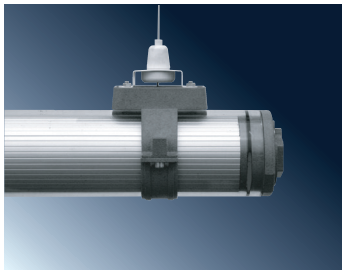
AQUA-Ex-1yy-D	AQUA-Ex with disconnector
AQUA-Ex-1yy-WOD	AQUA-Ex without disconnector
AQUA-Ex-1yy-S-WOD	AQUA-Ex with separate ballast part, without disconnector

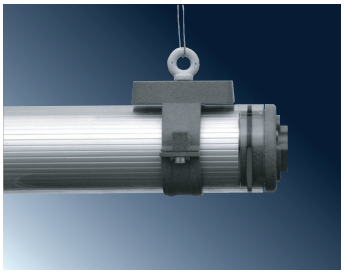
yy – lamp type (18/36/58)

AQUA-Ex, 1x36W, IP67



—— C0-C180 - - - - C90-C270





RAMBO – Ex

IP 67

Application: RAMBO-Ex dustproof light fixture with resistance agaings water jets is designed for premises with danger of explosion.For outdoor use we recommend to order stainless steel body of the light fiting. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0142X).

Ballast: Electronic ballast 220-250V/50-60Hz AC, 220-250V DC

Body: White painted metal sheet RAL9003; plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland

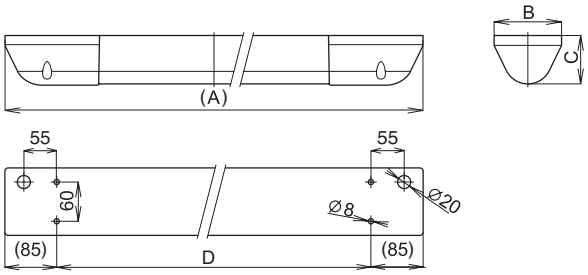
On request: **1F/3F** – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

RAL – another colour finnishing

220-250V 0/50/60 Hz | 110-127V 0/50/60 Hz | +40°C ≤ t_a ≤ -20°C | EVG | 3F | UV STABIL | RAL

FTZÚ 04 ATEX 0142X



			AxBxCxD (mm)
– electronic ballast with disconnector, -20°C ≤ t_a ≤ +40°C			
083690	RAMBO-Ex-118-D, 1x18W	T26/G13	1312 x 113 x 76 x 1148
083691	RAMBO-Ex-136-D, 1x36W		1903 x 113 x 76 x 1739

Other types (without disconnector, through-wiring connection) on request

– special accessories

004569	Screw with special head
002020	Spanner for mounting and dismantling special screw

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	ČSN EN 60079-14 ČSN EN 60079-10-1

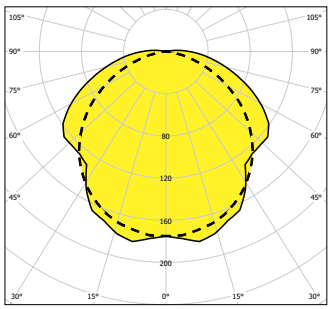
RAMBO – Ex – D		RAMBO – Ex – WOD	
1x18W	Ex II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67	1x18W	Ex II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67
1x36W	Ex II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67	1x36W	Ex II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67

System of marking and overview of the approved variant of light fixtures

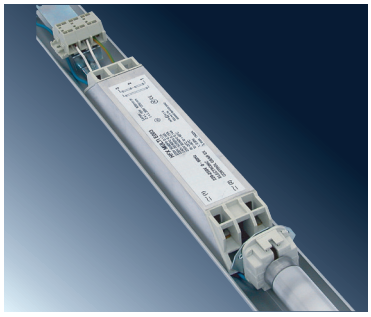
RAMBO-Ex-1yy-D	RAMBO-Ex with disconnector
RAMBO-Ex-1yy-WOD	RAMBO-Ex without disconnector

yy – lamp type (18/36/58)

RAMBO-Ex, 1x18W, IP 67



—— C0-C180 - - - - C90-C270



LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES – ZONE 1,21

EXTRA – Ng

IP 66

Application: EXRA-Ng single-use dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Thanks electronic ballast and light sources with long service life light fixtures are suitable for plants with high maintenance costs of lighting systems.

Ballast: EP – electronic ballast 220-240V/50-60Hz AC

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance (see page 153)

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance (see page 153)

Reflector: White painted metal sheet RAL9003

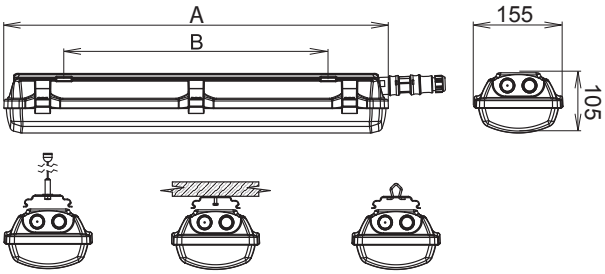
Fastening: Direct fastening on ceiling or wall lighted area by means of two ceiling fastening brackets (standard equpiment), suspension with self-locking suspenders or with wire hangers.

Connection: Three-pole GESIS connector for conductor cross-section of 2,5 mm² and cable diameter 10-14 mm

Standard equipment: light sources (inside the light fixture), 1 pc GESIS conector, 2 pcs fastening brackets

On request: **1F/3F** – one or three phase through-wiring connection

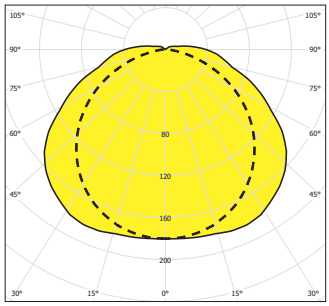
UV STABIL | +40°C ≤ t_a ≤ -20°C | EVG | 3 F | 220-240 V 50-60 Hz | 1F



119999 001696

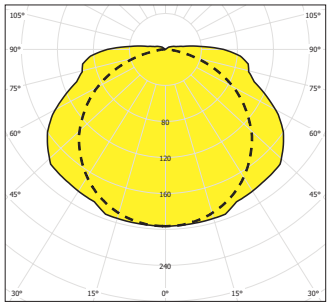
– electronic ballast			
055040	EXTRA-Ng-118-EP, 1x18W	T26/G13	670 x 460
055041	EXTRA-Ng-218-EP, 2x18W		670 x 460
055042	EXTRA-Ng-136-EP, 1x36W		1280 x 880
055043	EXTRA-Ng-236-EP, 2x36W		1280 x 880
055044	EXTRA-Ng-158-EP, 1x58W		1580 x 1000
055045	EXTRA-Ng-258-EP, 2x58W		1580 x 1000
– special accessories			
119999	Cable suspender – I (3m) (1 pc)		
001696	Wire hanger EXTRA		

EXTRA-Ng, 2x18W, IP66



—— C0-C180 - - - - C90-C270

EXTRA-Ng, 1x18W, IP66



—— C0-C180 - - - - C90-C270

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SALUKA – N

IP 66

Application: SALUKA-N dustproof light fixture with resistance against water jets is designed for lighting premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 08 ATEX 0133X).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
/ – electromagnetic ballast 230V/50Hz, without parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9001

Cover: Tempered safety glass

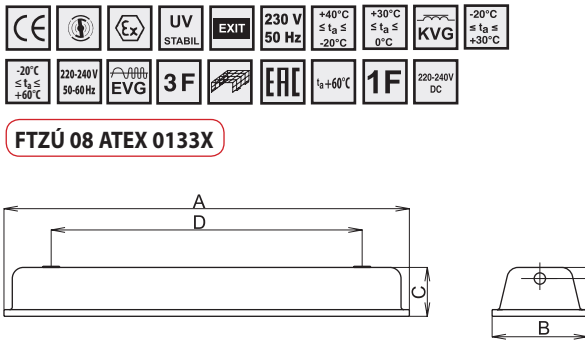
Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of suspension brackets with steel or chain

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

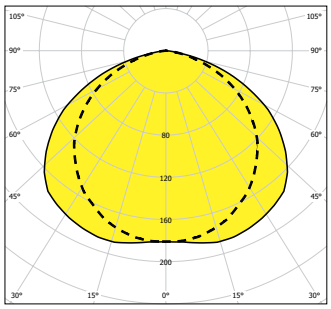
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1F/3F – one or three phase through-wiring connection
NEREZ – body from stainless steel metal sheet
AR – aluminium reflector (deep radiant)
PAR – parabolic reflector
AUTOTEST – light fitting equipped with autotest
Providing with cable glands for armoured cables



FTZÚ 08 ATEX 0133X

SALUKA, 2x36W, IP66



– electronic ballast, -20°C ≤ t_a ≤ +40°C			
054372	SALUKA-N-118-EP, 1x18W	T26/G13	705 x 192 x 90 x 560
054373	SALUKA-N-218-EP, 2x18W		705 x 192 x 90 x 560
054374	SALUKA-N-136-EP, 1x36W		1305 x 192 x 90 x 1160
054375	SALUKA-N-236-EP, 2x36W		1305 x 192 x 90 x 1160
054376	SALUKA-N-158-EP, 1x58W		1605 x 192 x 90 x 1400
054377	SALUKA-N-258-EP, 2x58W		1605 x 192 x 90 x 1400
– electronic ballast, t_a +60°C			
056323	SALUKA-N-T60-258-EP, 2x58W	T26/G13	1605 x 192 x 90 x 1400
056322	SALUKA-N-T60-158-EP, 1x58W		1605 x 192 x 90 x 1400
056321	SALUKA-N-T60-236-EP, 2x36W		1305 x 192 x 90 x 1160
056320	SALUKA-N-T60-136-EP, 1x36W		1305 x 192 x 90 x 1160
– maintained emergency lighting, inductive ballast, t_a 0-30°C			
054378	MULTISALUKA-N-218, 2x18W, 1h	T26/G13	705 x 192 x 90 x 560
054379	MULTISALUKA-N-218-K, 2x18W, 1h		705 x 192 x 90 x 560
054380	MULTISALUKA-N-136, 1x36W, 1h		1305 x 192 x 90 x 1160
054381	MULTISALUKA-N-136-K, 1x36W, 1h		1305 x 192 x 90 x 1160
054382	MULTISALUKA-N-236, 2x36W, 1h		1305 x 192 x 90 x 1160
054383	MULTISALUKA-N-236-K 2x36W, 1h		1305 x 192 x 90 x 1160
054384	MULTISALUKA-N-158, 1x58W, 1h		1605 x 192 x 90 x 1400
054385	MULTISALUKA-N-158-K,1x58W, 1h		1605 x 192 x 90 x 1400
054386	MULTISALUKA-N-258, 2x58W, 1h		1605 x 192 x 90 x 1400
054387	MULTISALUKA-N-258-K, 2x58W, 1h		1605 x 192 x 90 x 1400
– maintained emergency lighting, electronic ballast, t_a 0-30°C			
054388	MULTISALUKA-N-118-EP, 1x18W, 1h	T26/G13	705 x 192 x 90 x 560
054389	MULTISALUKA-N-218-EP, 2x18W, 1h		705 x 192 x 90 x 560
054390	MULTISALUKA-N-136-EP, 1x36W, 1h		1305 x 192 x 90 x 1160
054391	MULTISALUKA-N-236-EP, 2x36W, 1h		1305 x 192 x 90 x 1160
054392	MULTISALUKA-N-158-EP, 1x58W, 1h		1605 x 192 x 90 x 1400
054393	MULTISALUKA-N-258-EP, 2x58W, 1h		1605 x 192 x 90 x 1400
– special accessories			
008060	Cable gland Ex M20x1,5		
008097	Nut for cable gland and sealing plug		
008090	Sealing plug Ex M20x1,5		
001995	Reflector AR – 2x36W deep radiant		
001996	Reflector AR – 2x58W deep radiant		
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)		
051145	Pole bracket (50 mm diameter)		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

SALUKA-N, SALUKA-N-EM, MULTISALUKA-N-EM	
Ex II 3G Ex nA IIC T4 Gc	Ex II 3G Ex nA IIC T4 Gc
Ex II 3D Ex tc IIIC T70°C Dc	Ex II 3D Ex tc IIIC T70°C Dc

VIPET – N – I

IP 66

Application: VIPET-N dustproof light fixture with resistance against water jets is designed for lighting premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 02 ATEX 0313X).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
/ – electromagnetic ballast 230V/50Hz, without parallel compensation
EP – electronic ballast 230V/50Hz AC, 220-240V DC

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance (see page 153)

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance (see page 153)

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

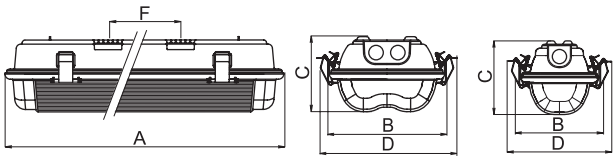
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: **1F/3F** – one or three phase through-wiring connection
AR – aluminium linera reflector (deep radiant)
PAR – parabolic reflector

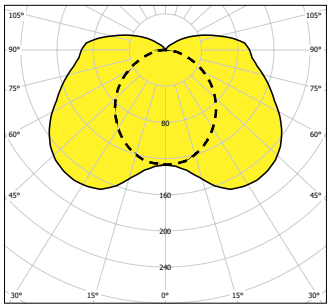
UV STABIL | 230 V 50 Hz | +40°C ≤ t_a ≤ -20°C | KVG | EVG | 3 F | 220-240 V 50-60 Hz | 1F | 220-240 V DC

FTZÚ 02 ATEX 0313X



F – spacing of self-locking fastening springs

VIPET-N, 2x36, IP66



—— C0-C180 - - - - C90-C270

The application of light fixtures in area with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of inflammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of inflammable gas	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

VIPET-N-I

Ex II 3D Ex tc IIIC Tx °C Dc

VIPET-N-I		VIPET-N-I-EP	
1x18W	Ex II 3G Ex nA IIC T5 T89°C	1x18W	Ex II 3G Ex nA IIC T5 T82°C
2x18W	Ex II 3G Ex nA IIC T5 T89°C	2x18W	Ex II 3G Ex nA IIC T5 T82°C
1x36W	Ex II 3G Ex nA IIC T5 T89°C	1x36W	Ex II 3G Ex nA IIC T5 T86°C
2x36W	Ex II 3G Ex nA IIC T5 T89°C	2x36W	Ex II 3G Ex nA IIC T5 T86°C
1x58W	Ex II 3G Ex nA IIC T4 T110°C	1x58W	Ex II 3G Ex nA IIC T5 T92°C
2x58W	Ex II 3G Ex nA IIC T4 T122°C	2x58W	Ex II 3G Ex nA IIC T5 T93°C

			A×B×C×D×E (mm)
– inductive ballast, -20°C ≤ t_a ≤ +40°C			
052240	VIPET-N-I-PC-218, 2x18W	T26/G13	685 x 173 x 110 x 230 x 340
052241	VIPET-N-I-PC-218-K 2x18W		685 x 173 x 110 x 230 x 340
052440	VIPET-N-I-PC-118, 1x18W		685 x 119 x 110 x 176 x 340
052441	VIPET-N-I-PC-118-K, 1x18W		685 x 119 x 110 x 176 x 340
052080	VIPET-N-I-PC-236, 2x36W		1290 x 173 x 110 x 230 x 700
052081	VIPET-N-I-PC-236-K, 2x36W		1290 x 173 x 110 x 230 x 700
052140	VIPET-N-I-PC-136, 1x36W		1290 x 119 x 110 x 176 x 700
052141	VIPET-N-I-PC-136-K, 1x36W		1290 x 119 x 110 x 176 x 700
052340	VIPET-N-I-PC-258, 2x58W		1590 x 173 x 110 x 230 x 1000
052341	VIPET-N-I-PC-258-K, 2x58W		1590 x 173 x 110 x 230 x 1000
052480	VIPET-N-I-PC-158, 1x58W		1590 x 119 x 110 x 176 x 1000
052481	VIPET-N-I-PC-158-K, 1x58W		1590 x 119 x 110 x 176 x 1000
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
052242	VIPET-N-I-PC-218-EP, 2x18W	T26/G13	685 x 173 x 110 x 230 x 340
052442	VIPET-N-I-PC-118-EP, 1x18W		685 x119 x 110 x 176 x 340
052082	VIPET-N-I-PC-236-EP, 2x36W		1290 x 173 x 110 x 230 x 700
052142	VIPET-N-I-PC-136-EP, 1x36W		1290 x 119 x 110 x 176 x 700
052342	VIPET-N-I-PC-258-EP, 2x58W		1590 x 173 x 110 x 230 x 1000
052482	VIPET-N-I-PC-158-EP, 1x58W		1590 x 119 x 110 x 176 x 1000
– special accessories			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051130	Self-locking cable suspender VIPET – 1x		
051131	Self-locking cable suspender – VIPET 2x, POINTER		
003571	Stainless steel clip POINTER, VIPETT		
001719	Stainless steel fixing spring VIPET – 1x		
001718	Stainless steel fixing spring VIPET – 2x, POINTER		
051111	Accessories for one phase through-wiring connection – 36W – 3x1,5 mm²		
051112	Accessories for one phase through-wiring connection – 58W – 3x1,5 mm²		
051109	Accessories for through-wiring connection 36W-3F – 5x1,5 mm²		
051110	Accessories for through-wiring connection 58W-3F – 5x1,5 mm²		
001505	Protective cover 2x36W through		
001506	Protective cover 2x36W ending		
001509	Protective cover 2x58W through		
001510	Protective cover 2x58W ending		

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

MULTIVIPET – N, VIPET – N – EM

IP 66

Application: MULTIVIPET-N, VIPET-N-Em dustproof light fixture with resistance against water jets is designed for lighting premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava--Radvanice (certificate FTZU 02 ATEX 0313X).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
/ – electromagnetic ballast 230V/50Hz, without parallel compensation
EP – electronic ballast 230V/50Hz AC

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance (see page 153)

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance (see page 153)

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

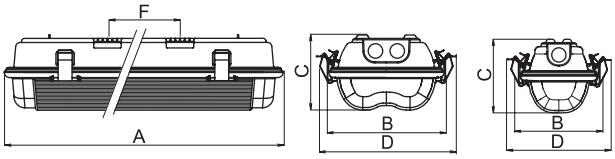
Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: **1F/3F** – one or three phase through-wiring connection
AR – aluminium linera reflector (deep radiant)
PAR – parabolic reflector
AUTOTEST – light fitting equipped with autotest

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em) – see page 155

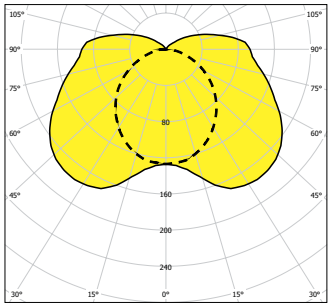
UV STABIL | EXIT | 230 V 50 Hz | +30°C ≤ t_a ≤ 0°C | KVG | EVG | 220-240 V 50-60 Hz | 3F | 1F

FTZÚ 02 ATEX 0313X

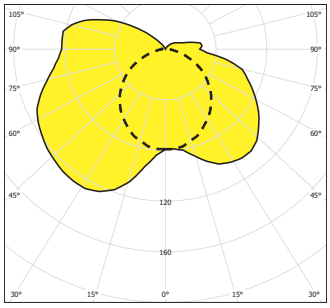


F – spacing of self-locking fastening springs

VIPET-N-Em, 2x36W, IP 66



VIPET-N-Em, 2x36W, IP 66 – emergency mode



—— C0-C180 - - - - C90-C270 —— C0-C180 - - - - C90-C270

			AxBxCxDxExF (mm)
– inductive ballast, maintained emergency mode, t_a 0-30°C			
052246	MULTIVIPET-N-PC-218, 2x18W, 1h	T26/G13	685 x 173 x 110 x 230 x 340
052245	MULTIVIPET-N-PC-218-K, 2x18W, 1h		685 x 173 x 110 x 230 x 340
052086	MULTIVIPET-N-PC-236, 2x36W, 1h		1290 x 173 x 110 x 230 x 700
052085	MULTIVIPET-N-PC-236-K, 2x36W, 1h		1290 x 173 x 110 x 230 x 700
052146	MULTIVIPET-N-PC-136, 1x36W, 1h		1290 x 119 x 110 x 176 x 700
052145	MULTIVIPET-N-PC-136-K, 1x36W, 1h		1290 x 119 x 110 x 176 x 700
052346	MULTIVIPET-N-PC-258, 2x58W, 1h		1590 x 173 x 110 x 230 x 1000
052345	MULTIVIPET-N-PC-258-K, 2x58W, 1h		1590 x 173 x 110 x 230 x 1000
052486	MULTIVIPET-N-PC-158, 1x58W, 1h		1590 x 119 x 110 x 176 x 1000
052485	MULTIVIPET-N-PC-158-K, 1x58W		1590 x 119 x 110 x 176 x 1000
– electronic ballast, maintained emergency mode, t_a 0-30°C			
052247	MULTIVIPET-N-PC-218-EP, 2x18W, 1h	T26/G13	685 x 173 x 110 x 230 x 340
052087	MULTIVIPET-N-PC-236-EP, 2x36W, 1h		1290 x 173 x 110 x 230 x 700
052147	MULTIVIPET-N-PC-136-EP, 1x36W, 1h		1290 x 173 x 110 x 230 x 700
052347	MULTIVIPET-N-PC-258-EP, 2x58W, 1h		1590 x 173 x 110 x 230 x 1000
052487	MULTIVIPET-N-PC-158-EP, 1x58W, 1h		1590 x 173 x 110 x 230 x 1000

			AxBxCxDxExF (mm)
– non-maintained emergency mode, t_a 0-30°C			
052445	VIPET-N-EM-PC-118, 1x18W, 1h	T26/G13	685x 173 x 110 x 230 x 340
052148	VIPET-N-EM-PC-136, 1x36W, 1h		1290 x 119 x 110 x 176 x 700
052488	VIPET-N-EM-PC-158, 1x58W, 1h		1590 x 173 x 110 x 230 x 1000

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

VIPET-N-I

Ex II 3D Ex tc IIIC Tx °C Dc

MULTIVIPET-N		MULTIVIPET-N-EP	
2x18W	Ex II 3G Ex nA IIC T5 Gc; T75°C	2x18W	Ex II 3G Ex nA IIC T4 Gc; T75°C
1x36W	Ex II 3G Ex nA IIC T5 Gc; T75°C	1x36W	Ex II 3G Ex nA IIC T4 Gc; T75°C
2x36W	Ex II 3G Ex nA IIC T5 Gc; T75°C	2x36W	Ex II 3G Ex nA IIC T4 Gc; T75°C
1x58W	Ex II 3G Ex nA IIC T5 Gc; T75°C	1x58W	Ex II 3G Ex nA IIC T4 Gc; T75°C
2x58W	Ex II 3G Ex nA IIC T5 Gc; T75°C	2x58W	Ex II 3G Ex nA IIC T4 Gc; T75°C

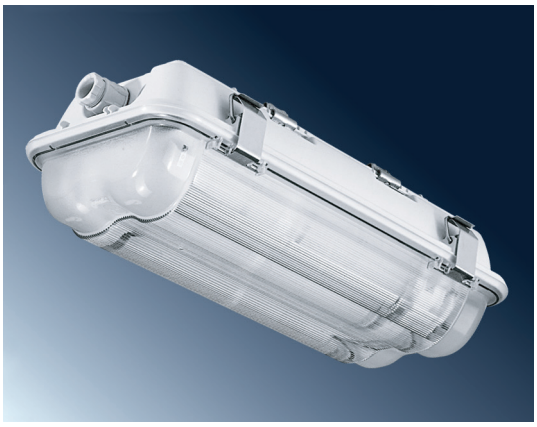
VIPET-N-EM

1x18W	Ex II 3G Ex nA IIC T5 Gc; T42°C
1x36W	Ex II 3G Ex nA IIC T5 Gc; T42°C
1x58W	Ex II 3G Ex nA IIC T5 Gc; T42°C

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

POINTER – N – I

IP 66



Application: POINTER-N dustproof light fixture with resistance against water jets is designed for lighting premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 02 ATEX 0144X).

Ballast: Electronic ballast 230V/50Hz

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance (see page 153)

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance (see page 153)

Reflector: White painted metal sheet RAL 9003

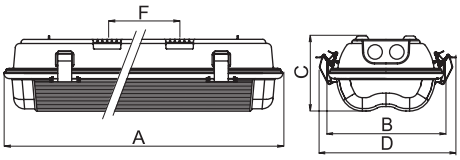
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

UV STABIL | 230 V 50 Hz | +40°C ≤ t_a ≤ -20°C | KVG | EVG | 220-240 V 50-60 Hz

FTZÚ 02 ATEX 0144X



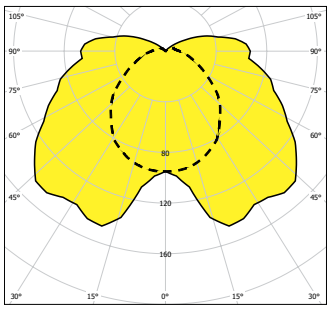
F – spacing of self-locking fastening springs

			AxBxCxDxExF (mm)
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
052021	POINTER-N-I-PC-211-EP, 2x9/11W	TC-SEL/2G7	338 x 173 x 105 x 230 x 100
– special accessories			
008060	Cable gland Ex M20x1,5		
008097	Nut for cable gland and sealing plug		
008090	Sealing plug Ex M20x1,5		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		
001744	Protective cage		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

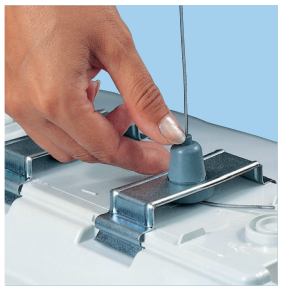
POINTER-N-I, 2x11W, IP66



—— C0-C180 - - - - C90-C270

POINTER-N-I		POINTER-N-I-EP	
2x11W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T65°C Dc	2x11W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T65°C Dc

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.



BASET – N, MULTIBASET – N

IP 66

Application: BASET-N, MULTIBASET-N emergency dustproof light fixture with resistance against water jets is designed for lighting premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0219X).

Ballast: Electromagnetic ballast 230V/50Hz
Emergency unit 230V/50Hz

Body: Plastic material PC (polycarbonate), grey colour RAL7035, chemical resistance (see page 153)

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance (see page 153)

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

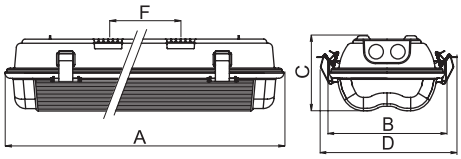
Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips, compact fluorescent lamp DULUX S/E 9W or DULUX S/E 11W, pictograms

On request:
AUTOTEST – light fitting equipped with autotest

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em) – see page 155

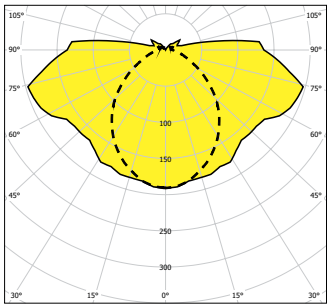
UV STABIL | 230 V 50 Hz | +30°C ≤ t_a ≤ 0°C | KVG | EXIT

FTZÚ 04 ATEX 0219X



F – spacing of self-locking fastening springs

BASET-N-I-PC, 1x11W, IP 66



—— C0-C180 - - - - C90-C270

			AxBxCxDxE (mm)
– non-maintained emergency mode, t_a 0-30°C			
052022	BASET-N-I-PC-109, 1x9W, 3h	TC-SEL/2G7	338 x 173 x 105 x 230 x 100
052040	BASET-N-I-PC-111, 1x11W, 3h	TC-SEL/2G7	338 x 173 x 105 x 230 x 100
– maintained emergency mode, t_a 0-30°C			
052023	MULTIBASET-N-I-PC-109, 1x9W, 3h	TC-SEL/2G7	338 x 173 x 105 x 230 x 100
052041	MULTIBASET-N-I-PC-111, 1x11W, 3h	TC-SEL/2G7	338 x 173 x 105 x 230 x 100

– special accessories

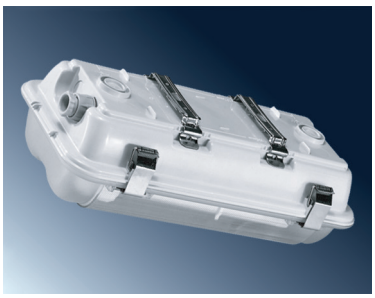
008060	Cable gland Ex M20x1,5
008097	Nut for cable gland and sealing plug
008090	Sealing plug Ex M20x1,5
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)
003571	Stainless steel clip POINTER, VIPET
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

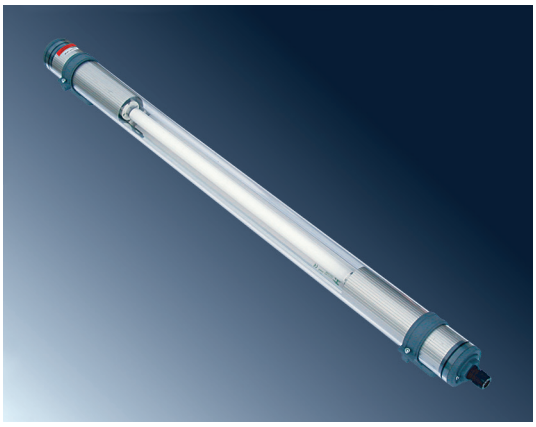
BASET – N – I		MULTIBASET – N – I	
1x9 W	Ex II 3G Ex nA IIC T6 Gc Ex II 3D Ex tc IIIC T45°C Dc	1x9 W	Ex II 3G Ex nA IIC T6 Gc Ex II 3D Ex tc IIIC T45°C Dc
1x11 W	Ex II 3G Ex nA IIC T6 Gc Ex II 3D Ex tc IIIC T45°C Dc	1x11 W	Ex II 3G Ex nA IIC T6 Gc Ex II 3D Ex tc IIIC T45°C Dc

For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.



AQUA – N

IP 68



Application: AQUA-N dustproof and waterproof light fixture is designed for premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 02 ATEX 0445X).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

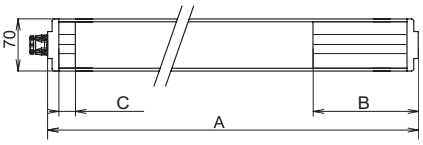
Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

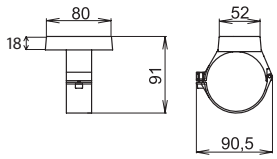
Standard equipment: 1 pc sealing cable gland,

On request: **1F/3F** – one or three phase through-wiring connection
AS – assymetric reflector

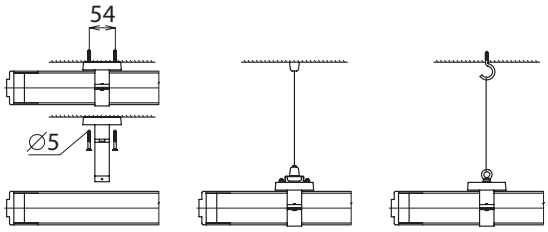
UV STABIL | 230 V 50 Hz | +40°C ≤ t_a ≤ -20°C | KVG | EVG | 1F | 3F

FTZÚ 02 ATEX 0445X





1xT16 2xT16, 1xT26



051127 051106

			A (mm)	B (mm)	C (mm)
– electronic ballast, -20°C ≤ t_a ≤ +40°C					
083723	AQUA-N-136-EP,1x36W		1081	367	95
083724	AQUA-N-136-EP,1x36W	T26/G13	1691	367	95
083725	AQUA-N-158-EP,1x58W		1991	367	95
– inductive ballast, -20°C ≤ t_a ≤ +40°C					
083720	AQUA-N-118-K,1x18W		1150	240	261
083721	AQUA-N-136-K,1x36W	T26/G13	1740	240	242
083722	AQUA-N-158-K,1x58W		2089	240	291

– special accessories

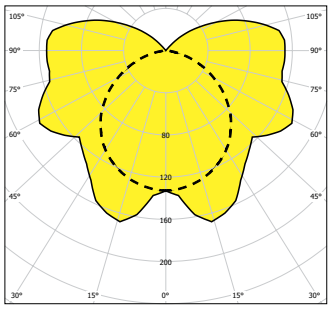
008060	Cable gland Ex M20x1,5
008097	Nut for cable gland and sealing plug
008090	Sealing plug Ex M20x1,5
051106	Plastic suspension bracket with accessories
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket
053630	Plastic mounting bracket (1 pc)
053628	Stainless steel mounting bracket (1 pc)

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

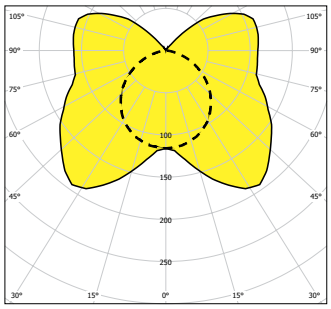
AQUA – N	
1x18W	Ex II 3D Ex tc IIIC T75°C Dc Ex II 3G Ex nA IIC T4 Gc
1x36W	Ex II 3D Ex tc IIIC T75°C Dc Ex II 3G Ex nA IIC T4 Gc
1x58W	Ex II 3D Ex tc IIIC T75°C Dc Ex II 3G Ex nA IIC T4 Gc

AQUA-N, 1x36W, IP68

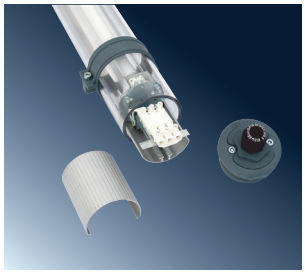


C0-C180 - - - - C90-C270

AQUA-N, 1x28W, IP68

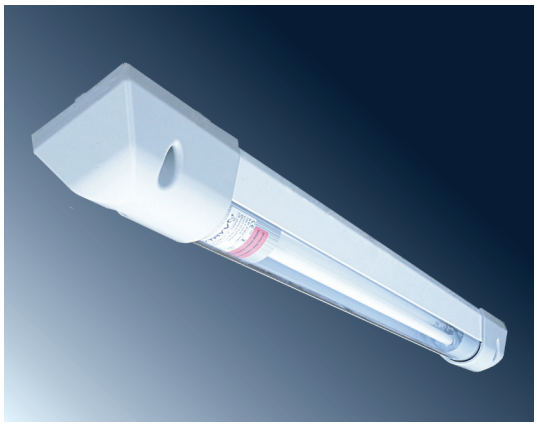


C0-C180 - - - - C90-C270



RAMBO – N

IP 67



Application: RAMBO-N dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. For outdoor use we recommend to order stainless steel body of the light fiting. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 02 ATEX 0446X).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 230V/50Hz

Body: White painted metal sheet RAL9003; plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area

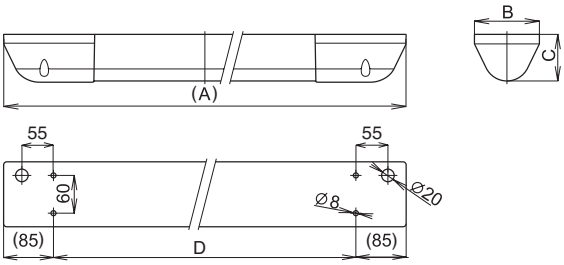
Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland,

On request: **1F/3F** – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finnishing

UV STABIL | 230 V 50 Hz | +40°C ≤ t_a ≤ -20°C | KVG | EVG | 1F | 3F | RAL

FTZÚ 02 ATEX 0446X



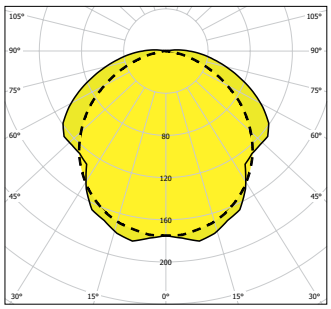
			AxBxCxD (mm)
– inductive ballast, -20°C ≤ t_a ≤ +40°C			
083678	RAMBO-N -118-K, 1x18W	T26/G13	1318 x 113 x 76 x 1148
083679	RAMBO-N-136-K, 1x36W		1909 x 113 x 76 x 1739
– special accessories			
008060	Cable gland Ex M20x1,5		
008097	Nut for cable gland and sealing plug		
008090	Sealing plug Ex M20x1,5		
004569	Screw with special head		
002020	Spanner for mounting and dismantling special screw		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

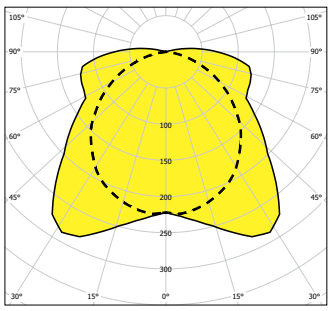
RAMBO-N	
1x18W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T75°C Dc
1x36W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T75°C Dc
1x58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T75°C Dc

RAMBO-N, 1x18W, IP 67



—— C0-C180 - - - - C90-C270

RAMBO-N, 1x54W, IP 67

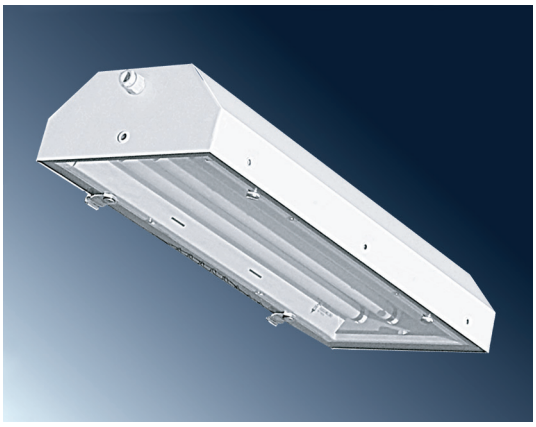


—— C0-C180 - - - - C90-C270

LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES – ZONE 2,22

PITBUL – N

IP 65



Application: PITBUL-N dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. They can be used in areas with difficult and expensive replacement of light sources. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 05 ATEX 0199X).

Ballast: **K** – electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 220-240V/50-60 Hz AC, 220-240V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

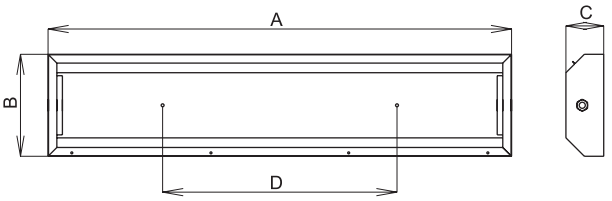
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

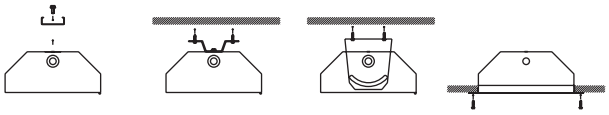
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **1F/3F** – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finishing
Providing with cable glands for armoured cables

230 V 50 Hz | +40°C ≤ t_a ≤ -20°C | KVG | EVG | 1F | 3F | 220-240 V 50-60 Hz | RAL

FTZÚ 05 ATEX 0199X





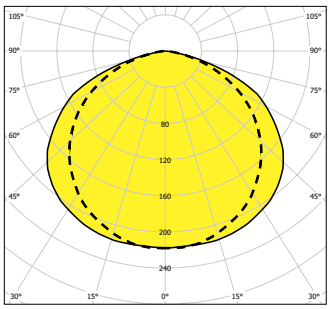
054935 053940 053941-053946

			AxBxCxD (mm)
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
053870	PITBUL-N-I-118-EP, 1x18 W	T26/G13	701 x 302 x 130 x 450
053871	PITBUL-N-I-218-EP, 2x18 W		701 x 302 x 130 x 450
053872	PITBUL-N-I-318-EP, 3x18 W		701 x 302 x 130 x 450
053873	PITBUL-N-I-418-EP, 4x18 W		701 x 362 x 130 x 450
053874	PITBUL-N-I-136-EP, 1x36 W		1312 x 302 x 130 x 800
053875	PITBUL-N-I-236-EP, 2x36 W		1312 x 302 x 130 x 800
053876	PITBUL-N-I-336-EP, 3x36 W		1312 x 302 x 130 x 800
053877	PITBUL-N-I-436-EP, 4x36 W		1312 x 362 x 130 x 800
053878	PITBUL-N-I-158-EP, 1x58 W		1611 x 302 x 130 x 1100
053879	PITBUL-N-I-258-EP, 2x58 W		1611 x 302 x 130 x 1100
053880	PITBUL-N-I-358-EP, 3x58 W		1611 x 302 x 130 x 1100
053881	PITBUL-N-I-458-EP, 4x58 W		1611 x 362 x 130 x 1100

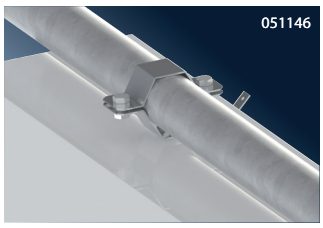
– special accessories

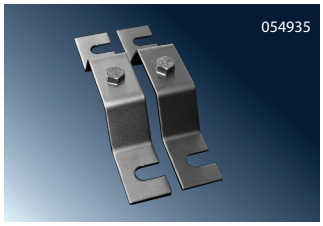
008060	Cable gland Ex M20x1,5
008097	Nut for cable gland and sealing plug
008090	Sealing plug Ex M20x1,5
053940	Set of bracket grips with accessory (2 pcs)
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)
053943	Recessed frame 1/2/3x36W – 384,4 x1385 mm (mounting hole 323 x 1353 mm)
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)
054935	Set of stainless steel ceiling brackets (2 pcs)
004642	Suspension bracket M8 (1 pc)
051146	Pole bracket for Ø50 mm

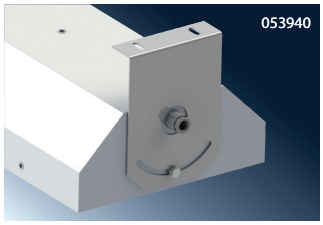
PITBUL-N, 2x36W, IP65



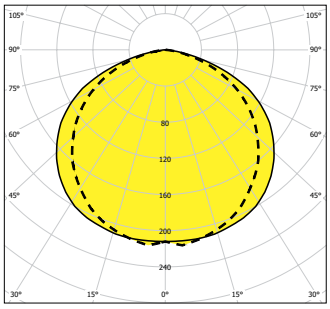
—— C0-C180 - - - - C90-C270







PITBUL-N, 4x58W, IP65



—— C0-C180 - - - - C90-C270

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas: Marking	Classification areas: Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

PITBUL-N		PITBUL-N-EP	
1x/2x/3x/4x18W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x18W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T78°C Dc
1x/2x/3x/4x36W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x36W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T78°C Dc
1x/2x/3x/4x58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T78°C Dc

PITBUL – N – ENDURA

IP 65

Application: PITBUL-N-ENDURA dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. They can be used in areas with difficult and expensive replacement of light sources. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 06 ATEX 0168X).

Ballast: **EP** – electronic ballast 220-240V/50-60Hz AC, 176-280V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

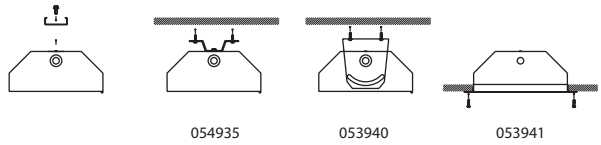
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

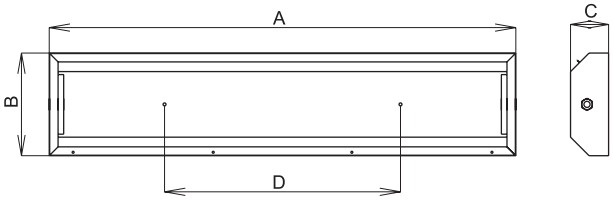
On request: **NEREZ** – body from stainless steel sheet
RAL – another colour finishing

230 V 50 Hz | +30°C ≤ t_a ≤ -20°C | EVG | RAL

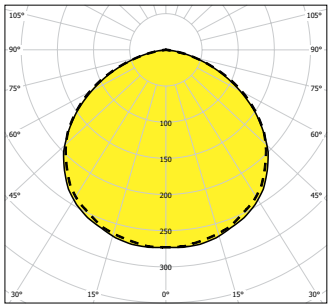
FTZÚ 06 ATEX 0168X



054935 053940 053941



PITBUL-N-ENDURA, 1x150W, IP65

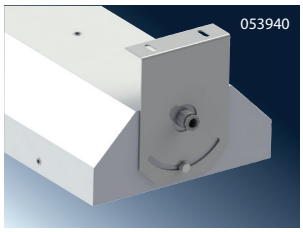


		AxBxCxD (mm)
– electronic ballast, -20°C ≤ t_a ≤ +30°C		
053927	PITBUL-N-ENDURA 1x70 W	701 x 302 x 130 x 450
053928	PITBUL-N-ENDURA 1x100 W	701 x 302 x 130 x 450
053929	PITBUL-N-ENDURA 1x150 W	701 x 302 x 130 x 450
– special accessories		
008060	Cable gland Ex M20x1,5	
008097	Nut for cable gland and sealing plug	
008090	Sealing plug Ex M20x1,5	
053940	Set of bracket grips with accessory (2 pcs)	
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)	
054935	Set of stainless steel ceiling brackets (2 pcs)	
004642	Suspension bracket M8 (1 pc)	

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

PITBUL-N-ENDURA	
1x70W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T87°C Dc
1x100W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T87°C Dc
1x150W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T87°C Dc



LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES – ZONE 2,22

FILA – N

IP 65

Application: FILA-N recessed dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. They can be used in paint boxes and paint shops. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 05 ATEX 0043X).

Ballast: EP – electronic ballast 220-240V/50-60Hz AC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening to the false ceiling on the wall (care must be taken on a sufficiently rigid carrier substrate)

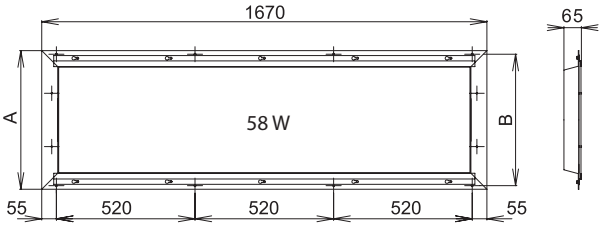
Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²

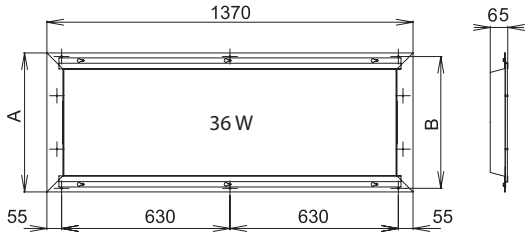
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

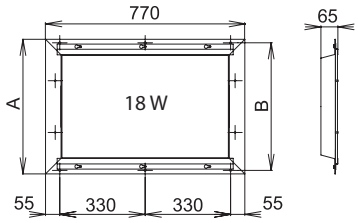
On request: **Em** – non-maintained emergency lighting (1 h, 3 h) – see page 176
MULTI – maintained emergency lighting (1 h, 3 h) – see page 176
1F/3F – one or three phase through-wiring connection
RAL – another colour finnishing
NEREZ – body from stainless steel sheet

220-240V 50-60Hz | +40°C ≤ t_a ≤ -20°C | +40°C ≤ t_a ≤ 0°C | KVG | EVG | EVG DIM | 1F | 3F | RAL | EXIT

FTZÚ 05 ATEX 0043X







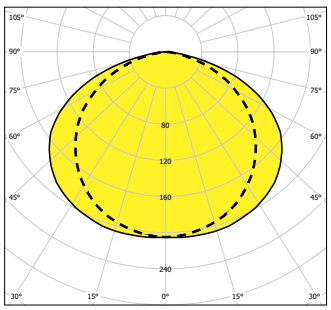
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
053976	FILA-N-218-EP, 2x18W	T26/G13	380 x 360
053954	FILA-N-236-EP, 2x36 W		380 x 360
053953	FILA-N-258-EP, 2x58 W		380 x 360
053977	FILA-N-336-EP, 3x36W		530 x 510
053983	FILA-N-358-EP, 3x58W		530 x 510
053952	FILA-N-418-EP, 4x18 W		530 x 510
053951	FILA-N-436-EP, 4x36 W		530 x 510
053950	FILA-N-458-EP, 4x58 W		530 x 510
– electronic ballast, maintained emergency mode, duration 1h, 0°C ≤ ta ≤ +40°C			
053958	MULTIFILA-N-236-EP, 2x36 W, 1h	T26/G13	380 x 360
053956	MULTIFILA-N-258-EP, 2x58 W, 1h		380 x 360
053959	MULTIFILA-N-418-EP, 4x18 W, 1h		530 x 510
053957	MULTIFILA-N-436-EP, 4x36 W, 1h		530 x 510
053955	MULTIFILA-N-458-EP, 4x58 W, 1h		530 x 510
– special accessories			
008060	Cable gland Ex M20x1,5		
008097	Nut for cable gland and sealing plug		
008090	Sealing plug Ex M20x1,5		

Application of light fixtures in areas with danger of explosion

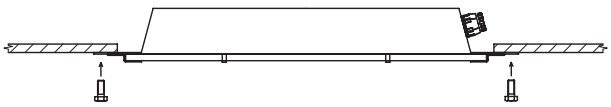
	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

FILA-N-EP	
2x36/58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T 60°C Dc
4x18/36/58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T 60°C Dc
MULTIFILA-N-EM	
2x36/58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T 60°C Dc
4x18/36/58W	Ex II 3G Ex nA IIC T4 Gc Ex II 3D Ex tc IIIC T 60°C Dc

FILA-N, 4x58W, IP65



C0-C180 - - - - C90-C270



Dimensions of mounting hole:
- 4x58W – 1550 x 482 mm
- 4x36W – 1250 x 482 mm
- 4x18W – 650 x 482 mm
- 2x58W – 1550 x 332 mm
- 2x36W – 1250 x 332 mm

K-2-N, K-3-N

IP 65

Application: K-2-N, K-3-N dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. They can be used in interior or exterior areas. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 06 ATEX 0058X).

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Alluminium casting

Cover: Tempered safety glass

Reflector: Aluminium hammer plate, anodized surface

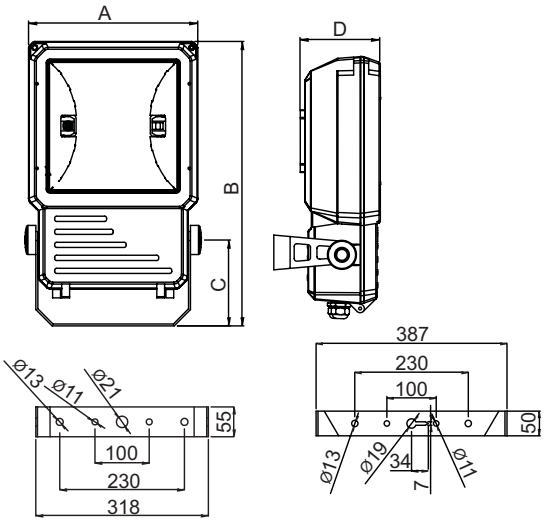
Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland

230 V 50 Hz | +40°C ≤ t_a ≤ -20°C | KVG

FTZÚ 06 ATEX 0058X



K-2-N **K-3-N**

– K-2-N, high pressure sodium discharge lamp HST, -20°C ≤ t_a ≤ +40°C			
054530	K-2-N-150S-SYM, E40, 1 x 150W	HST/E40	350 x 524 x 160 x 146
054531	K-2-N-150S-ASYM, E40, 1 x 150W		350 x 524 x 160 x 146
054532	K-2-N-250S-SYM, E40, 1 x 250W		350 x 524 x 160 x 146
054533	K-2-N-250S-ASYM, E40, 1 x 250W		350 x 524 x 160 x 146
– K-2-N, high pressure metal halide lamp HIT, -20°C ≤ t_a ≤ +40°C			
054529	K-2-N-150H-SYM, 1x150W, E40	HIT/E40	350 x 524 x 160 x 146
054528	K-2-N-150H-ASYM, 1x150W, E40		350 x 524 x 160 x 146
054534	K-2-N-250H-SYM, E40, 1 x 250W		350 x 524 x 160 x 146
054535	K-2-N-250H-ASYM, E40, 1 x 250W		350 x 524 x 160 x 146

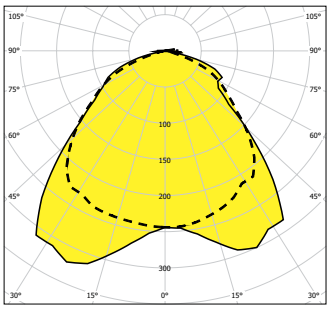
– K-3-N, high pressure sodium discharge lamp HST, -20°C ≤ t_a ≤ +40°C			
054540	K-3-N-250S-SYM, E40, 1x250W	HST/E40	452 x 660 x 218 x 180
054541	K-3-N-250S-ASYM, E40, 1x250W		452 x 660 x 218 x 180
054536	K-3-N-400S-SYM, E40, 1 x 400W		452 x 660 x 218 x 180
054537	K-3-N-400S-ASYM, E40, 1 x 400W		452 x 660 x 218 x 180
– K-3-N, high pressure metal halide lamp HIT, -20°C ≤ t_a ≤ +40°C			
054542	K-3-N-250H-SYM, E40, 1x250W, 3,0A	HIT/E40	452 x 660 x 218 x 180
054543	K-3-N-250H-ASYM, E40, 1x250W, 3,0A		452 x 660 x 218 x 180
054538	K-3-N-400H-SYM, E40, 1 x 400W		452 x 660 x 218 x 180
054539	K-3-N-400H-ASYM, E40, 1 x 400W		452 x 660 x 218 x 180

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

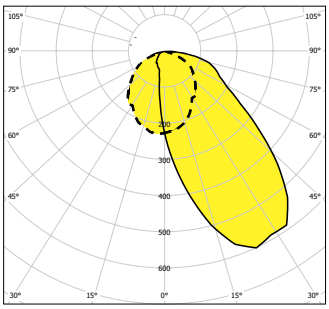
K-2-N		K-3-N	
150W/HST	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc	400W/HST	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc
150W/HIT	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc	400W/HIT	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc
250W/HST	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc	250W/HST	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc
250W/HIT	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc	250W/HIT	Ex II 3G Ex nA IICT1 Gc Ex II 3D Ex tc IIICT 181°C Dc

K-2-N, 1x250W, IP65



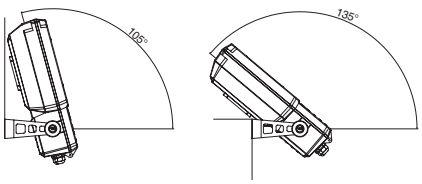
C0-C180 ---- C90-C270

K-3-N, 1x400W, IP65, assymetric reflector



C0-C180 ---- C90-C270

Permissible positions during operation of light fixture



DINGO – N

IP 54

Application: DINGO-N dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. They can be used in outdoor areas. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 11 ATEX 0205X).

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Plastic material GPR (polystyr filled with fibreglass), grey colour RAL7031

Cover: Plastic material PC (polycarbonate), transparent colour

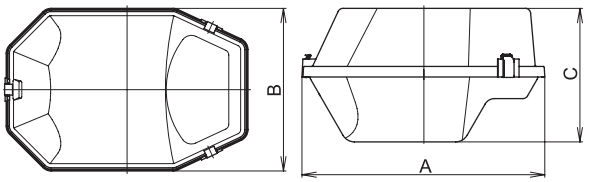
Fastening: Fastening by means of four types of grips (see – chart Special equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

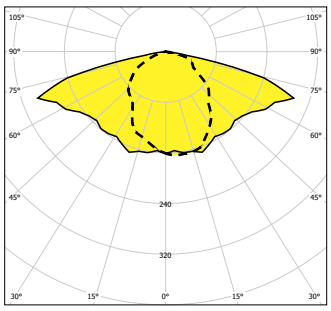
Standard equipment: 1 pc sealing cable gland

230 V 50 Hz | KVG | UV STABIL | -20° ta +30°C | -20°C ≤ ta ≤ +40°C

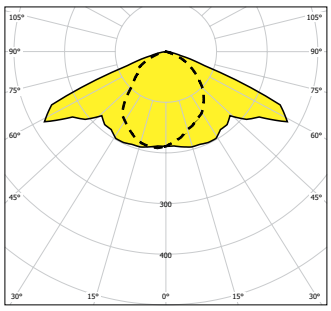
FTZU 11 ATEX 0205X



DINGO-N-70S, 1x70W



DINGO-N-150S, 1x150W



C0-C180 ---- C90-C270 C0-C180 ---- C90-C270

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

			A×B×C×D (mm)
– inductive ballast, -20°C ≤ t_a ≤ +30°C			
051090	DINGO-N-50S-PC, 1x50W	HSE/HST/E27	460 x 310 x 260
051091	DINGO-N-70S-PC, 1x70W	HSE/HST/E27	460 x 310 x 260
051092	DINGO-N-70H-PC, 1x70W	HIE/HIT/E27	460 x 310 x 260
051093	DINGO-N-100S-PC, 1x100W	HSE/HST/E40	460 x 310 x 260
051094	DINGO-N-100H-PC, 1x100W	HIE/HIT/E27	460 x 310 x 260
051095	DINGO-N-150S-PC, 1x150W	HSE/HST/E40	460 x 310 x 260
051096	DINGO-N-150H-PC, 1x150W	HIE/HIT/E27	460 x 310 x 260

Marking: S – high pressure sodium discharge lamp; **H** – metal halide lamp

– special accessories

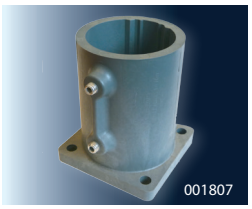
008060	Cable gland Ex M20x1,5
008097	Nut for cable gland and sealing plug
008090	Sealing plug Ex M20x1,5
001807	Bracket grip Ø 60 mm
051022	Bracket grip Ø 75 mm
001806	Pole grip Ø 60 mm
001810	Wall grip
001808	bracket for wall corner base
141020	Fastening on concrete pole, Ø 220 mm, L=150 mm
141021	Fastening on concrete pole, Ø 250 mm, L=500 mm
001803	Reduction Ø 60 / 50 mm

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1

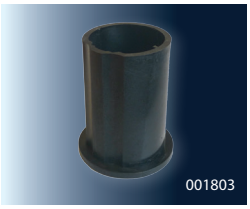
DINGO-N

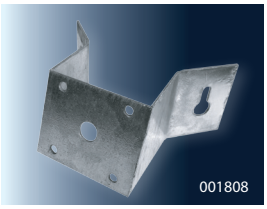
Ex II3G Ex nA IIA T1 Gc,
Ex II3D Ex tc IIIB T97°C Dc

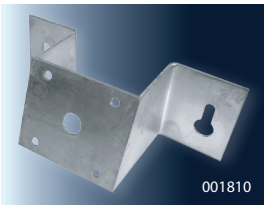

001807

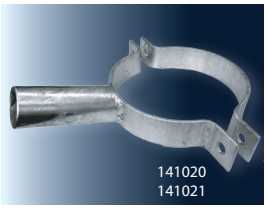
051022

001806


001803


001808


001810


141020
141021

EMERGENCY LIGHTING FIXTURES

STAR 22

IP 42

Application: STAR22 emergency light fixture is designed for lighting interior areas

Body: Plastic material ABS (acrylonitrile-butadiene-styrene)

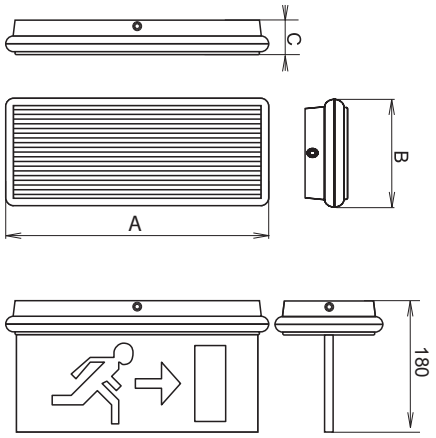
Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screws four-pole terminal block

Emergency lighting: non-maintained, maintained (M), central battery system (MAINS)

230 V 50 Hz | t_a 25°C | EVG | UV STABIL | EXIT



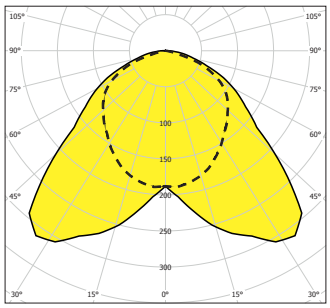
– luminaires for non-maintained emergency mode			
100080	STAR22- EL20, 1,5h, 1x8W	T16/G5	355 x 146 x 46
100081	STAR22- EL20-3H, 3h, 1x8W		355 x 146 x 46
100082	STAR22- EL20A, 1.5h, 1x11W	TC-SEL/2G7	355 x 146 x 46
100083	STAR22- EL20A-3H, 3h, 1x11W		355 x 146 x 46
100084	STAR22- EL20B, 1,5h, 1x18W	PL-L/2G11	355 x 146 x 46
100085	STAR22- EL20C, 1,5h, 2x8W	T16/G5	355 x 146 x 46
– luminaires for maintained emergency mode			
100086	STAR22- EL20M, 1,5h, 1x8W	T16/G5	355 x 146 x 46
100087	STAR22- EL20M-3H, 3h, 1x8W	PL-L/2G11	355 x 146 x 46
100088	STAR22- EL20AM, 1.5h, 1x11W	T16/G5	355 x 146 x 46
100089	STAR22- EL20AM-3H, 3h, 1x11W	TC-SEL/2G7	355 x 146 x 46
100090	STAR22- EL20BM, 1,5h, 1x18W	PL-L/2G11	355 x 146 x 46
–luminaires for central battery system			
100093	STAR22- EL20 MAINS	T16/G5	355 x 146 x 46
100094	STAR22- EL20A MAINS	TC-SEL/2G7	355 x 146 x 46
100095	STAR22- EL20B MAINS	PL-L/2G11	355 x 146 x 46
–luminaires with autotest			
100097	EL28-M-AUT	TC-SEL/2G7	355 x 146 x 46
100098	EL28-A-AUT	PL-L/2G11	355 x 146 x 46
100099	EL28- AM- AUT		355 x 146 x 46
100100	EL28-B-AUT	T16/G5	355 x 146 x 46
100101	EL28- BM- AUT		355 x 146 x 46

– special accessories

100218	EL20RW	Box for wall mounting
100217	EL20RB	Box for recessed mounting
100219	DS20	Double side diffuser
100216	EL20PSD	Panel and pictogram down
100215	EL20PSLR	Panel and pictogram left/right

- MAINS and AUT versions do not include set of pictograms

STAR22, 2x28W, IP 42



—— C0-C180 - - - - C90-C270

STAR IP65

IP 65

Application: STAR IP65 emergency dustproof light fixture with resistance against water jets is designed for lighting interior areas with requirements for resistance against dust and moisture, i.e. industrial spaces and halls, sport centers, hospitals, schools, offices and corridors.

Body: Plastic material ABS (acrylonitrile-butadiene-styrene)

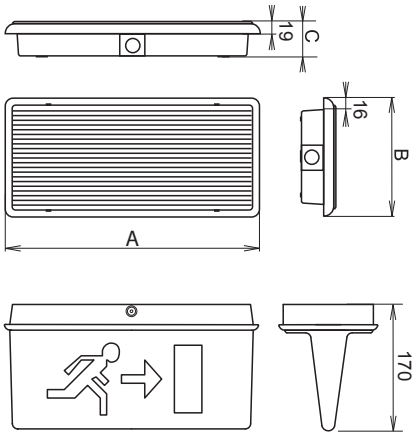
Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screws four-pole terminal block

Emergency lighting: non-maintained, maintained (M), central battery system (MAINS)

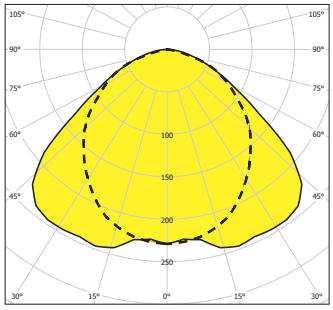
230 V 50 Hz | t_a 25°C | EVG | UV STABIL | EXIT



– luminaires for non-maintained emergency mode			
100110	STAR IP65- EL65, 1,5h	T16/G5	365 x 170 x 51
100111	STAR IP65- EL65-3H, 3h		365 x 170 x 51
100112	STAR IP65- EL65A, 1,5h	TC-SEL/2G7	365 x 170 x 51
100113	STAR IP65- EL65A-3H, 3h		365 x 170 x 51
100114	STAR IP65- EL65B, 1,5h	PL-L/2G11	365 x 170 x 51
– luminaires for maintained emergency mode			
100115	STAR IP65- EL65M, 1,5h	T16/G5	365 x 170 x 51
100116	STAR IP65- EL65M-3H, 3h		365 x 170 x 51
100117	STAR IP65- EL65AM, 1,5h	TC-SEL/2G7	365 x 170 x 51
100118	STAR IP65- EL65AM-3H, 3h		365 x 170 x 51
100119	STAR IP65- EL65BM, 1,5h	PL-L/2G11	365 x 170 x 51
– luminaires for central battery system			
100120	STAR IP65- EL65 MAINS	T16/G5	365 x 170 x 51
100121	STAR IP65- EL65A MAINS	TC-SEL/2G7	365 x 170 x 51
100122	STAR IP65- EL65B MAINS	PL-L/2G11	365 x 170 x 51
– luminaires with autotest			
100123	EL65-AUT	T16/G5	365 x 170 x 51
100124	EL65A-AUT	TC-SEL/2G7	365 x 170 x 51
100125	EL65B-AUT	PL-L/2G11	365 x 170 x 51
100126	EL65M-AUT	T16/G5	365 x 170 x 51
– special accessories			
100221	DS65	Double side diffuser	
100222	EL65RBL	Box for recessed mounting	

- MAINS and AUT versions do not include set of pictograms.

STAR IP65 1x8W, IP 65



—— C0-C180 - - - - C90-C270

LEDUS

IP 42

Application: LEDUS emergency light fixture is designed for lighting interior areas

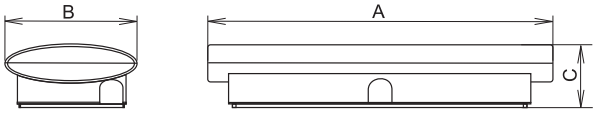
Body: Plastic material ABS (acrylonitrile-butadiene-styrene)

Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screws four-pole terminal block

Emergency lighting: non-maintained and maintained



			AxBxC (mm)
– luminaires for non-maintained/maintained emergency mode			
100022	LEDUS8, 2h	LED	260x100x45
100025	LEDUS8-ES-opal diffuser		345x133x63
100027	LEDUS8-3h		260x100x45
100029	LEDUS16, 2h		345x133x63
– special accessories LEDUS8			
100200	Panel and pictogram left/right		
100201	Panel and pictogram down		
100202	Box for recessed mounting		
– special accessories LEDUS16			
100203	Panel and pictogram left/right		
100204	Panel and pictogram down		
100266	Box for recessed mounting		

– technical parameters

Description	Duration	Luminous flux
LEDUS8	2 h	55lm
LEDUS16	2 h	95lm

CRONUS

IP 40

Application: CRONUS emergency light fixture is designed for lighting interior areas.

Body: Plastic material ABS (acrylonitrile-butadiene-styrene)

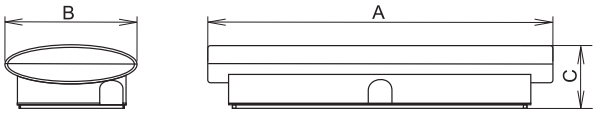
Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screws four-pole terminal block

Standard equipment: Lamp 8W/840, pictograms

Emergency lighting: non-maintained and maintained (M)



			AxBxC (mm)
– luminaires for non-maintained emergency mode			
100015	CRONUS-108, 1x8W, 1,5h EL8	T16/G5	345 x 133 x 63
100016	CRONUS-108, 1x8W, 3h		345 x 133 x 63
–luminaires for maintained emergency mode			
100017	CRONUS-108, 1x8W, 3h EL8- 3H	T16/G5	345 x 133 x 63
100018	CRONUS-108, 1x8W, 3h- EL8M- 3H		345 x 133 x 63

– special accessories

100203	Cronus, panel and pictogram left/right
100204	Cronus, panel and pictogram down

– technical parameters

Description	Duration	Lamp / luminous flux	% emergency factor
EL8-CRONUS	1,5 h	8W/500lm	45%
EL8-3H-CRONUS	3 h	8W/500lm	45%
EL8M-CRONUS	1,5 h	8W/500lm	45%
EL8M-3H-CRONUS	3 h	8W/500lm	45%

Duration = nominal duration of the emergency operation

SKOPOS

IP 40

Application: SKOPOS emergency light fixture is designed for lighting interior areas.

Body: Plastic material ABS (acrylonitrile-butadiene-styrene)

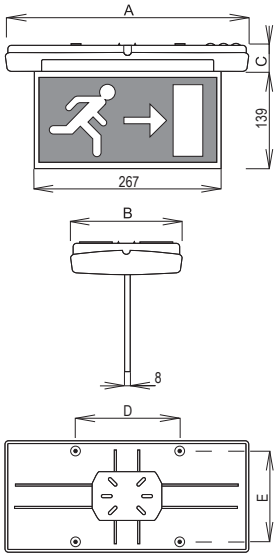
Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screws four-pole terminal block

Standard equipment: Lamp 8W/840, pictograms

230 V 50 Hz | t_a 25°C | EVG | UV STABIL | EXIT | EAC | CE



			AxBxCxDxE (mm)
– luminaires for non-maintained emergency mode			
100180	SKOPOS 1x8W, 1h	T16/G5	350 x 160 x 45 x 150 x 130
			350 x 160 x 45 x 150 x 130
– luminaires for maintained emergency mode			
100181	SKOPOS 1x8W, 1h	T16/G5	350 x 160 x 45 x 150 x 130
100182	SKOPOS 1x8W, 1h, finish for panel and pictogram – see special equipment		
– special accessories			
100255	Skopos, panel and pictogram left/right		
100256	Skopos, panel and pictogram down		

*** Suspended pictogram could be installed just for code 100182.**

100256

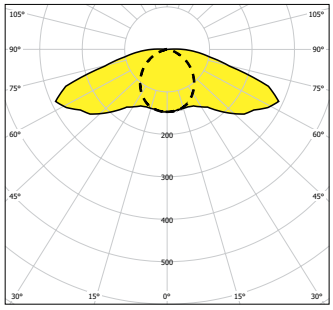
100255

– technical parameters

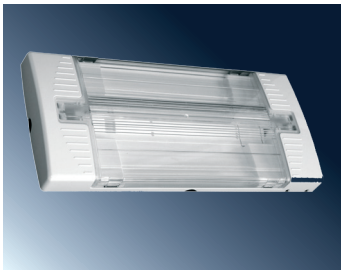
Description	Duration	Lamp / luminous flux	% emergency factor
BLK-1025-SKOPOS 1x8W, non-maintained, 1h	1,0 h	8W/500lm	45%
BLK-1425-SKOPOS 1x8W, maintained, 1h	1,0 h	8W/500lm	45%

Duration = nominal duration of the emergency operation

SKOPOS, 1x8W, IP 40



—— C0-C180 - - - - C90-C270



ATLANTIC

IP 65

Application: ATLANTIC emergency dustproof light fixture with resistance against water jets is designed for lighting interior and outdoor areas, i.e. industrial spaces and halls, sport centers, hospitals, schools, offices and corridors.

Body: Plastic material PC (polycarbonate), UV stable

Cover: Plastic material PC (polycarbonate), transparent colour

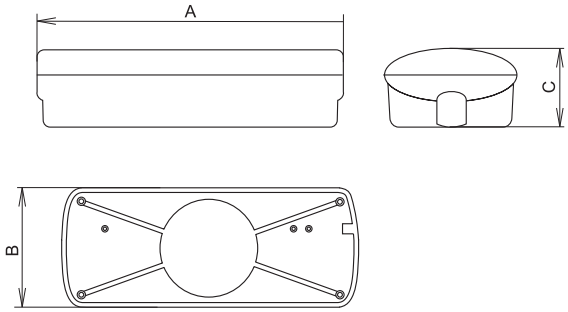
Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screws four-pole terminal block

Standard equipment: compact fluorescent lamp DULUX S/E 9W or DULUX S/E 11W

Emergency lighting: maintained (ATM), non-maintained (ATN) (see page 176)

230 V 50 Hz | t_a 25°C | EVG | UV STABIL | EXIT | EAC | CE



– luminaires for non-maintained emergency mode			
100132	ATN-3h-ATLANTIC 1x8W, non-maintained, 3h	T16/G5	330 x 135 x 80
– luminaires for maintained emergency mode			
100133	ATM-3h-ATLANTIC 1x8W, maintained, 3h	T16/G5	330 x 135 x 80

– technical parameters

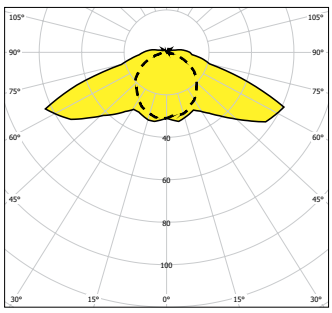
Description	Duration	Lamp / luminous flux	% emergency factor
ATLANTIC 8W	3 h	8W/500lm	45%
ATLANTIC 8W	3 h	8W/500lm	45%

Duration = nominal duration of the emergency operation

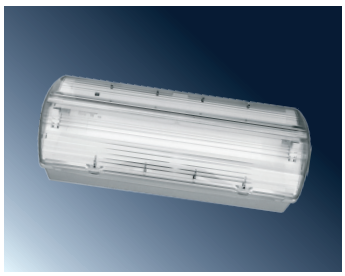
– special accessories

100267	Set of pictogram ATLANTIC

ATLANTIC, 1x8W, IP65



—— C0-C180 - - - - C90-C270



SIRIOS

IP 42

Application: SIRIOS emergency dustproof light fixture with resistance against water jets is designed for lighting interior areas with requirements for resistance against dust and moisture, i.e. industrial spaces and halls, sport centers, hospitals, schools, offices and corridors.

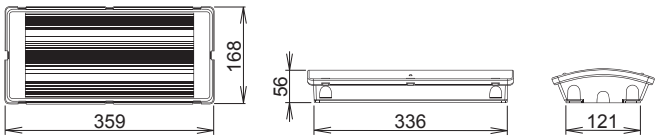
Body: Plastic material ABS (acrylonitrile-butadiene-styrene)

Reflector : Plastic material ABS (acrylonitrile-butadiene-styrene)

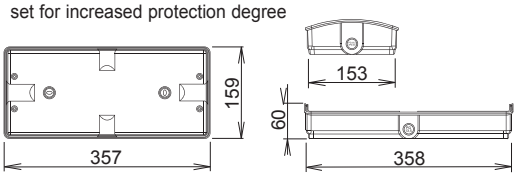
Cover : Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

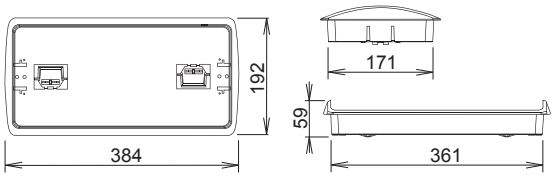
Connection: Screwless terminal block



set for increased protection degree



base for recessed installation



		(lm)*	AxB (mm)
– luminaires for non-maintaned emergency lighting			
100030	O-S8-SIRIOS-8W, 1,5h	85	359 x 168
100031	O-S8-3H-SIRIOS-8W, 3h	85	359 x 168
100034	O-S11-SRIOS-11W, 1,5h	180	359 x 168
100035	O-S11-3H-SIRIOS-11W, 3h	180	359 x 168
100036	O-S18-SIRIOS-18W, 1,5h	268	359 x 168
100037	O-S18-3H-SIRIOS-18W, 3h	268	359 x 168
100038	O-S24-SIRIOS-24W, 1,5h	330	359 x 168
100039	O-S24-3H-SIRIOS-24W, 3h	330	359 x 168
– luminaires for maintaned emergency lighting			
100040	O-S8M-SIRIOS-8W, 1,5h	85	359 x 168
100041	O-S8M-3H-SIRIOS-8W, 3h	85	359 x 168
100042	O-S11M-SIRIOS-11W, 1,5h	180	359 x 168
100043	O-S11M-3H-SIRIOS-11W, 3h	180	359 x 168
100044	O-S18M-SIRIOS-18W, 1,5h	268	359 x 168
100045	O-S18M-3H-SIRIOS-18W, 3h	268	359 x 168
100046	O-S24M-SIRIOS-24W, 1,5h	330	359 x 168
100047	O-S24M-3H-SIRIOS-24W, 3h	330	359 x 168
– luminaires for central battery system			
100050	O-S8Mains-SIRIOS-8W		359 x 168
100051	O-S11Mains-SIRIOS-11W		359 x 168
100052	O-S18Mains-SIRIOS-18W		359 x 168
100053	O-S24Mains-SIRIOS-24W		359 x 168
– luminaires with autotest			
100062	O-S8-AT-SIRIOS-8W, 1h	200	359 x 168
100064	O-S11-AT-SIRIOS-11W, 1h	220	359 x 168
100066	O-S18-AT-SIRIOS-18W, 1h	230	359 x 168
100068	O-S24-AT-SIRIOS-24W, 1h	330	359 x 168
100070	O-S8M-AT-SIRIOS-8W, 1h	200	359 x 168
100072	O-S11M-AT-SIRIOS-11W, 1h	220	359 x 168
100074	O-S18M-AT-SIRIOS-18W, 1h	230	359 x 168
100076	O-S24M-AT-SIRIOS-24W, 1h	330	359 x 168

- MAINS and AUT versions do not include set of pictograms.

DIOS

IP 65

Application: LED emergency model series DIOS as dustproof light fixture with resistance against water jets is designed for lighting interior areas with requirements for resistance to external influences.

Body: Plastic material PC/ABS + ALU, RAL 9003

Cover: OP – optical PMMA cover

Reflector: White painted metal sheet RAL 9003

Fastening: Direct or recessed fastening on ceiling or wall lighted area or with suspended pictograms on cable suspenders

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: RAL – another colour finnishing (RAL 7035, RAL 9004)

EXIT | EVG | 230 V 50 Hz | 170-280 V 0 Hz | t_a 40°C | UV STABIL

DIRECT INSTALLATION

RECESSED INSTALLATION

DIOS 3W

DIOS 3W COR

DIOS 9W

DIOS 9W COR

		Modul	AxB (mm)
– luminaires fior non-maintained emergency lighting			
*141615	DIOS-COR-1-3W-ST, 1 h*	LED	155 x 66,5
*141616	DIOS-COR-3-3W-ST, 3 h*		155 x 66,6
*141617	DIOS-COR-1-9W-ST, 1 h*		170 x 66,5
*141618	DIOS-COR-3-9W-ST, 3 h*		170 x 66,6
*141619	DIOS-COR-1-3W-AT, 1 h*		155 x 66,5
*141620	DIOS-COR-3-3W-AT, 3 h*		155 x 66,6
**141621	DIOS-COR-1-9W-AT, 1 h**		170 x 66,5
**141622	DIOS-COR-3-9W-AT, 3 h**		170 x 66,6
**141623	DIOS-COR-1-3W-DATA, 1 h**		155 x 66,5
**141624	DIOS-COR-3-3W-DATA, 3 h**		155 x 66,6
**141625	DIOS-COR-1-9W-DATA, 1 h**		170 x 66,5
**141626	DIOS-COR-3-9W-DATA, 3 h**		170 x 66,6

		Modul	AxB (mm)
– luminaires for central battery systém			
141612	DIOS-CB-3W	LED	155 x 66,5
141613	DIOS-CB-9W		170 x 66,6
141627	DIOS-COR-CB-3W		155 x 66,5
141628	DIOS-COR-CB-9W		170 x 66,6

** automatic test
* manual test

Description	Duration	Luminous flux
– technical parameters		
Dios - 3W	1h, 3h	175 lm
Dios - 9W	1 h	517 lm
Dios - 9W	3 h	370 lm
Dios COR-3W	1 h, 3 h	159 lm
Dios COR-9W	1 h	477 lm
Dios COR-9W	3 h	361 lm

VELOS

IP 20

Application: VELOS LED emergency light fixture with low profile is equipped with a number of accessories and offers a wide use. It meets requirements for emergency lighting in offices, restaurants, hotels, hospitals and for commercial use.

Body: Plastic material PC (polykarbonate)

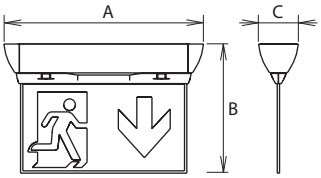
Reflector: Plastic material PC (polykarbonate)

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwless terminal block for outer easy mounting, max. diameter of wires 2,5 5mm²

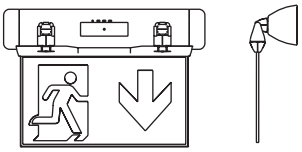
CE | EAC | t_a 25°C | EVG | EXIT | 230 V 50 Hz | UV STABIL

ceiling for installatiion



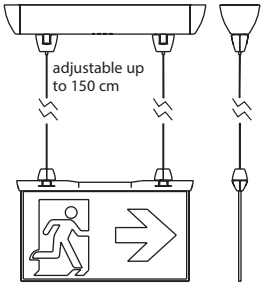
feeding source
+ security mark
➔ Velos

wall for installation



FLEXI hinge

installation by means of adjustable suspender



cable suspender 150 cm

		Modul	AxBxC (mm)
– luminaires for emergency lighting			
100000	O-ESC-VELOS, 1,5h	LED	346 x 224 x 69
100001	O-ESC-3H-VELOS, 3h		346 x 224 x 69
100002	O-ESMains-VELOS		346 x 224 x 69
100003	O-ESC-AT-VESLOS, 1h		346 x 224 x 69
100004	O-ESC-AT-3H-VELOS, 3h		346 x 224 x 69
– special accessories			
100270	O-ESA-RB Recessed base Velos		
100271	O-ESA-FLEX-FLEXI joint Velos		
100272	O-ESA-RSA Adjustable cable suspender 150 cm Velos		
100273	O-ESA-PS30 Tube suspender Velos 48 cm (ISO30061)		
100274	O-ESA-LMB Base for mounting perpendicular Velos		
100275	O-ESA-BMB Base for wall mounting Velos		
100276	O-ESP-ELR Pictogram Velos EURO LEFT/RIGHT 30 m		
100277	O-ESP-ED-Pictogram Velos EURO DOWN/BLANK 30 m		
100278	O-ESP-EDD-Pictogram Velos EURO DOWN/DOWN 30 m		
100279	O-ESP-EU-Pictogram Velos EURO UP/BLANK 30 m		
100280	O-ESP-EUU-Pictogram Velos EURO UP/UP 30 m		
100281	O-ESP-E2R-Pictogram Velos EURO transverse to room		
100282	O-ESP-E2W-Pictogram Velos EURO transverse to wall		

PLANETE 60D

IP 41

Application: PLANETE 60 LED emergency light fixture is designed for lighting interior areas,for maintained emergency lighting.

Body: Plastic material PC (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwless terminal block, max. diameter of wires 2,5 mm²

		Leds number	AxB (mm)
– luminaires for maintaned emergency lighting			
100172	LUM17002-PLANETE, 1h	2 white Led	240 x 137
– special accessories			
100199	LUM10514 Recessed base		
100198	LUM10518 Pictogram left/right		
100197	LUM10517 Pictogram down		

NEXILITE

IP40/IP 65

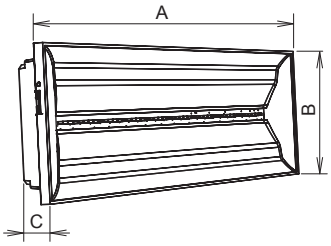
Application: NEXILITE LED emergency light fixture is designed for lighting interior and outdoor areas.

Body: Plastic material PC (polycarbonate)

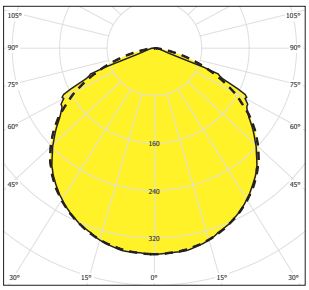
Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwless terminal block, max. diameter of wires 2,5 mm²

		Modul	AxB (mm)
– light fixtures for non-maintaned emergency lighting			
100150	NXL100-NEXILITE, 1 h		292 x 111 x 40
100151	NXL150-NEXILITE, 1 h	LED	292 x 111 x 40
100152	NXL250-NEXILITE, 1 h		292 x 111 x 40
– light fixtures for non-maintaned / maintained emergency lighting			
100153	NXL150-3H-NEXILITE, 3 h	LED	292 x 111 x 40
100154	NXL250-3H-NEXILITE, 3 h		292 x 111 x 40
– special accessories			
100283	NEXI-PLEXL-DD Pictogram NEXILITE double-side panel DOWN/DOWN 30m		
100284	NEXI-PLEXL-LR Pictogram NEXILITE double-side panel LEFT/RIGHT 30m		
100285	NEXI-PLEXL-DB Pictogram NEXILITE double-side panel DOWN/BLANK 30m		
100286	NEXI-PICTO-D Pictogram NEXILITE one-side panel DOWN 20m		
100287	NEXI-PICTO-L Pictogram NEXILITE one-side panel LEFT 20m		
100288	NEXI-PICTO-L Pictogram NEXILITE one-side panel RIGHT 20m		
100289	NEXI-PICTO-L Pictogram NEXILITE one-side panel UP 20m		
100290	NEXI-IP NEXILITE Set IP65		
100291	NEXI-RB NEXILITE Flush mounting base (switch 277x100m)		
100292	NEXI-FC NEXILITE Adapter into ceiling (switch 272x95mm)		
100293	LUM10312 NEXILITE Remote command for sleep and test		



NEXILITE 24W, IP40/IP65



C0-C180 - - - - C90-C270

BASET – I, MULTIBASET – I

IP 66

Application: BASET-I, MULTIBASET-I emergency dustproof light fixture with resistance against water jets is designed for lighting interior areas with requirements for resistance to external influences.

Body: Plastic material ABS (acrylonitrile-butadiene-styrene) or PC (polycarbonate), grey colour RAL7035, chemical resistance (see page 178)

Cover: Plastic material SAN (styrene-acrylonitrile) or PC (polycarbonate), transparent colour, chemical resistance (see page 178)

Reflector: White painted metal sheet RAL 9003

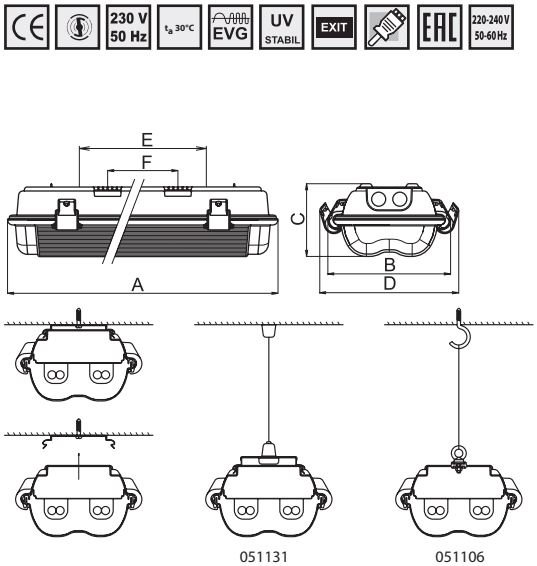
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 2 pcs sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, compact fluorescent lamp DULUX S/E 9W or DULUX S/E 11W, pictograms

On request: GESIS – possibility to equip light fixtures with connectors

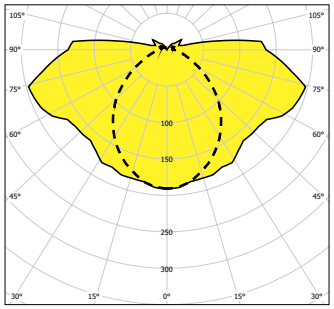
Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em) – see page 176



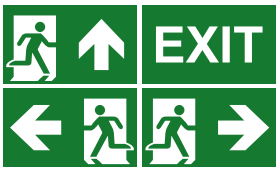
F – spacing of self-locking fastening springs
E – spacing of suspension brackets

			AxBxCxDxExF (mm)
– luminaires for non-maintained emergency mode			
052042	BASET-I-111-PMMA, 1 x 11W, 1h	TC-SEL/2G7	338 x 186 x 105 x 210 x 232 x 100
052007	BASET-I-111-PC, 1 x 11W, 1h		338 x 186 x 105 x 210 x 232 x 100
052037	BASET-I-109-PMMA, 1 x 9W, 1h		338 x 186 x 105 x 210 x 232 x 100
052039	BASET-I-109-PC, 1 x 9W, 1h		338 x 186 x 105 x 210 x 232 x 100
052024	BASET-I-111-PMMA, 1 x 11W, 3h		338 x 186 x 105 x 210 x 232 x 100
052025	BASET-I-111-PC, 1 x 11W, 3h		338 x 186 x 105 x 210 x 232 x 100
052008	BASET-I-109-PMMA, 1 x 9W, 3h		338 x 186 x 105 x 210 x 232 x 100
052018	BASET-I-109-PC, 1 x 9W, 3h		338 x 186 x 105 x 210 x 232 x 100
– luminaires for maintained emergency mode			
052043	MULTIBASET-I-111PMMA, 1 x 11W, 1h	TC-SEL/2G7	338 x 186 x 105 x 210 x 232 x 100
052005	MULTIBASET-I-111-PC, 1 x 11W, 1h		338 x 186 x 105 x 210 x 232 x 100
052038	MULTIBASET-I-109-PMMA, 1 x 9W, 1h		338 x 186 x 105 x 210 x 232 x 100
052044	MULTIBASET-I-109-PC, 1 x 9W, 1h		338 x 186 x 105 x 210 x 232 x 100
052026	MULTIBASET-I-111PMMA, 1 x 11W, 3h		338 x 186 x 105 x 210 x 232 x 100
052027	MULTIBASET-I-111-PC, 1 x 11W, 3h		338 x 186 x 105 x 210 x 232 x 100
052009	MULTIBASET-I-109-PMMA, 1 x 9W, 3h		338 x 186 x 105 x 210 x 232 x 100
052019	MULTIBASET-I-109-PC, 1 x 9W, 3h		338 x 186 x 105 x 210 x 232 x 100
– luminaires for central battery system			
051996	BASET-CB-PC-111-EP,1x11W,IP66	TC-SEL/2G7	338 x 186 x 105 x 210 x 232 x 100
051997	BASET-CB-PMMA-111-EP,1x11W,IP66		338 x 186 x 105 x 210 x 232 x 100
051998	BASET-CB-PC-109-EP,1x9W,IP66		338 x 186 x 105 x 210 x 232 x 100
051999	BASET-CB-PMMA-109-EP,1x9W,IP66		338 x 186 x 105 x 210 x 232 x 100
– luminaires for non-maintained emergency mode (FROST)			
051980	BASET-I-PC-FROST-109, 1x9W, 1h, -15°C	2G7	338 x 186 x 105 x 210 x 232 x 100
051981	BASET-I-PC-FROST-111, 1x11W, 1h, -15°C		338 x 186 x 105 x 210 x 232 x 100
–luminaires for maintained emergency mode (FROST)			
051982	MULTIBASET-I-PC-FROST-109, 1x9W, 1h, -15°C	2G7	338 x 186 x 105 x 210 x 232 x 100
051983	MULTIBASET-I-PC-FROST-111, 1x11W, 1h, -15°C		338 x 186 x 105 x 210 x 232 x 100
–special accessories			
051106	Plastic suspension bracket with accessories		
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		

BASET-I, 1x11W, IP 66



C0-C180 - - - - C90-C270



–technical parameters MULTIBASET – I

Description	Duration	Lamp / luminous flux	% emergency factor
MULTIBASET-I, 1 x 9W	3 h	9W/600lm	100%/15%
MULTIBASET-I, 1 x 11W	3 h	11W/900lm	100%/15%
MULTIBASET-I, 1 x 9W	1 h	9W/600lm	100%/13%
MULTIBASET-I, 1 x 11W	1 h	11W/900lm	100%/13%

Duration = nominal duration of the emergency operation

– technical parameters BASET – I

Description	Duration	Lamp / luminous flux	% emergency factor
BASET-I, 1 x 9W	3 h	9W/600lm	15%
BASET-I, 1 x 11W	3 h	11W/900lm	15%
BASET-I, 1 x 9W	1 h	9W/600lm	13%
BASET-I, 1 x 11W	1 h	11W/900lm	13%

KOKR, MULTIKOKR

IP 42

Application: KOKR, MULTIKOKR emergency light fixture is designed for lighting interior areas. KOKR is for non-maintained emergency lighting, MULTIKOKR is for maintained emergency lighting.

Body: Plastic material PC (polycarbonate), chemical resistance (see page 178)

Cover: Plastic material PC (polycarbonate), transparent colour, chemical resistance (see page 178)

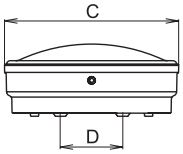
Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: compact fluorescent lamp DULUX S/E 9W or DULUX S/E 11W, pictograms

Emergency lighting: maintained, non-maintained (see page 176)

230 V 50 Hz | t_a 25°C | EVG | UV STABIL | EXIT



			AxBxCxDxE (mm)
– luminaires for non-maintained emergency mode			
050213	KOKR-106, 1 x 6W, 1h	T16/G5	78 x 323 x 168 x 60 x 280
050214	KOKR-108, 1 x 8W, 1h		78 x 323 x 168 x 60 x 280
050255	KOKR-109, 1 x 9W, 1h	TC-SEL/2G7	78 x 323 x 168 x 60 x 280
050208	KOKR-111, 1 x 11W, 1h		78 x 323 x 168 x 60 x 280
050210	KOKR-108, 1 x 8W, 3h	T16/G5	78 x 323 x 168 x 60 x 280
050212	KOKR-109, 1 x 9W, 3h	TC-SEL/2G7	78 x 323 x 168 x 60 x 280
050211	KOKR-111, 1 x 11W, 3h		78 x 323 x 168 x 60 x 280
– luminaires for maintained emergency mode			
050257	MULTIKOKR-106, 1 x 6W, 1h	T16/G5	78 x 323 x 168 x 60 x 280
050258	MULTIKOKR-108, 1 x 8W, 1h		78 x 323 x 168 x 60 x 280

–technical parameters KOKR

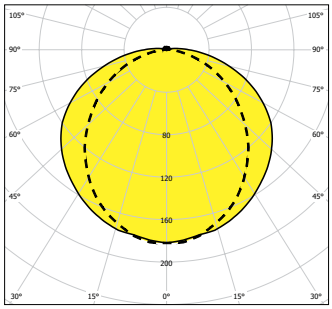
Description	Duration	Lamp / luminous flux	% emergency factor
KOKR, 1 x 8W	3 h	8W/470lm	15%
KOKR, 1 x 9W	3 h	9W/600lm	15%
KOKR, 1 x 11W	3 h	11W/900lm	15%
KOKR, 1 x 6W	1 h	6W/240lm	13%
KOKR, 1 x 8W	1 h	8W/470lm	13%
KOKR, 1 x 9W	1 h	9W/600lm	13%
KOKR, 1 x 11W	1 h	11W/900lm	13%

– technical parameters MULTIKOKR

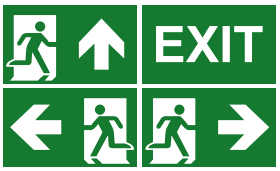
Description	Duration	Lamp / luminous flux	% emergency factor
MULTIKOKR, 1 x 6W	1 h	6W/240lm	100%/13%
MULTIKOKR, 1 x 8W	1 h	8W/470lm	100%/13%

Duration = nominal duration of the emergency operation

KOKR, 1x8W, IP42



—— C0-C180 - - - - C90-C270



SYSTEMS OF EMERGENCY AND SAFETY LIGHTING

Increased demands for safety of people in the buildings carry the necessity to secure it in case of power failure. For project processing it is necessary to respect the factors as followed:
- type of building,
- the size of building,
- functions and operations provided in building,
- movement of persons in buiding,
- expected number of of emergency luminaires.

Emergency and safety lighting must comply with requirements as followed :
- Escape and safety lighting must guarantee safe escape of people from burned area, otherwise here is a possibilty of legal sanction.
- Escape lighting must comply with conditions for safe escape not only in case of final inspection, but also for all the period of building used
- In prescribed areas must be ensured safety lighting operated for all the period of building used
- Keep the records about escape and safety lighting and able to be presented for inspection.
- Operation records must confirm the providing of prescribed tests with positive result.

Attention - in case of installation of emergency luminaires in outdoor areas with permanent low temperature it is necessary to use the luminaire with proper parameters or to install it as lighting part in cool area and the rest (emergency unit, battery etc.) in area convenient for operation.
The other possibility is to have it in maintained emergency mode.

Luminous output of emergency luminaires :

Powered from central battery		with own built-in battery
75% Φnom.	X	25-35% Φnom.

Generally valid advantages of system with central accumulating battery :

- maintenance of central source – changed just one accumulating battery on one place once for 10 years
- higher luminous output of emergency luminaire
- monitoring equipment is integrated in the system with central accumulating battery and does not mean such unexpected increasing of investment
- greatly higher efficiency and reliability for transformation of accumulating electric energy from the battery for lighting - emergency source operate without transformer
- problem-free realization of function CENTRAL-STOP and TOTAL-STOP

Generally valid disadvantages of system with central accumulating battery :

- in case of interrupted feeding line circuit for emergency luminaires this circuit will be non-functional
- necessity to use fire resistant cables
- necessity to use fire resistant lines
- necessity to use fire resistant multi-storey distribution boards
- high purchasing price

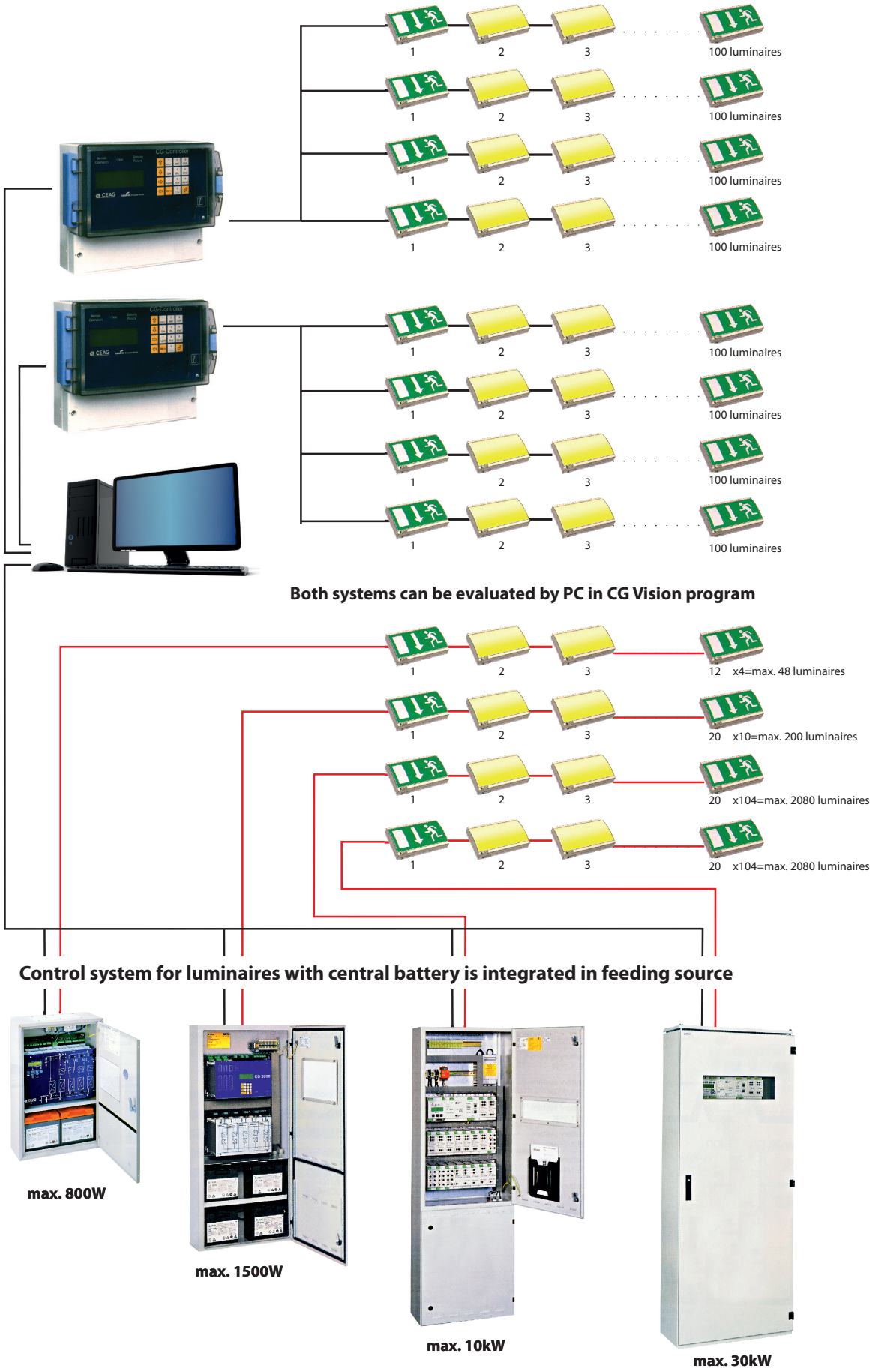
Generally valid advantages of system with own accumulators:

- light always, when get order regardless of feeding line condition
- simple installation
- maximum variability
- connection from multi-storey distribution board by means of standard cables
- low purchasing price

Generally valid disadvantages of system with own accumulators:

- maintenance – change of accumulator in every luminaire appr. twice per 10 years (according to information from monitoring PC system)
- lower luminous output of emergency luminaire
- necessity of higher number of luminaires
- necessity to add installed luminaires by monitoring system with separate data pack complicated realization of functions CENTRAL-STOP and TOTAL-STOP decreasing the advantages of simple installation , variability and low purchasing price

Example of control system CEAG for luminaires with built-in battery



SMART LINE

Luminaires with integrated LED modules for emergency and safety lighting

Application of SMART LINE luminaires

The lighting fixtues equipped with SMART LINE systém are used for antipatic and emergency lighting according to directive – ČSN EN 1838.Also can be used for safety, oriental lighting.
The lighting fixtues equipped with SMART LINE systém are used for antipatic and emergency lighting according to directive – ČSN EN 1838.Also can be used for safety, oriental lighting.

Technics of SMART LINE lighing fixtures

Standard lighing models VYRTYCH also equipped with miniature LED modules. Design of lightig fixtures has not disrupted, but also at the same time used all advantages of LED systém for emergency lighting. SMART LINE modules are powered by special ballast, which is functional fully independent on other parts of the lighting fixture like the lamps are independent. Fluorescent lamps issues just operative lighting, LED issues just emergency mode. Thats means minimum number of emergency lighting systems failed in result of failed lamp.(LED lifetime is 50.000 h).
Becouse of LED modules circular luminous characteristics the lighting fixture can be oriented in any position during the installation. There are available also advanced testing and switching functions used with usual emergency lighting (CentralTest, CewaGuard, STAR Technology, …)

SMART LINE

Luminaires with own (autonomous) battery

- battery with autonomy 1h
- battery with autonomy 3h
- luminous flux in emergency mode about 100% of rated LED lighting current
- lower requirements for charging
- SELF Test

Cooperation with CBS (Centralni Battery System)

- for circuit monitoring (without addressing)
- for individual monitoring (with addressing)
- lower requirements for size of central battery and its charging
- possibility for dimensioned switching elements in CBS for lower outputs
- min. current consumption of luminaires - material economy of non-flammable cable routes

Standard solution	Purchase costs*)	Lifetime of emergency module	Purchase costs of emergency module**)	Luminaous flux in emergency mode	note
The lighitng fixture of operative lighting with one lamp powered in emergency mode by means of battery inside of the fixture	100	lamp 7.000 h battery 3 years	7,40 EUR/year charging 11 EUR battery (change every 3 years)	10–15% Ønom.	– ordinary – noneconomic
The lighting fixture of operative lighting with one or more lamps powered on central battery system	70	lamp 7.000 h battery 10 years	just cents EUR battery from 1.000 EUR (change every 10 years)	up to 100% Ønom.	– more difficult cabling – battery capacity dependent on dimensions of lamps

SMART LINE	Purchase costs*)	Lifetime of emergency module	Purchase costs of emergency module**)	Luminaous flux in emergency mode	note
The lighting fixture of operative lighting with integrated LED module powered in emergency mode by means of battery inside of the fixture	180	Lamp 50.000 h Battery 3 years	Charging 5 EUR/year Battery 9 EUR	up to 100% Ønom.	– lifetime of LED is multiple higher than lifetime of fluorescent lamps – more reliable solution
The lighitng fixture of operative lighting with integrated LED module powered on central battery system	120	Lamp 50.000 h Battery 10 years	just cents EUR battery from 1.000 EUR (change every 10 years)		

*) purchasing costs are fixed in relation to more frequent solutions of emergency lighting, it means the lighting fixtures with emergency module and own battery inside of the fixture
**) operative costs for lighting fixtures powered on central battery systém in relation on total number of connected lightng fixtures
***) mentioned costs are indicative, without VAT and recycling fees

SMART LINE

EXAMPLE OF LIGHTING MODELS

INTERIOR LIGHTING

GRIFON

- fastening systém - surface mounted or suspended
- cover – louvre or plexiglass
- providing for lamps T16/G5
- protection degree IP 20 and IP 40 (depends on fastening and type of used cover)
- white painted housing (RAL 9003), RAL 9006 – on request

FALCON

- fastening systém - surface mounted or suspended
- cover – louvre or plexiglass or parabolic reflector
- providing for lamps T26/G13
- protection degree IP 20 and IP 40 (depends on fastening and type of used cover)
- white painted housing (RAL 9003)

BARBET

- fastening systém - recessed into false ceiling or plasterboard
- available for modules 600x600 (BARBET) or 625x625 (BARBET2)
- cover – louvre or plexiglass
- providing for lamps T16/G5
- protection degree IP 20 and IP 40 (depends on type of used cover)
- white painted housing (RAL 9003)

INDUSTRIAL LIGHTING

SALUKA

- fastening systém - surface mounted or suspended
- cover – hardened safety glass 5mm thick
- providing for lamps T26/G13
- protection degree IP 66
- white painted or stainless steel housing

BOXER

- fastening systém - surface mounted, corner or recessed mounted
- cover – PC material 5mm thick nebo hardened safety glass
- providing for lamps T16/G5
- protection degree IP 54
- white painted housing (RAL 9003)

Technical solution SMART LINE is possible to apply also for another models from VYRTYCH producing range.

The possibilities of application please discuss with our sales staff.

INDUSTRIAL DISCHARGE LIGHTING FIXTURES

SANTA

IP 65

Application: SANTA light fixture with resistance against dust and water jets is designed for lighting interior and outdoor areas, i.e. halls, warehouses, workshops, sports facilities, gas stations. To overcome the rise time of lamp it can be used light fixture with stand-in lamp.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: White painted metal sheet RAL9003

Cover: Hardened safety glass

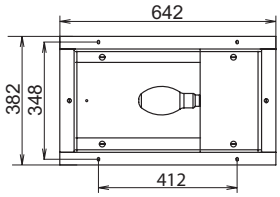
Reflector: Polished aluminium reflector

Fastening: Fastening on ceiling or wall lighted area with ceiling brackets or recessed mounting by means of recessed frame (necessary order ceiling brackets or recessed frame)

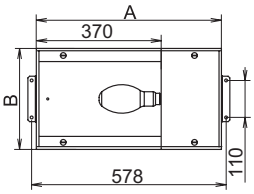
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm2; light fixture is ready to connect two wires (order additional cable gland)

230 V 50 Hz | t_a 30°C | KVG | EVG | IK 7

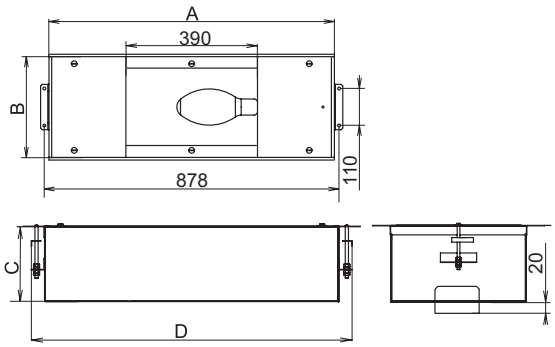
Version with recessed frame:



Ceilling mounting:

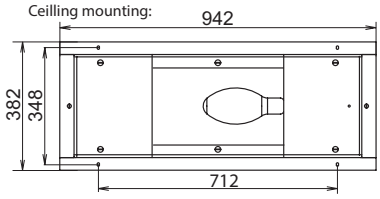


Version with recessed frame:

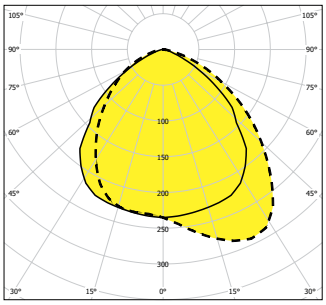


D – minimum width of the hole in false ceiling

Ceilling mounting:



SANTA-400H, 1x400W, IP65



—— C0-C180 - - - - C90-C270

			A×B×C×D (mm)
–inductive ballast			
053020	SANTA-50S, 1x50W	HSE, HST/E27	550 x 300 x 200 x 575
053100	SANTA-50R, 1x50W	HME/E27	550 x 300 x 200 x 575
053021	SANTA-70S, 1x70W	HSE, HST/E27	550 x 300 x 200 x 575
053150	SANTA-70H, 1x70W	HIE, HIT/E27	550 x 300 x 200 x 575
053101	SANTA-80R, 1x80W	HME/E27	550 x 300 x 200 x 575
053022	SANTA-100S, 1x100W	HSE, HST/E40	550 x 300 x 200 x 575
053151	SANTA-100H, 1x100W	HIE, HIT/E27	550 x 300 x 200 x 575
053102	SANTA-125R, 1x125W	HME/E27	550 x 300 x 200 x 575
053023	SANTA-150S, 1x150W	HSE, HST/E40	550 x 300 x 200 x 575
053152	SANTA-150H, 1x150W	HIE, HIT/E27	550 x 300 x 200 x 575
053024	SANTA-250S, 1x250W	HSE, HST/E40	850 x 300 x 200 x 875
053153	SANTA-250H, 1x250W, 3,0A	HIE, HIT/E40	850 x 300 x 200 x 875
053155	SANTA-250H/150Z, 1x250W+max.150W	HIE, HIT/E40+E27	850 x 300 x 200 x 875
053178	SANTA-250H, 1x250W, 2,15A	HIE, HIT/E40	850 x 300 x 200 x 875
053025	SANTA-400S, 1 x 400W	HSE, HST/E40	850 x 300 x 200 x 875
053154	SANTA-400H, 1x400W, 4,2A	HIE, HIT/E40	850 x 300 x 200 x 875
053156	SANTA-400H/150Z, 1 x 400W+max.150W	HIE, HIT/E40+E27	850 x 300 x 200 x 875
053179	SANTA-400H, 1x400W, 3,5A	HIE, HIT/E40	850 x 300 x 200 x 875

S – high pressure sodium discharge lamp, **R** – high pressure mercury lamp, **H** – metal halide lamp

– special accessories

053015	Set of ceiling bracket (2 pcs)
053016	Recessed frame SANTA 50-150W
053017	Recessed frame SANTA 250-400W
001827	Protective cage SANTA 50-150W, ceiling mounting
001837	Protective cage SANTA 250-400W, ceiling mounting
001839	Protective cage SANTA 50-150W, reccesed mounting
001840	Protective cage SANTA 250-400W, recessed mounting
008029	Cable gland PG 13,5 with nut, RAL7004

On customer´s request SANTA-70H and SANTA-150H can be equipped with electronic ballast.

SANTA light fixtures with recessed frame must be installed on well dimensioned supporting construction of the ceiling.
Minimum high of the ceiling must be 12 mm.

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

GOLIÁŠ-T40

IP 23, IP 54

Application: GOLIÁŠ-T40 discharge light fixture is designed for lighting interior areas, i.e. halls, shopping centers, warehouses, workshops, sports facilities. To overcome the rise time of lamp it can be used light fixture with stand-in lamp.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Alluminium profiles with plastic sides from ABS (acrylonitrile-butadiene-styrene) at the ends, chemical resistance (see page 178)

Reflector: Parabolic aluminium reflector (to order)

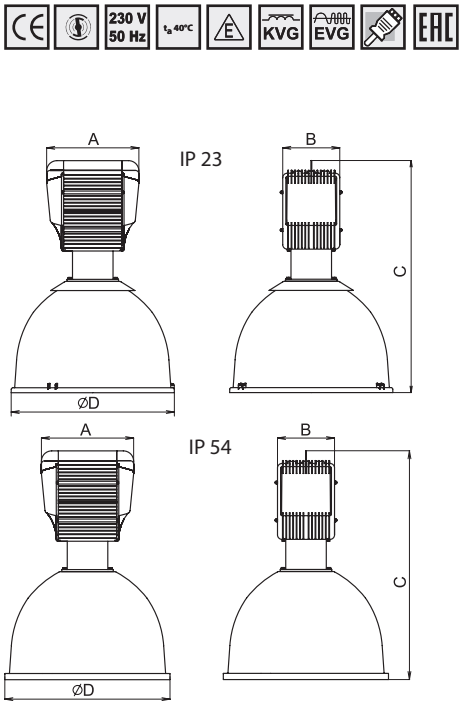
Cover: Tempered safety glass (only IP54 finishing)

Fastening: Suspension by means of wire, chain or carrier rope

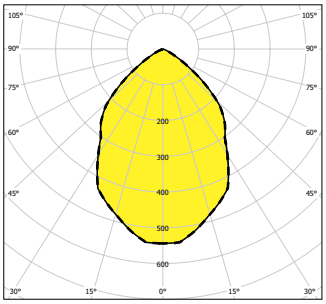
Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm^2

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **GESIS** – possibility to equip light fixtures with connectors
EP – electronic ballast



GOLIÁŠ-T40-250H, 1x250W, IP 54



C0-C180 - - - - C90-C270

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

On customer´s request GOLIÁŠ-70H and GOLIÁŠ-150H can be equipped with electronic ballast.

–inductive ballast IP23			
053300	GOLIÁŠ-T40-50S, 1x50W	HSE/E27	256x166x665x475
053310	GOLIÁŠ-T40-50R, 1x50W	HME/E27	256x166x665x475
053301	GOLIÁŠ-T40-70S, 1x70W	HSE/E27	256x166x665x475
053320	GOLIÁŠ-T40-70H, 1x70W	HIE/E27	256x166x665x475
053311	GOLIÁŠ-T40-80R, 1x80W	HME/E27	256x166x665x475
053302	GOLIÁŠ-T40-100S, 1x100W	HSE/E40	256x166x665x475
053321	GOLIÁŠ-T40-100H, 1x100W	HIE/E27	256x166x665x475
053312	GOLIÁŠ-T40-125R, 1x125W	HME/E27	256x166x665x475
053303	GOLIÁŠ-T40-150S, 1x150W	HSE/E40	256x166x665x475
053322	GOLIÁŠ-T40-150H, 1x150W	HIE/E27	256x166x665x475
053304	GOLIÁŠ-T40-250S, 1x250W	HSE/E40	256x166x665x475
053313	GOLIÁŠ-T40-250R, 1x250W	HME/E40	256x166x665x475
053323	GOLIÁŠ-T40-250H, 1x250W 3,0A	HIE/E40	256x166x665x475
053325	GOLIÁŠ-T40-250H/150Z, 1x250W + max.150W	HIE/E40+E27	256x166x665x475
053391	GOLIÁŠ-T40-250H, 1x250W, 2,15A	HIE/E40	256x166x665x475
053305	GOLIÁŠ-T40-400S, 1x400W	HSE/E40	256x166x665x475
053314	GOLIÁŠ-T40-400R, 1x400W	HME/E40	256x166x665x475
053324	GOLIÁŠ-T40-400H, 1x400W, 4,2A	HIE/E40	256x166x665x475
053326	GOLIÁŠ-T40-400H/150Z, 1x400W + max.150W	HIE/E40+E27	256x166x665x475
053390	GOLIÁŠ-T40-400H, 1x400W, 3,2 A	HIE/E40	256x166x665x475
–special accessories			
003645	GOLIÁŠ-T40 – parabolic reflector - diffused		
002473	GOLIÁŠ-T40 – parabolic aluminium reflector		

– inductive ballast IP 54			
053360	GOLIÁŠ-T40-50S, 1x50W	HSE/E27	256x166x665x475
053366	GOLIÁŠ-T40-50R, 1x50W	HME/E27	256x166x665x475
053361	GOLIÁŠ-T40-70S, 1x70W	HSE/E27	256x166x665x475
053371	GOLIÁŠ-T40-70H, 1x70W	HIE/E27	256x166x665x475
053367	GOLIÁŠ-T40-80R, 1x80W	HME/E27	256x166x665x475
053362	GOLIÁŠ-T40-100S, 1x100W	HSE/E40	256x166x665x475
053372	GOLIÁŠ-T40-100H, 1x100W	HIE/E27	256x166x665x475
053368	GOLIÁŠ-T40-125R, 1x125W	HME/E27	256x166x665x475
053363	GOLIÁŠ-T40-150S, 1x150W	HSE/E40	256x166x665x475
053373	GOLIÁŠ-T40-150H, 1x150W	HIE/E27	256x166x665x475
053364	GOLIÁŠ-T40-250S, 1x250W	HSE/E40	256x166x665x475
053369	GOLIÁŠ-T40-250R, 1x250W	HME/E40	256x166x665x475
053374	GOLIÁŠ-T40-250H, 1x250W, 3,0A	HIE/E40	256x166x665x475
053393	GOLIÁŠ-T40-250H, 1x250W, 2,15A	HIE/E40	256x166x665x475
053365	GOLIÁŠ-T40-400S, 1x400W	HIE/E40	256x166x665x475
053370	GOLIÁŠ-T40-400R, 1x400W	HSE/E40	256x166x665x475
053375	GOLIÁŠ-T40-400H, 1x400W, 4,2A	HME/E40	256x166x665x475
053392	GOLIÁŠ-T40-400H, 1x400W, 3,5A	HIE/E40	256x166x665x475
053377	GOLIÁŠ-T40-400H/150Z, 1x400W + max.150W	HIE/E40+E27	256x166x665x475
– special accessories			
002473	GOLIÁŠ-T40 – parabolic aluminium reflector		
002474	Protective glass		

S – high pressure sodium discharge lamp; **R** – high pressure mercury lamp; **H** – metal halide lamp, **K** – compact lamp PL-H

STREET LIGHTING

VESPER-LED

IP 65

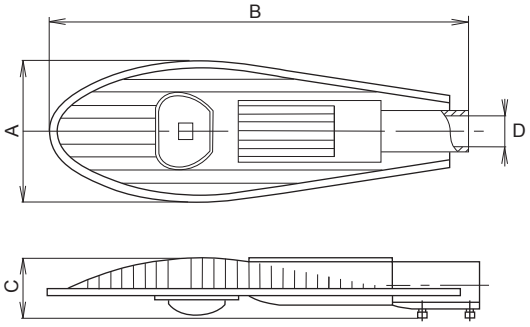
Application: VESPER LED light fixture is designed for lighting outdoor areas, main and side roads of towns and villages, parking lots and industrial areas.

Ballast: **EP** – electronic 220-240V/50-60Hz AC

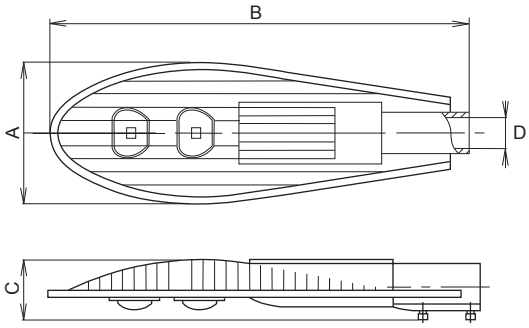
Body: Aluminium die cast housing

Optical part: Special glass lens

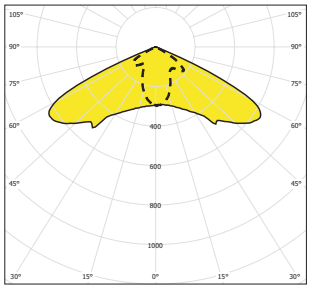
Fastening: Fastening on brackter column with diameter 50 mm (VESPER 50) or 60 mm (VESPER 85 and VESPER 100).



		Tc/λ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast					
051580	VESPER-50-3K	3 000	4 790	45	500 x 215 x 85 x 50
051581	VESPER-50-4K	4 000	5 010	45	500 x 215 x 85 x 50
051582	VESPER-50-5K	5 000	5 070	45	500 x 215 x 85 x 50
051583	VESPER-85-3K	3 000	8 960	85	600 x 260 x 90 x 60
051584	VESPER-85-4K	4 000	9 380	85	600 x 260 x 90 x 60
051585	VESPER-85-5K	5 000	9 490	85	600 x 260 x 90 x 60
051586	VESPER-100-3K	3 000	9 950	100	700 x 280 x 120 x 60
051587	VESPER-100-4K	4 000	10 000	100	700 x 280 x 120 x 60
051588	VESPER-100-5K	5 000	10 120	100	700 x 280 x 120 x 60



VESPER-85-5K, IP 65



—— C0-C180 - - - - C90-C270

FLAT

IP 66

Application: FLAT dustproof light fixture with resistance against water jets is designed for lighting outdoor areas, main and side roads of towns and villages, parking lots, industrial areas, pedestrian zones and parks.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation
REG – electronic ballast 220-240V/50-60Hz, controllable

Body: Painted aluminium casting

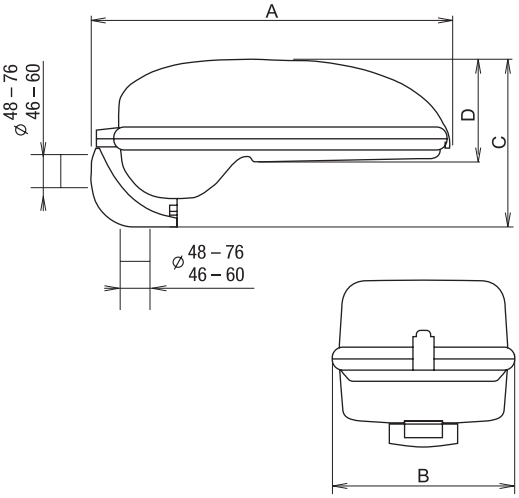
Cover: Hardened safety glass

Reflector: Very pure (99,8%) aluminium pressed piece

Fastening: Fastening on bracket and park column with diameters:
Ø48-60 mm – inductive ballast 50-150W, controllable electronic ballast 50-70W,
Ø48-76 mm – inductive ballast 250-400W, controllable electronic ballast 100-150W

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

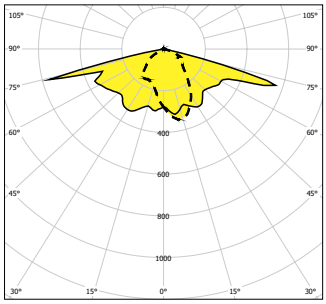
230 V 50 Hz | KVG | EVG | REG | UV STABIL | IK 8



			AxBxCxD (mm)
–inductive ballast			
053500	FLAT-50S, 1x50W	HST/E27	540 x 286 x 248 x 150
053501	FLAT-70S, 1x70W		540 x 286 x 248 x 150
053502	FLAT-100S, 1x100W	HST/E40	540 x 286 x 248 x 150
053503	FLAT-150S, 1x150W	HST/E40	540 x 286 x 248 x 150
053504	FLAT-150H, 1x150W	HIT/E27	540 x 286 x 248 x 150
053505	FLAT-250S, 1x250W	HST/E40	630 x 286 x 248 x 150
053506	FLAT-250H, 1x250W, 3,0A	HIT/E40	630 x 286 x 248 x 150
053516	FLAT-250R, 1x250W	HME/E40	630 x 286 x 248 x 150
053507	FLAT-400S, 1x400W	HST/E40	630 x 286 x 248 x 150
053508	FLAT-250H, 1x250W, 2,15A	HIT/E40	630 x 286 x 248 x 150
053509	FLAT-400H, 1x400W, 4,2A		630 x 286 x 248 x 150
053510	FLAT-400H, 1x400W, 3,5A		630 x 286 x 248 x 150
– controllable electronic ballast			
053511	FLAT-70S-REG, 1x70W, controllable	HST/E27	540 x 286 x 248 x 150
053512	FLAT-100S-REG, 1x100W, controllable	HST/E40	630 x 286 x 248 x 150
053513	FLAT-150S-REG, 1x150W, controllable		630 x 286 x 248 x 150
053514	FLAT-50S-REG, 1x50W, controllable	HST/E27	540 x 286 x 248 x 150

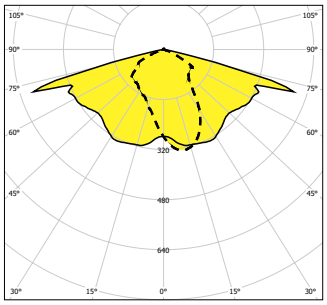
More information about lighting control on page 128
S –high pressure sodium discharge lamp, **H** –metal halide lamp
Only for HIT, HST lamp (tubular lamps)

FLAT-70S, 1x70W



—— C0-C180 - - - - C90-C270

FLAT-400S, 1x400W



—— C0-C180 - - - - C90-C270

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

HORNET

IP 43/IP 65

Application: HORNET light fixture is designed for lighting outdoor areas, main and side roads of towns and villages, parking lots and industrial areas.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

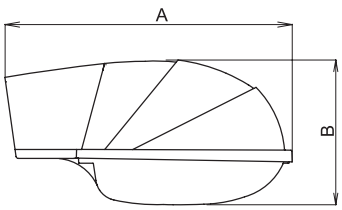
Body: Combination of plastic materials PC (polycarbonate) and PP (polypropylene)

Cover: Plastic material PC (polycarbonate), optical, transparent colour

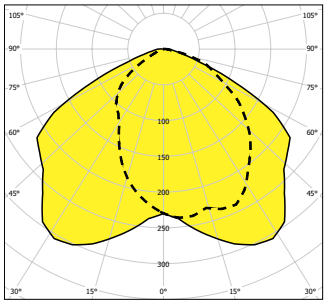
Reflector: Polished aluminium reflector

Fastening: Fastening on bracket and park columns with diameter 60 mm

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

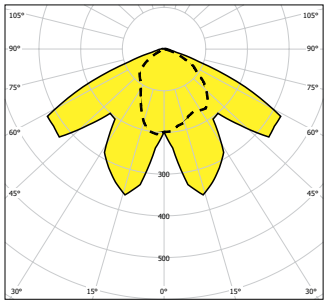


HORNET 150H-E



C0-C180 ---- C90-C270

HORNET 250S-T-3



C0-C180 ---- C90-C270

– inductive ballast			
054009	HORNET-70S, 1x70W, without fuse	HSE, HST/E27	610 x 310 x 370
054010	HORNET-70H, 1x70W, without fuse	HIE, HIT/E27	610 x 310 x 370
054029	HORNET-70S, 1x70W, build-in fuse	HSE, HST/E27	610 x 310 x 370
054030	HORNET-70H, 1x70W, build-in fuse	HIE, HIT/E27	610 x 310 x 370
054012	HORNET-70S – I, 1x70W, without ignitor	HSE, HST/E27	610 x 310 x 370
054008	HORNET-80R, 1x80W, without fuse	HME/E27	610 x 310 x 370
054028	HORNET-80R, 1x80W, build-in fuse	HME/E27	610 x 310 x 370
054006	HORNET-100S, 1x100W, without fuse	HSE, HST/E40	610 x 310 x 370
054007	HORNET-100H, 1x100W, without fuse	HIE, HIT/E27	610 x 310 x 370
054026	HORNET-100S, 1x100W, build-in fuse	HSE, HST/E40	610 x 310 x 370
054027	HORNET-100H, 1x100W, build-in fuse	HIE, HIT/E27	610 x 310 x 370
054005	HORNET-125R, 1x125W, without fuse	HME/E27	610 x 310 x 370
054025	HORNET-125R, 1x125W, build-in fuse	HME/E27	610 x 310 x 370
054003	HORNET-150S, 1x150W, without fuse	HSE, HST/E40	610 x 310 x 370
054004	HORNET-150H, 1x150W, without fuse	HIE, HIT/E27	610 x 310 x 370
054023	HORNET-150S, 1x150W, build-in fuse	HSE, HST/E40	610 x 310 x 370
054024	HORNET-150H, 1x150W, build-in fuse	HIE, HIT/E27	610 x 310 x 370
054002	HORNET-250R, 1x250W, without fuse	HME/E40	610 x 310 x 370
054001	HORNET-250H, 1x250W, 3,0A, without fuse	HIE, HIT/E40	610 x 310 x 370
054000	HORNET-250S, 1x250W, without fuse	HSE, HST/E40	610 x 310 x 370
054022	HORNET-250R, 1x250W, build-in fuse	HME/E40	610 x 310 x 370
054015	HORNET-250H, 1x250W, 2,15 A, without fuse	HIE, HIT/E40	610 x 310 x 370
054021	HORNET-250H, 1x250W, 3,0 A, build-in fuse	HIE, HIT/E40	610 x 310 x 370
054016	HORNET-250H, 1x250W, 2,15 A, build-in fuse	HIE, HIT/E40	610 x 310 x 370
054020	HORNET-250S, 1x250W, build-in fuse	HSE, HST/E40	610 x 310 x 370
– special accessories			
001803	Reduction Ø 60 / 50 mm		

Advantages of light fixture
- range of luminares in wattages from 70W to 250W
- same design as HORNET-P light fixture for lighting pedestrian crossings
- easy mounting on park or bracket column
- removable metal sheet with electrical components – advantage for fast and easy maintenance
- colour stability (UV stable material)
- plastic design of luminaires guarantees corrosion resistance
- on customer´s request electrical equipment allowing the controll of lighting
- energy saving
- available reduction 60/50 mmí náhradních komponentů
- full production of luminaires in our firm - short delivery terms, easy availability of spare parts

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com.

S –high pressure sodium discharge lamp, **R** – high pressure mercury lamp, **H** – metal halide lamp

On customer´s request HORNET-70H and HORNET-150H can be equipped with electronic ballast. HORNET-70S-I type not equipped with igniter, necessary to use lamp with integrated igniter.

HORNET – REG

IP 43/IP 65

Application: HORNET-REG light fixture is designed for lighting outdoor areas, main and side roads of towns and villages, parking lots and industrial areas.

Ballast: REG – electronic ballast 220-240V/50-60Hz, controllable

Body: Combination of plastic materials PC (polycarbonate) and PP (polypropylene)

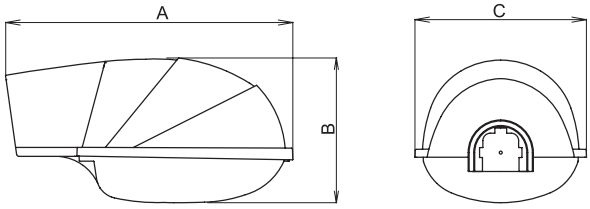
Cover: Plastic material PC (polycarbonate), optical, transparent colour

Reflector: Polished aluminium reflector

Fastening: Fastening on bracket and park columns with diameter 60 mm

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm^2

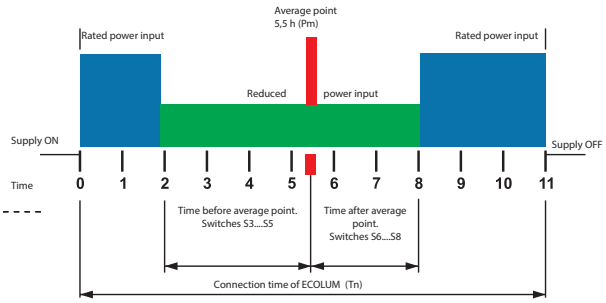
230 V 50 Hz | KVG | EVG | REG | UV STABIL | IK 8



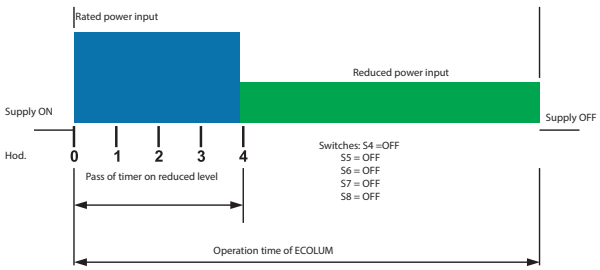
HORNET – REG
Light fixture is equipped with electronic ballast which allows 3 methods for power reduction only with control of bulit-in switches. You can control the luminaires equpped with high pressure sodium lamps 70W, 100W and 150W or high pressure mercury lamps 80W and 125W.

Control methods - regulating possibilites

1)PROGRAMABLE TIMER
This function controls the transition to reduced power level and back to nominal rated power level after the programmed time. The first four days ECOLUM works without reduction of nominal rated power level, because it is necessary to know time of switch-on on the network in order to calculate the "average point". Programmable timer is set whenever the operating time of ECOLUM system is between 5 and 24 hours.



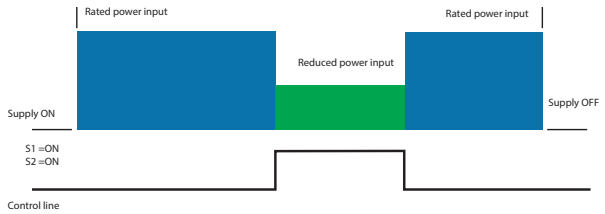
2) SETTLED TIMER
After programmed time from the lighting ECOLUM system goes to reduced level.
The ballast operates at a reduced level until the shut-off of energy by the network



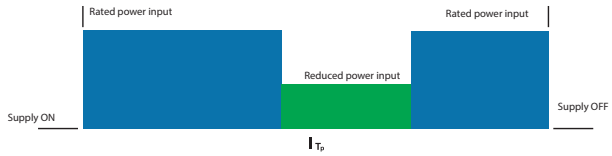
			AxBxC (mm)
– controllable electronic ballast			
054040	HORNET-70S-REG, 1x70W, controllable	HSE, HST/E27	610 x 310 x 370
054041	HORNET-100S-REG, 1x100W, controllable	HSE, HST/E40	610 x 310 x 370
054042	HORNET-150S-REG, 1x150W, controllable	HSE, HST/E40	610 x 310 x 370
– special accessories			
001803	Reduction Ø 60 / 50 mm		

S – high pressure sodium discharge lamp

3) AUXILIARY CONTROL UNIT
Auxiliary control unit (230V/50Hz) must transmit a command to return from reduced power level to the nominal rated power level - sending voltage to the control unit or by removing the voltage from the control unit



HORNET-REG-U6M
Light fixture is equipped with standard components and digital switcher ZRM U6M which automatically adjusts output of high pressure sodium discharge lamps and
Light fixtures are controlled automatically, no need for control wires or professional service.



Functions of luminaires:
– switch-on of luminaires – first four days manually, next days automatically
– switch-over on half level – 3 hours before Tp
– switch-over on 100% input – 4 hours after Tp
– switch-off of luminaires – first 4 days manually, next days automatically

Advantages of controll lighting
– saving up to 40% energy
– increase the lamp life by 25%
– programmable control system reducing the level of power and luminous flux (at 50% of nominal) - no need to interfere with the existing power distribution
– light fixtures require no wire control (control line) to ensure regulation

HORNET – P

IP 43/IP 65

Application: HORNET-P light fixture is specially designed for lighting pedestrian crossings. The right installation ensures the visibility of pedestrians at the crossings.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Combination of plastic materials PC (polycarbonate) and PP (polypropylene)

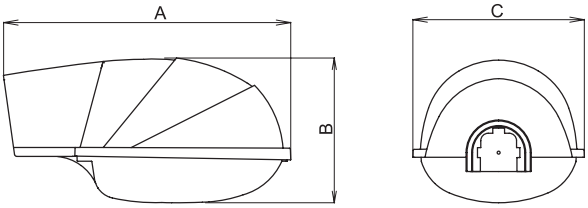
Cover: Plastic material PC (polycarbonate), optical, transparent colour

Reflector: Polished aluminium reflector

Fastening: Fastening on bracket and park columns with diameter 60 mm

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm^2

230 V 50 Hz | KVG | UV STABIL | IK 8

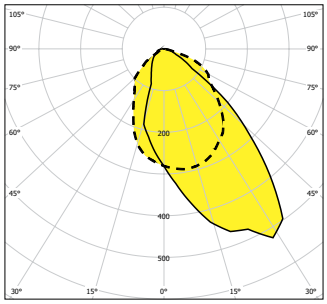


			A×B×C (mm)
– inductive ballast			
054052	HORNET-P-150S, 1x150W, right-hand	HST/E40	620 x 310 x 370
054051	HORNET-P-250S, 1x250W, right-hand		620 x 310 x 370
054050	HORNET-P-250H, 1x250W, right-hand		620 x 310 x 370
054053	HORNET-P-150S, 1x150W, left-hand		620 x 310 x 370
054054	HORNET-P-250S, 1x250W, left-hand		620 x 310 x 370
054055	HORNET-P-250H, 1x250W, left-hand		620 x 310 x 370
– special accessories			
001803	Reduction Ø 60 / 50 mm		

S –high pressure sodium discharge lamp, **H** – metal halide lamp

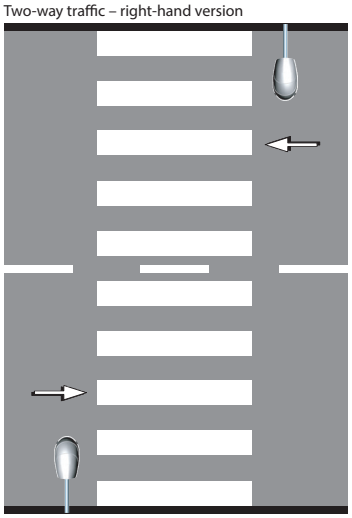
Only for HIT, HST lamp (tubular lamps)

HORNET-P 1x150W

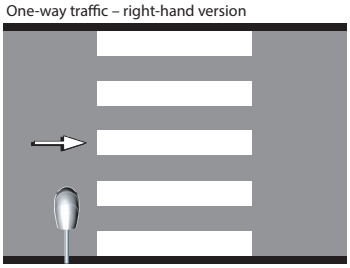


—— C0-C180 - - - - C90-C270

Two-way traffic – right-hand version



One-way traffic – right-hand version



Recommended installation:
- the height of the fixture above the road – 6 m
- the distance from the edge of the road – 0,5 to 1 m
- the distance in front of the pedestrian crossing – max. 1 m

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

„VV“ DINGO

IP 54

Application: DINGO light fixture with resistance against dust and water jets is designed for outdoor areas, main and side roads of towns and villages, parking lots and industrial areas.

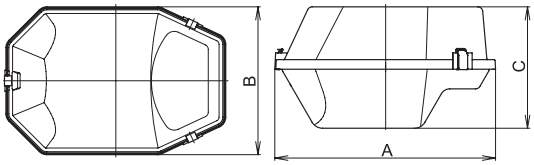
Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

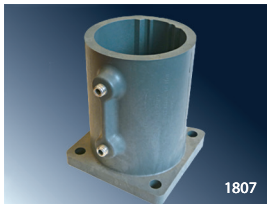
Body: Plastic material GPR (polystyr filled with fibreglass), dark grey colour RAL7031, flammability degree V-0 according to UL 94 standard (absolutely nonflammable)

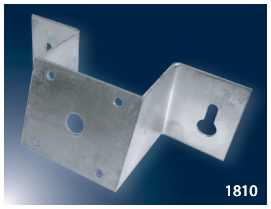
Cover: Plastic material PC (polycarbonate), optical, transparent colour

Fastening: Fastening by means of bracket grip (Ø75 mm, Ø60 mm), park pole grip (Ø60 mm), wall grip, corner grip.

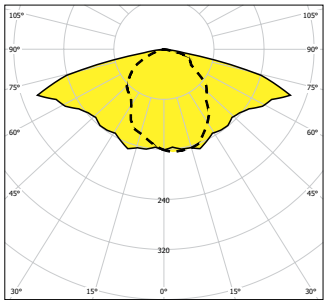
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm^2





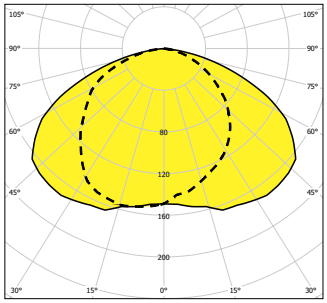


DINGO-70S, 1x70W



—— C0-C180 - - - - C90-C270

DINGO-150S, 1x150W



—— C0-C180 - - - - C90-C270

– special accessories

001807	Bracket grip Ø 60 mm
051022	Bracket grip Ø 75 mm
001806	Pole grip Ø 60 mm
001810	Wall grip
001809	Corner grip
141020	Fastening on concrete pole, Ø 220 mm, L=150 mm
141021	Fastening on concrete pole, Ø 250 mm, L=500 mm
001803	Reduction Ø 60 / 50 mm

VV DINGO 50W			
051004	1VV-50S-PMMA, 1x50W, build-in fuse	HSE, HST/E27	460 x 310 x 260
051012	1VV-50S-PC, 1x50W, build-in fuse	HSE, HST/E27	460 x 310 x 260
051000	1VV-50S-PMMA, 1x50W, without fuse	HSE, HST/E27	460 x 310 x 260
051008	1VV-50S-PC, 1x50W, without fuse	HSE, HST/E27	460 x 310 x 260
051053	1VV-50R-PMMA, 1x50W, build-in fuse	HME/E27	460 x 310 x 260
051059	1VV-50R-PC, 1x50W, build-in fuse	HME/E27	460 x 310 x 260
051050	1VV-50R-PMMA, 1x50W, without fuse	HME/E27	460 x 310 x 260
051056	1VV-50R-PC, 1x50W, without fuse	HME/E27	460 x 310 x 260
VV DINGO 70W			
051005	1VV-70S-PMMA, 1x70W, build-in fuse	HSE, HST/E27	460 x 310 x 260
051013	1VV-70S-PC, 1x70W, build-in fuse	HSE, HST/E27	460 x 310 x 260
051001	1VV-70S-PMMA, 1x70W, without fuse	HSE, HST/E27	460 x 310 x 260
051009	1VV-70S-PC, 1x70W, without fuse	HSE, HST/E27	460 x 310 x 260
051073	1VV-70H-PMMA, 1x70W, build-in fuse	HIE, HIT/E27	460 x 310 x 260
051079	1VV-70H-PC, 1x70W, build-in fuse	HIE, HIT/E27	460 x 310 x 260
051070	1VV-70H-PMMA, 1x70W, without fuse	HIE, HIT/E27	460 x 310 x 260
051076	1VV-70H-PC, 1x70W, without fuse	HIE, HIT/E27	460 x 310 x 260
VV DINGO 80W			
051054	1VV-80R-PMMA, 1x80W, build-in fuse	HME/E27	460 x 310 x 260
051060	1VV-80R-PC, 1x80W, build-in fuse	HME/E27	460 x 310 x 260
051051	1VV-80R-PMMA, 1x80W, without fuse	HME/E27	460 x 310 x 260
051057	1VV-80R-PC, 1x80W, without fuse	HME/E27	460 x 310 x 260
VV DINGO 100W			
051006	1VV-100S-PMMA, 1x100W, build-in fuse	HSE, HST/E40	460 x 310 x 260
051014	1VV-100S-PC, 1x100W, build-in fuse	HSE, HST/E40	460 x 310 x 260
051002	1VV-100S-PMMA, 1x100W, without fuse	HSE, HST/E40	460 x 310 x 260
051010	1VV-100S-PC, 1x100W, without fuse	HSE, HST/E40	460 x 310 x 260
051074	1VV-100H-PMMA, 1x100W, build-in fuse	HIE, HIT/E27	460 x 310 x 260
051080	1VV-100H-PC, 1x100W, build-in fuse	HIE, HIT/E27	460 x 310 x 260
051071	1VV-100H-PMMA, 1x100W, without fuse	HIE, HIT/E27	460 x 310 x 260
051077	1VV-100H-PC, 1x100W, without fuse	HIE, HIT/E27	460 x 310 x 260
VV DINGO 125W			
051055	1VV-125R-PMMA, 1x125W, build-in fuse	HME/E27	460 x 310 x 260
051061	1VV-125R-PC, 1x125W, build-in fuse	HME/E27	460 x 310 x 260
051052	1VV-125R-PMMA, 1x125W, without fuse	HME/E27	460 x 310 x 260
051058	1VV-125R-PC, 1x125W, without fuse	HME/E27	460 x 310 x 260
VV DINGO 150W			
051007	1VV-150S-P mmA, 1x150W, build-in fuse	HSE, HST/E40	460 x 310 x 260
051016	1VV-150S-PC, 1x150W, build-in fuse	HSE, HST/E40	460 x 310 x 260
051003	1VV-150S-P mmA, 1x150W, without fuse	HSE, HST/E40	460 x 310 x 260
051011	1VV-150S-PC, 1x150W, without fuse	HSE, HST/E40	460 x 310 x 260
051075	1VV-150H-P mmA, 1x150W, build-in fuse	HIE, HIT/E27	460 x 310 x 260
051081	1VV-150H-PC, 1x150W, build-in fuse	HIE, HIT/E27	460 x 310 x 260
051072	1VV-150H-P mmA, 1x150W, without fuse	HIE, HIT/E27	460 x 310 x 260
051078	1VV-150H-PC, 1x150W, without fuse	HIE, HIT/E27	460 x 310 x 260

S –high pressure sodium discharge lamp, **R** – high pressure mercury lapm, **H** – metal halide lamp

BETY

IP 44

Application: BETY light fixture with resistance against water jets is designed for outdoor areas, pedestrian zones, automobile roads, parking lots, gardens, squares.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Flange: Plastic material PC (polycarbonate), dark grey colour RAL7031

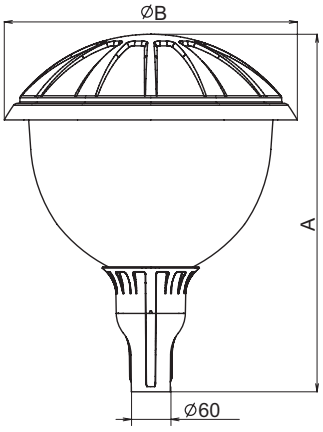
Diffuser: Plastic material PC (polycarbonate), tread pattern on the inner side

Cover: Plastic material PC (polycarbonate), dark grey colour RAL7031

Fastening: Fastening by means of grip for park pole column with diameter 60 mm

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

230 V 50 Hz | KVG | UV STABIL | IK 8



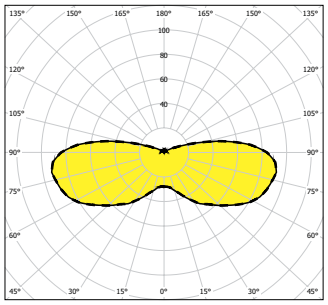
– inductive ballast			
053400	BETY-50S, 1x50W	HSE, HST/E27	660 x 540
053407	BETY-50R, 1x50W	HME/E27	660 x 540
053401	BETY-70S, 1x70W	HSE, HST/E27	660 x 540
053404	BETY-70H, 1x70W	HIE, HIT/E27	660 x 540
053408	BETY-80R, 1x80W	HME/E27	660 x 540
053402	BETY-100S, 1x100W	HSE, HST/E40	660 x 540
053405	BETY-100H, 1x100W	HIE, HIT/E27	660 x 540
053409	BETY-125R, 1x125W	HME/E27	660 x 540
053403	BETY-150S, 1x150W	HSE, HST/E40	660 x 540
053406	BETY-150H, 1x150W	HIE, HIT/E27	660 x 540
–special accessories			
001803	Reduction Ø 60 / 50 mm		

S –high pressure sodium discharge lamp, **R** – high pressure mercury lapm, **H** –metal halide lamp

Advantages of the fixture:
– easy installation
– original modern design
– usage of PC material tested by 10 years operation
– removing gear trey
– colouring stability (UV stabil material)
– resistance against of corrosion
– reduction 60/50 mm

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

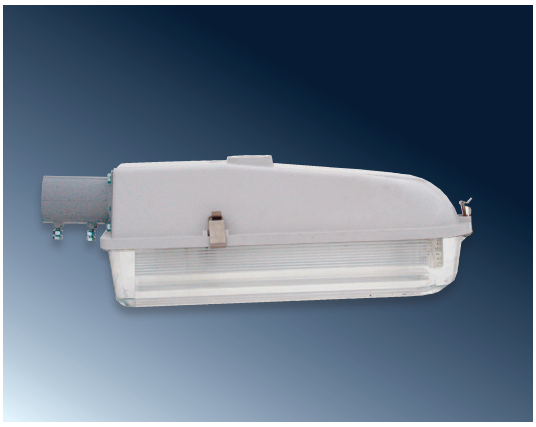
BETY170S, 1x70W



—— C0-C180 - - - - C90-C270

AKITA

IP 65



Application: AKITA light fixture with resistance against dust and water jets is designed for outdoor areas, main and side roads of towns and villages, parking lots, industrial areas, pedestrian zones and parks..

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation
EP – electronic ballast 230V/50Hz

Body: Plastic material GPR (polystyr filled with fibreglass), grey colour

Cover: Plastic material PC (polycarbonate), transparent colour

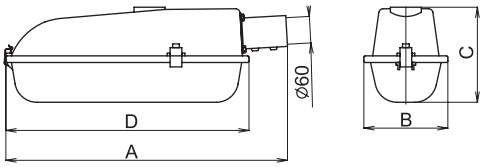
Reflector: White painted metal sheet RAL9003

Fastening: Fastening by means of grip for park pole (-S) or bracket (-V) column

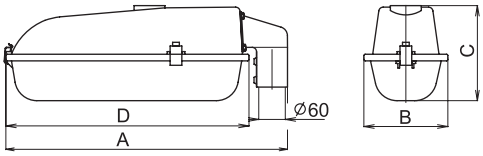
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

230 V 50 Hz | KVG | UV STABIL | 220-240 V 50-60 Hz

Version V



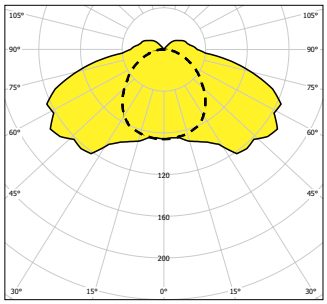
Version S



			AxBxCxD (mm)
– inductive ballast			
054101	AKITA-136-V, 1x36W	TC-L/2G11	640 x 190 x 215 x 550
054102	AKITA-236-V, 2x36W		640 x 190 x 215 x 550
054104	AKITA-136-S, 1x36W		640 x 190 x 215 x 550
054105	AKITA-236-S, 2x36W		640 x 190 x 215 x 550

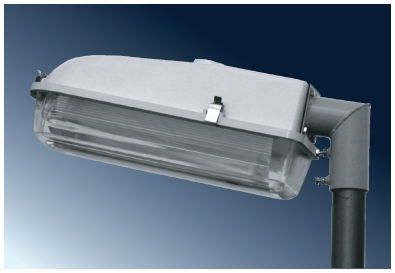
			AxBxCxD (mm)
– electronic ballast			
054100	AKITA-136-V-EP, 1x36W	TC-L/2G11	640 x 190 x 215 x 550
054103	AKITA-136-S-EP, 1x36W		640 x 190 x 215 x 550

AKITA, 2x36W, IP65

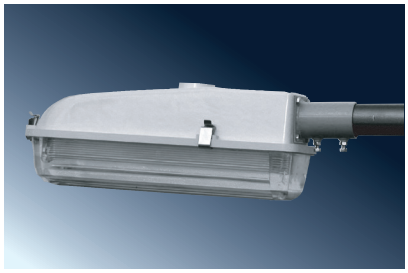


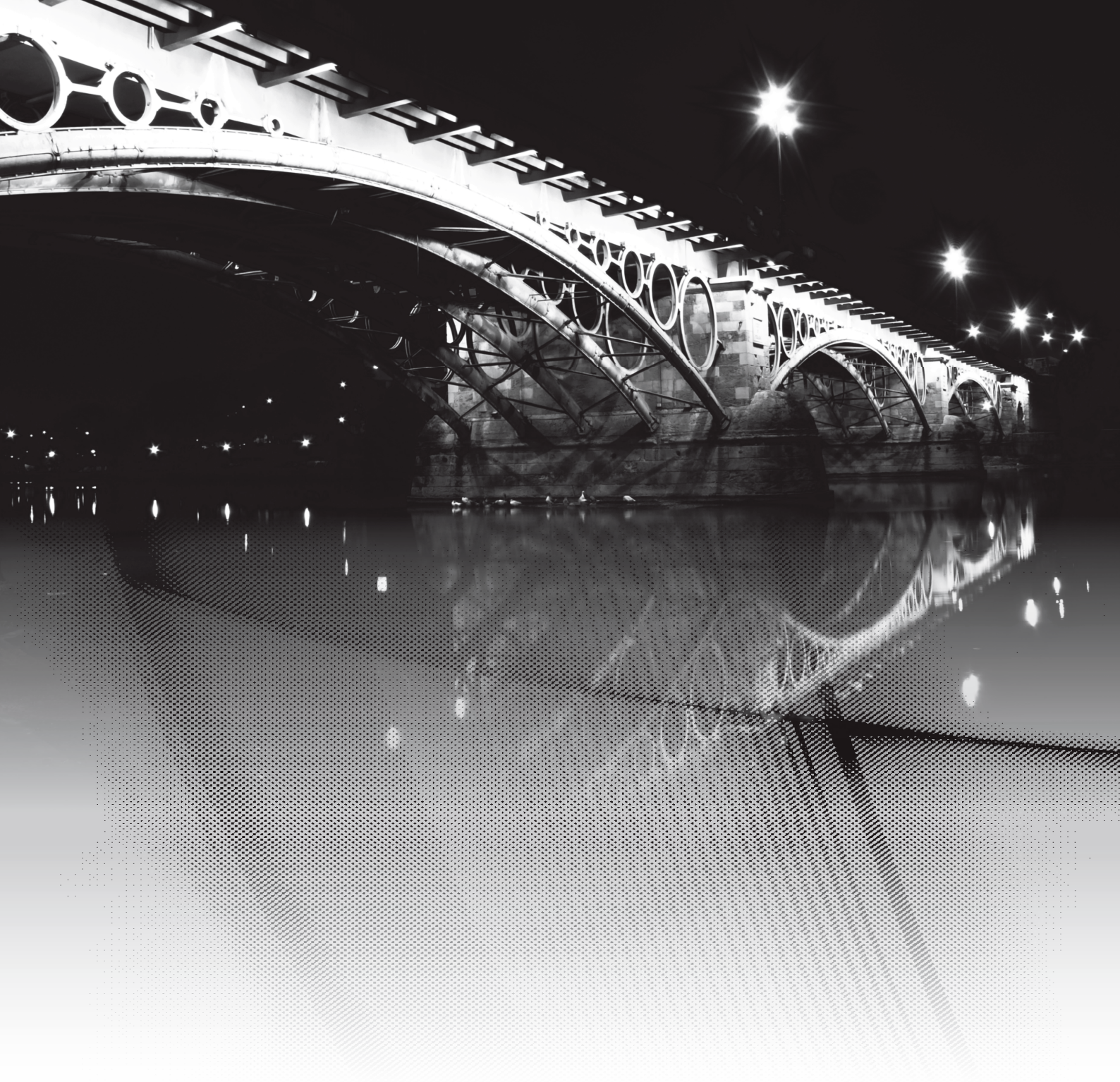
—— C0-C180 - - - - C90-C270

Version S



Version V





FLOODLIGHTS

K-2, K-3

IP 65

Application: K-2, K-3 dustproof light fixture with resistance against water jets is designed for lighting interior or exterior areas, i.e. advertising boards, sport grounds, parking areas, stores, outdoor work areas.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Alluminium casting

Cover: Tempered safety glass

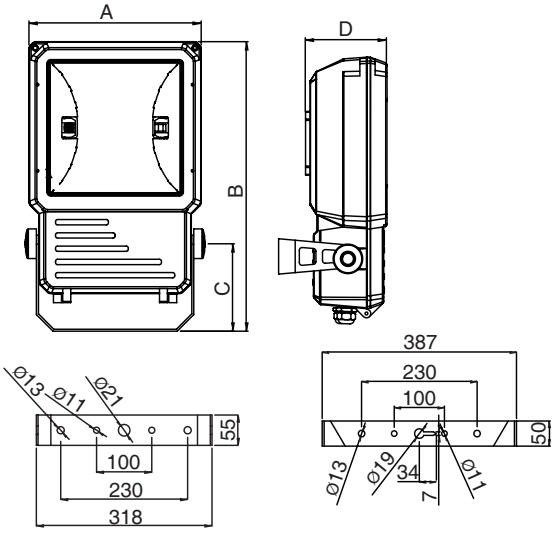
Reflector: Aluminium hammer plate, anodized surface

Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland

230 V 50 Hz | t_a 30°C | KVG

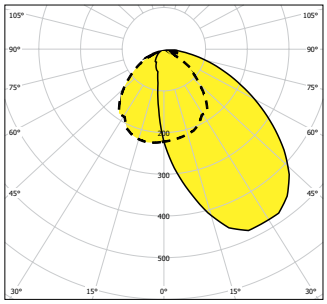


			AxBxCxD (mm)
K-2			
054502	K-2-150H-SYM, 1x150W, E40	HST/E40	350 x 524 x 160 x 146
054503	K-2-150H-ASYM, 1x150W, E40		350 x 524 x 160 x 146
054504	K-2-150S-SYM, 1x150W, E40		350 x 524 x 160 x 146
054504	K-2-150S-ASYM, 1x150W, E40		350 x 524 x 160 x 146
054505	K-2-150S-ASYM, 1x150W, E40		350 x 524 x 160 x 146
054509	K-2-250S-ASYM, 1x250W		350 x 524 x 160 x 146
054510	K-2-250H-SYM, 1x250W, 3,0A		350 x 524 x 160 x 146
054511	K-2-250H-ASYM, 1x250W, 3,0A		350 x 524 x 160 x 146
054521	K-2-250H-SYM, 1x250W, 2,15A		350 x 524 x 160 x 146
054520	K-2-250H-ASYM, 1x250W, 2,15A		350 x 524 x 160 x 146
K-3			
054512	K-3-400S-SYM, 1x400W	HST/E40	452 x 660 x 218 x 180
054513	K-3-400S-ASYM, 1x400W		452 x 660 x 218 x 180
054514	K-3-400H-SYM, 1x400W, 4,2A		452 x 660 x 218 x 180
054515	K-3-400H-ASYM, 1x400W, 4,2A		452 x 660 x 218 x 180
054523	K-3-400H-SYM, 1x400W, 3,5A		452 x 660 x 218 x 180
054522	K-3-400H-ASYM, 1x400W, 3,5A		452 x 660 x 218 x 180

S –high pressure sodium discharge lamp, **H** –metal halide lamp

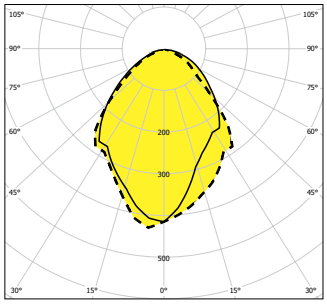
THE LIGHT FIXTURES WITH E40 LAMPHOLDER CAN BE USED WITH TUBULAR LAMPS

K-2-250H, 1x250W – assymetric reflector



—— C0-C180 - - - - C90-C270

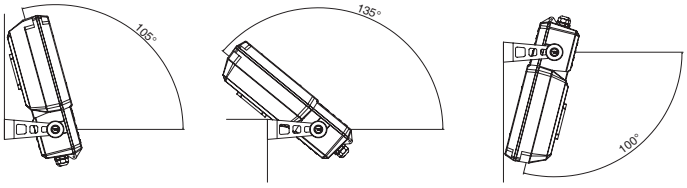
K-3-400H-S, 1x400W



—— C0-C180 - - - - C90-C270

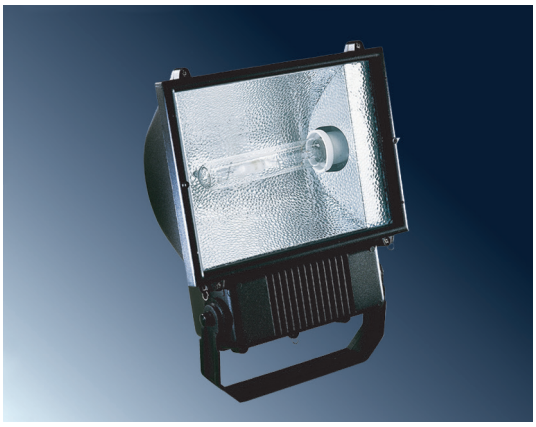
Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

Permissible positions during operation of light fixture



XANTI

IP 66



Application: XANTI dustproof light fixture with resistance against intensive water jets is designed for lighting interior or exterior areas, i.e. advertising boards, sport grounds, parking areas, stores, outdoor work areas.

Ballast: Electromagnetic ballast 230V/50Hz, with parallel compensation

Body: Alluminium casting, ballast part from GRP (polystyr filled with fibreglass)

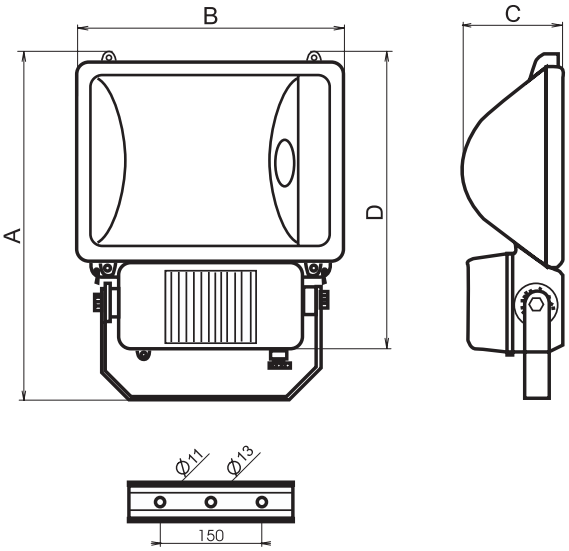
Cover: Tempered safety glass, polyester filled with fibreglass

Reflector: Highly polished aluminium sheet

Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

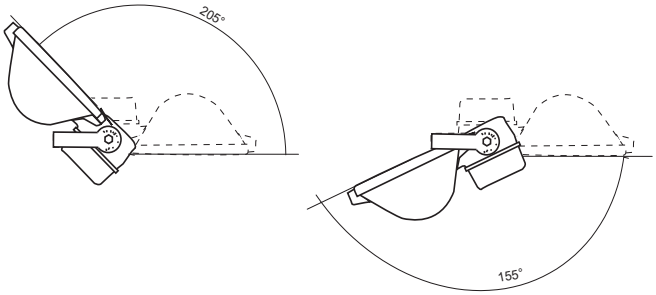
230 V 50 Hz | t_a 30°C | KVG | IK 7



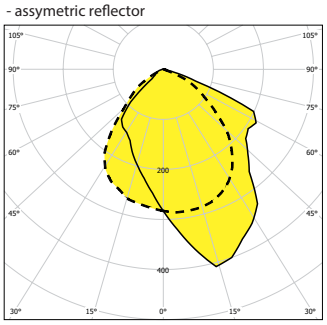
			A x B x C x D (mm)
– inductive ballast			
054560	XANTI-150H-ASYM, 1x150W	HIT/E40	505 x 400 x 155 x 460
054561	XANTI-150H-SYM, 1x150W	HIT/E40	505 x 400 x 155 x 460
054562	XANTI-150S-ASYM, 1x150W	HST/E40	505 x 400 x 155 x 460
054563	XANTI-150S-SYM, 1x150W	HST/E40	505 x 400 x 155 x 460
054564	XANTI-250H-ASYM, 1x250W, 3,0A	HIT/E40	505 x 400 x 155 x 460
054565	XANTI-250H-SYM, 1x250W, 3,0A	HIT/E40	505 x 400 x 155 x 460
054572	XANTI-250H-SYM, 1x250W, 2,15A	HIT/E40	505 x 400 x 155 x 460
054574	XANTI-250H-ASYM, 1x250W, 2,15A	HIT/E40	505 x 400 x 155 x 460
054566	XANTI-250S-ASYM, 1x250W	HST/E40	505 x 400 x 155 x 460
054567	XANTI-250S-SYM, 1x250W	HST/E40	505 x 400 x 155 x 460
054568	XANTI-400H-ASYM, 1x400W, 4,2A	HIT/E40	505 x 400 x 155 x 460
054569	XANTI-400H-SYM, 1x400W, 4,2A	HIT/E40	505 x 400 x 155 x 460
054573	XANTI-400H-SYM, 1x400W, 3,5A	HIT/E40	505 x 400 x 155 x 460
054575	XANTI-400H-ASYM, 1x400W, 3,0A	HIT/E40	505 x 400 x 155 x 460
054570	XANTI-400S-ASYM, 1x400W	HST/E40	505 x 400 x 155 x 460
054571	XANTI-400S-SYM, 1x400W	HST/E40	505 x 400 x 155 x 460

S – high pressure sodium discharge lamp, **H** –metal halide lamp

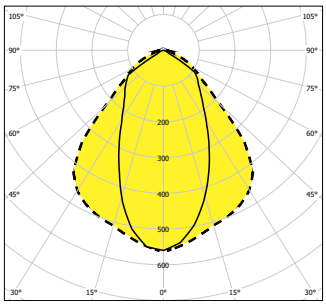
THE LIGHT FIXTURES WITH E40 LAMPHOLDER CAN BE USED WITH TUBULAR LAMPS



XANTI-400H, 1x400W, IP65
- assymetric reflector



XANTI-400H, 1x400W, IP65



—— C0-C180 - - - - C90-C270 —— C0-C180 - - - - C90-C270

Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

EXPLANATORY NOTES

Mark	Explanation
CE	The CE mark is a basic document for the compliance review within EU. The CE mark placed on the product symbolizes the fact that the person, who is responsible for this attached mark, checked that the product is compliant with all the provisions of the European Union.
IK 8	Code for protection level provided with covers of electric appliances against the exterior mechanical impact (IK code)
	The mark of fulfilment given prescripts for EMC.
E	Luminaires for use with high-pressure sodium discharge lamps having external ignition equipment.
I	Luminaires for use with high-pressure sodium discharge lamps having inner ignition equipment
	Insulation class II.
Ex	The mark for luminaires used in premises with a danger of explosion.
230 V 50 Hz / 24 V DC	Supply voltage and frequency
t_a 30°C	Rated highest ambient temperature.
KVG	Electromagnetic ballast
EVG	Electronic ballast
EVG DIM	Dimable electronic ballast
REG	Luminaires for lighting of communications with possibility of regulation
	Rough service luminaire
1F 3F	Three-phase or one-phase through wiring connection
EXIT	Emergency lighting fixture
Silikon	Luminaires with silikonfree parts
	Protective cage
UV STABIL	Used plastic parts are UV stable
	The possibility to be equipped with GESIS connectors
EAC	Certificate according to GOST-R – certify quality of supplied goods and conformity with contractual terms.
RAL	Other colour scale
eLED	LED lamps eLED 8-32W, 230V/50Hz

Marking of plastic parts

Mark	Explanation
PC	Polycarbonate
PS	Polystyrene
ABS	Akrylonitril-butadien-styren
SAN	Styrén-akrylonitril

Mark	Explanation
PP	Polypropylene
HPS	Hard polystyrene
PC+G30	Polycarbonate + 30% glass fibres
PBT	Polybutylentereftalate

BASIC TECHNICAL INFORMATION ABOUT AREA WITH DANGER OF EXPLOSION

Application for electrical devices in hazardous areas is very wide and specific. Please find hereunder some basic information about this matter as followed:

Classification of areas with danger of explosion

BE3N1	danger of inflammable dusts explosion
BE3N2	danger of inflammable gases and vapours explosion
BE3N3	danger of fire and explosives explosion

Devices of Group I

a) Category M 1 includes devices constructed and if it is necessary equipped with additional special protective facilities in order to be able to operate according to operation parameters defined by producer and ensured very high level of protection.
Devices of this category will be applicable for underground parts of mines endangered with methane or inflammable dust.

b) Category M 2 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured very high level of protection.
Devices of this category will be applicable for underground parts of mines with supposed danger by methane or inflammable dust and in such parts of surface maines, where is supposed danger of methane or inflammable dust.

Devices of Group II

a) Category 1 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured very high level of protection.
Devices of this category will be applicable in areas, where explosive atmosphere is created by mixture of air with gases, vapours or airdust mixture permanently presented, for a long time or oftenly.

b) Category 2 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured very high level of protection.
Devices of this category will be applicable in areas, where is supposed occasional occurence of explosive atmosphere created by mixture of air and dusts, vapours or airdust mixture.
Protective facilities for devices of this category ensuring enough level of protection and in case of often disturbances or often devices failure, where is necessaty to operate with.

c) Category 3 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured regular level of protection.
Devices of this category will be applicable in areas, where occurence of explosive atmosphere created by mixture of air and dusts, vapours or airdust mixture is not suppossed and if explosive atmosphere is occured it will be presented rarely only and for a short time period only.

Area with danger of inflammable dusts explosion.

Application of electrical devices and electrical installation is according to ČSN EN 61241-14 and ČSN EN 61241-17.

Zone 20: An area in which an explosive dust atmosphere is continuously present or for periods or frequently
Zone 21: An area in which an explosive dust atmosphere is likely to occur in normal operation occasionally
Zone 22: An area in which an explosive dust atmosphere is not likely to occur in normal operation and if it occurs it will exist only for a short time

The range of electric devices:
a) dust layer < 5 mm: Tmax < T5mm – 75 K
b) dust layer from 5 to 50 mm: specified according to ČSN EN 50 281-1-2:1999
c) dust: Tmax < 2/3Tcl

where Tmax – max allowed surface temperature of equipment
T5mm – 5 mm dust layer ignition temperature
Tcl – dust ignition temperature

Area with danger of inflammable gases and vapours

Application of electrical devices and electrical installation is according to ČSN EN 60 079-10 and ČSN EN 60 079-14.

Zone 0: An area in which an explosive gas atmosphere is continuously present or for periods or frequently
Zone 1: An area in which an explosive gas atmosphere is likely to occur in normal operation occasionally
Zone 2: An area in which an explosive gas atmosphere is not likely to occur in normal operation and if it occurs it will exist only for a short time

Area with danger of fire and explosives explosion

Application of electrical devices and electrical installation is according to ČSN EN 33 2340:1980.

V1: Quite as exeption, it can occur the direct initiation of explosive by electric current, the explosive does not dust and does not vapour
V2: As exeption, it can occur the contact between explosive and electric device, the explosive dusts, it vapours but rarely.
V3: Permanent contact between explosive and electric device, explosive dusts, it vapours any time

MUTUAL RELATION BETWEEN ZONES AND CATEGORIES SEPARATION OF DEVICE

Zone	Occurence of explosive atmosphere	Category
0 20	Occurence continuously present or for periods or frequently	1
1 21	Occurence occasionally	2
2 22	Occurence rarely or shortly	3

Temperature classification and max. surface temperature of device

Temperature classification	T6	T5	T4	T3	T2	T1
Maximum surface temperature of device (°C)	85	100	135	200	300	450

Explanation of individual symbols used for marking of the lighting fixtures suitable for area with danger of explosion:

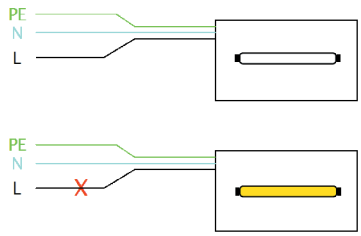
VYRTYCH
Bělehradská 314/18, 140 00 Praha 4, Czech Republic
Typ: EXTEND-Ex-P-236-D
Ex II 2G Ex d e mb IIC T4 Gb
Ex II 2D Ex tb IIIC T65°C Db
FTZÚ 10 ATEX 0229X
220-250V, 0-60Hz, 2x36W/T26
-20°C<=ta<=55°C, IP65, třída I výroba 2014
CE 1026

CE 1026	European marking of conformity with registering code of notified body issuing the Certificate
Ex	Marking of protection against explosion
II	Group of device II
2	Category of device 2
G	Device for area with danger of gas and vapours explosion
D	Device for area with danger of dust explosion
T65°C	Maximum surface temperature of device
Ex	Marking for protection method according to valid standards CENELEC
d e mb	Type of protection against explosion
IIC, IIIC	Marking of groups and subgroups for lighting fixtures
T4	Temperature classification
FTZÚ	Notified body issued the certificate
10	Year of certificate issue
ATEX	Tests made according to ATEX Directives (ATmosphere EXplosives)
0229X	Certificate number

EMERGENCY LIGHTING TYPES

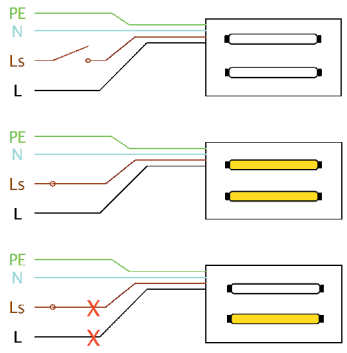
Em – non-maintained emergency lighting (1h,3h)

The lamp is operate just for emergency lighting according to used battery for 1 h or 3h



MULTI – maintained emergency lighting (1h,3h)

One of the lamps operate for standard lighting and emergency lighting acording to used battery for 1h or 3h. The lamp for emergency lighting is operate together with other lamps in standard operation.



* In case of luminaires with more lamps is lighting just one for emergency.

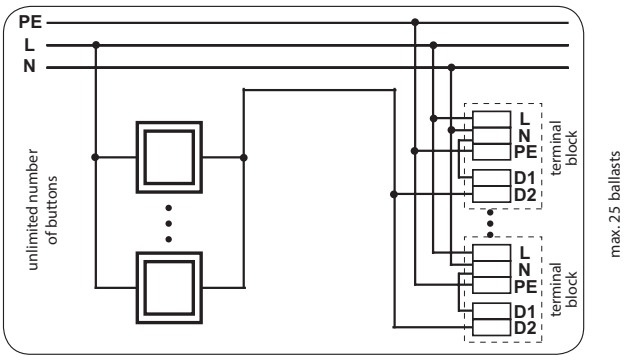
** The request for CBS (Central Battery System) must be specified in order.

REGULATION OF LIGHTING:

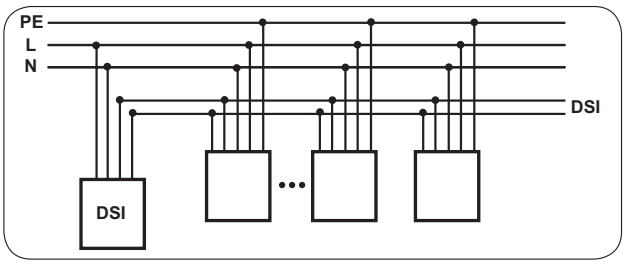
Electronic ballasts enable to control lighting in a range of 1-100%. It is necessary to use the dimmable electronic ballast. The fixtureswiththistypeofballastaremarkedwithaffix– DIMinourassortment.WeuseTRIDONICelectronicballasts.Incaseof another requirement, it is possible to install the ballasts from any world producers with other method of dimming (e.g. analogue 1-10V).

Control for digital electronic ballasts:

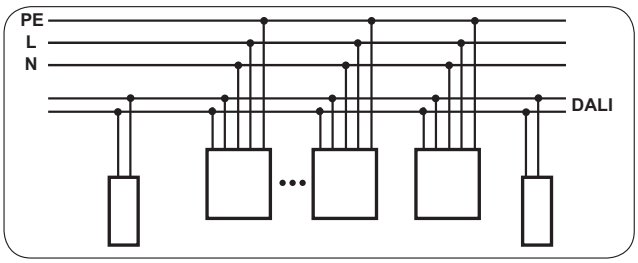
1) dimming with buttons (switchDIM)
The dimming of ligting systems with standard button (e.g. ABB Tango, Element, Time, …). Such connected lighting system (to 25 electronic ballasts) can be controlled with unlimited number of buttons parallely connected. The short press switches on or switch off the system, the press for a longer time controls the intensity of illumination.
Connection: At the connection, it is necessary to interconnect N and D1 poles of the terminal block.
Attention: If you use dimmable electronic ballast ECO, the fixturesswitchesonbythemselvesafterpowerfailure.



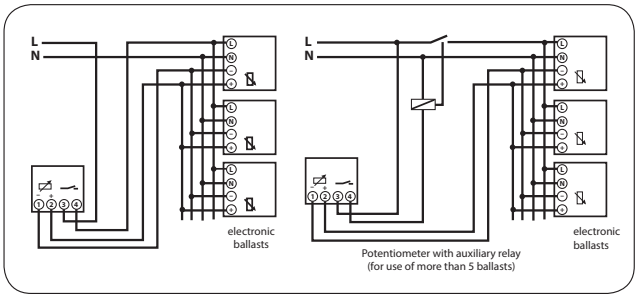
2) dimming with DSI signal (smartDIM, modularDIM)
The fixturescontrolledwithDSIsignalcanberegulatedwith buttons,remotecontroller,motionsensor.Italsoenablestocontrolthe dimming according to daylight, to program various scenes (smartDIM, modularDIM systems).
Connection: The conductors with DSI signal are connected to D1 and D2 poles of the terminal block. It does not depand on the polarity.



3) dimming with DALI signal (comfortDIM)
The fixtures controlled with DALI signal enable the same functions as DSIsignal, fixures and all control elements can beconnected with double-wire conductor and the setup of the lighting groups is done after the installation. The control and state checking is also possible with computer. The change of setup into lighting group is very simple. It enables to modify the lighting system any way.
Connection: The conductors with DALI signal are connected to D1 and D2 poles of the terminal block. It does not depand on the polarity.



The luminaires are controlled by auxiliary voltage 1–10 V. It is fully analogue technology for output control system, where ther are followed mostly advantages of usage like simplicity, clarity, variability and low demands for installation. This version is useful esspecially for smaller applications with demands of dimming by means of turning driver and both there are no high demands for advanced control logical functions (stages, visualization, cooperation with PC, wireless control etc.).



Connection : electronic ballast for 1–10 V control function except of own power voltage also connected with two-wire control line (polarity +/- must be observed), where is provided communication between luminale(ballast) and control element.

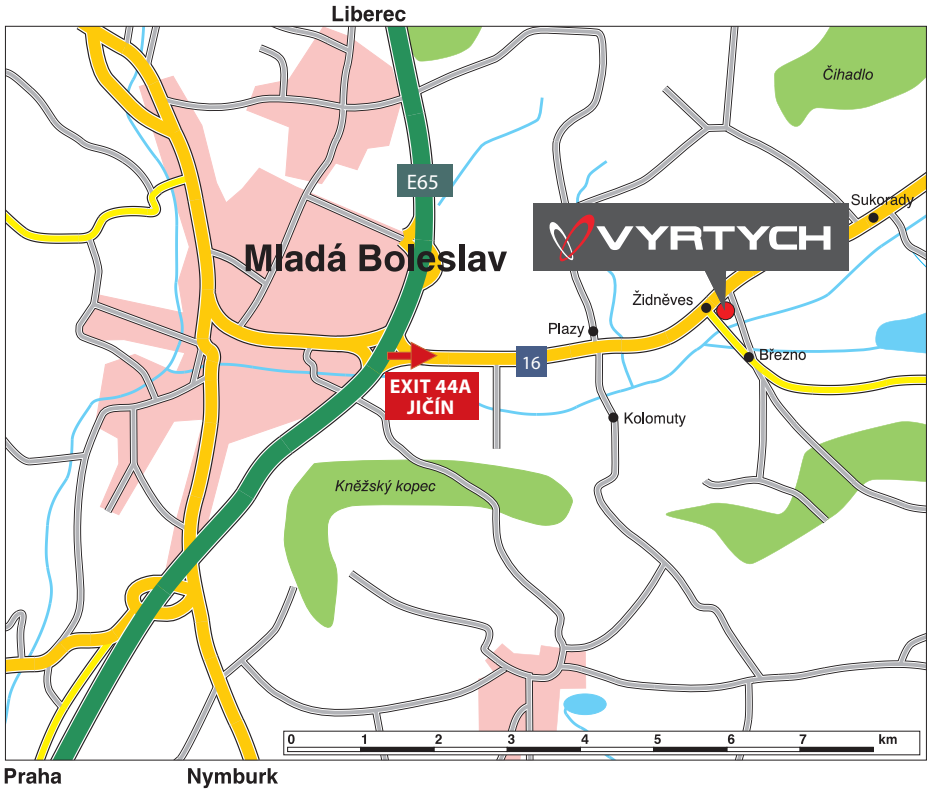
Chemical resistance of the lighting housings made from thermoplastics

Environment with chemical agents	concentration	polycarbonate/PC			acrylic/AC (PMMA)			polystyrene/PS H			ABS (Forsan)		
		yes	Relatively	not	yes	Relatively	not	yes	Relatively	not	yes	Relatively	not
Acetone (Ketone)				x			x			x			x
Aniline (organical base)			x				x			x			x
Ammonia	5%			x	x				x		x		
Benzene and benzol				x			x			x			x
Deithylether (ether)				x		x				x			x
Pottasium nitride-nitrate		x			x								
Ethanol (alcohol)	50%	x				x			x			x	
Ethylacelar(ester)				x			x			x			x
Ethylalcoholт		x				x		x			x		
Phenol				x			x			x			x
Glycerin			x		x								
Heptane					x			x					x
Ammonium hydroxide/	25%				x				x			x	
Sodium hydroxide-lve	60%			x			x	x			x		
Sodium chloride – salt solution	15%	x			x			x			x		
Chloride sulfirous and calcic		x			x								
Chloride carbonic and nitrite				x	x					x			x
Chloride ferrous			x			x							
Acid arsenic and oily		x					x	x			x		
Citric acid	20%	x			x			x			x		
Nitric acid	20%		x			x			x			x	
Nitric acid													
Hydrochloric acid	5%	x			x			x			x		
Hydrochloric acid	35%			x			x			x			x
Acid chromium	40%		x			x			x			x	
Formic acid	30%			x		x							
Acetatic acid	10%	x			x			x				x	
Methoxide	30%	x			x			x				x	
Methanol				x			x			x			x
Diesel-fuel mixtures			x			x				x	x		
Mineral oil			x		x				x		x		
Vegetable oil			x		x			x			x		
Rape oil – biodiesel			x		x			x				x	
Kerosine			x			x		x				x	
Hydrogen peroxide	30%						x			x		x	
Ammonium vitriol, sodium sulfate etc.	15%	x			x			x			x		
Toluene (non-polar hydrocarbons)				x			x			x			x
Turpentine									x				x
Trichlorethylene				x			x			x			x
Bicarbonate	20%	x			x			x			x		
Aliphatic hydrocarbons		x			x							x	
Aromatic and halide hydrocarbons				x			x			x			x
Alcalines				x	x			x			x		

Current and input power of fixtures

Type	Marking	Lamp socket	Lamp power	with capacitor		without capacitor		electronic ballast	
				Current [A]	Total input power [VA]	Current [A]	Total input power [VA]	Current [A]	Total input power [VA]
Bulbs									
1x60	A60	E27	60	-	-	0,26	60,0	-	-
Linear light sources									
1x6	T16	G5	6	-	-	-	-	0,05	12,0
1x8	T16	G5	8	-	-	-	-	0,06	14,5
1x13	T16	G5	13	-	-	-	-	0,10	22,1
1x14	T16	G5	14	-	-	-	-	0,08	18,4
1x24	T16	G5	24	-	-	-	-	0,12	27,6
1x21	T16	G5	21	-	-	-	-	0,11	25,3
1x39	T16	G5	39	-	-	-	-	0,19	43,7
1x28	T16	G5	28	-	-	-	-	0,15	34,5
1x54	T16	G5	54	-	-	-	-	0,25	57,5
1x35	T16	G5	35	-	-	-	-	0,18	41,4
1x80	T16	G5	80	-	-	-	-	0,35	80,5
2x14	T16	G5	14	-	-	-	-	0,14	31,0
2x24	T16	G5	24	-	-	-	-	0,22	48,5
2x21	T16	G5	21	-	-	-	-	0,21	45,5
2x39	T16	G5	39	-	-	-	-	0,39	84,0
2x28	T16	G5	28	-	-	-	-	0,28	61,0
2x54	T16	G5	54	-	-	-	-	0,53	114,5
2x35	T16	G5	35	-	-	-	-	0,35	76,5
2x80	T16	G5	80	-	-	-	-	0,80	175,0
1x18	T26	G13	18	0,13	29,9	0,35	80,5	0,09	20,7
2x18	T26	G13	36	0,20	46,0	0,37	85,1	0,18	41,4
4x18	T26	G13	72	0,40	92,0	0,75	172,5	0,33	75,9
1x36	T26	G13	36	0,19	43,7	0,39	89,7	0,16	36,8
2x36	T26	G13	72	0,41	94,3	0,84	193,2	0,32	73,6
3x36	T26	G13	108	0,62	142,6	1,20	276,0	0,48	110,4
4x36	T26	G13	144	0,94	216,2	1,60	368,0	0,65	149,5
1x58	T26	G13	58	0,29	66,7	0,56	128,8	0,27	62,1
2x58	T26	G13	116	0,60	138,0	1,16	266,8	0,51	117,3
3x58	T26	G13	174	-	-	-	-	0,79	181,7
4x58	T26	G13	232	-	-	-	-	1,05	241,5
Compact light sources									
1x9	TC-S	G23	9	-	-	0,17	39,1	-	-
1x11	TC-S	G23	11	-	-	0,15	34,5	-	-
2x11	TC-S	G23	22	-	-	0,31	71,3	-	-
1x9	TC-SEL	2G7	9	-	-	-	-	0,07	16,1
1x11	TC-SEL	2G7	11	-	-	-	-	0,08	18,4
2x11	TC-SEL	2G7	22	-	-	-	-	0,12	27,6
1x36	TC-L	2G11	36	-	-	0,42	96,6	-	-
2x36	TC-L	2G11	72	-	-	0,89	204,7	-	-
1x13	TC-D	G24d1	13	-	-	0,18	41,0	-	-
1x18	TC-DEL	G24q2	18	-	-	-	-	0,09	21,0
1x16	TC-DD	GR10q	16	-	-	0,20	46,0	-	-
1x21	TC-DD	GR10q	21	-	-	0,26	59,8	-	-
1x22	T29-R	G10q	22	-	-	-	-	0,42	97,0
1x22	T16-R	2GX13	22	-	-	-	-	0,12	26,1
1x24	TC-F	2G10	24	-	-	-	-	0,09	21,0
1x60		2G8	60	-	-	-	-	0,30	69,0
1x85		2G8	85	-	-	-	-	0,40	92,0
1x120		2G8	120	-	-	-	-	0,60	138,0
Inductive lamp									
1x70	LMT70		70	-	-	-	-	0,34	82,0
1x100	LMT100		100	-	-	-	-	0,47	107,0
1x150	LMT150		150	-	-	-	-	0,67	152,0
High pressure sodium discharge lamps									
1x50	HSE	E27	50	0,34	78,2				
1x70	HSE	E27	70	0,37	85,1				
1x70	HST-DE	RX7s	70	0,36	83,0				
1x100	HSE	E40	100	0,57	131,1				
1x150	HSE	E40	150	0,79	181,7				
1x150	HST-DE	RX7s-24	150	0,70	170,0				
1x250	HSE	E40	250	1,39	319,7				
1x400	HSE	E40	400	2,08	478,4				
High pressure mercury lamps									
1x50	HME	E27	50	0,23	52,9				
1x80	HME	E27	80	0,39	89,7				
1x125	HME	E27	125	0,61	140,3				
1x250	HME	E40	250	1,26	289,8				
1x400	HME	E40	400	2,12	487,6				
High pressure metalhallide lamps									
1x70	HIE	E27	70	0,38	87,4				
1x70	HIT-DE	RX7s	70	0,39	95,0				
1x100	HIE	E27	100	0,61	140,3				
1x150	HIE	E27	150	0,79	181,7				
1x150	HIT-DE	RX7s	150	0,70	170,0				
1x250	HIE	E40	250	1,39	319,7				
1x400	HIE	E40	400	2,07	476,1				

LOCATION OF COMPANY



The firm is situated next to the main road No. 16, between Mlada Boleslav and Jicin near village Zidneves approximately 5 km from Mlada Boleslav.

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