



# ***Explosion proof** luminaires*

 **VYR TYCH**  
*The touch of light*



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 degree of protection against of water and dust penetration (IP54 – IP68, IP69K), lighting for extreme 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.

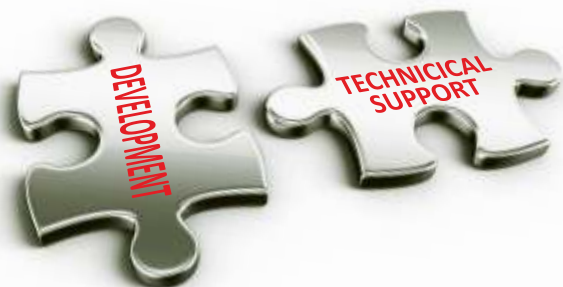
**The company has got the certificates as followed:**

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.





## Key figures:

- Explosion - proof linear LED luminaire for ZONE 1,21 and 2,22
- Plastic housing with an impact strength rating of IK10 and IP66
- UV stabil
- Protection against dust and water jet
- Emergency version available

## Application:

Oil&Gas plants, Automotive plants,  
Heavy industry, Power plants,  
Wood industry, Military facilities, ...



Body material	Polycarbonate RAL7035
Cover	Polycarbonate transparent
Lamp	LED
Reflector	-
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-20°C + 50°C
IP Rating	IP66
IK Rating	IK10
Protection class	I
Fastening	Surface, Suspension
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex eb mb op is IIC T4 Gb
	II 2D Ex tb IIIC T67°C Db

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
055290	EXTRA-Ex-LED-2500-218-4K	4000	2360	28	670 x 155 x 105
055291	EXTRA-Ex-LED-5000-236-4K	4000	4650	51	1280 x 155 x 105





### Key figures:

- Explosion - proof linear LED luminaire for ZONE 1,21 and 2,22
- Plastic housing from GRP with fiber glass and IP66
- UV stabil
- Protection against dust and water jet
- Emergency version available

### Application:

Oil&Gas plants, Automotive plants,  
Heavy industry, Power plants,  
Wood industry, Military facilities, ...

Body material	GRP with glass fiber RAL7035
Cover	Polycarbonate transparent
Lamp	LED
Reflector	-
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-20°C + 55°C
IP Rating	IP66
IK Rating	IK10
Protection class	I
Fastening	Surface, Suspension
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex db eb mb OP IS IIC T4 Gb II 2D Ex tb IIIC T 71°C Db

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
with disconnecter, -20°C ≤ ta ≤ +55°C					
054720	EXTEND-Ex-P-LED-D-2500-218-4K	4000	2307	28	728 x 244 x 154
054721	EXTEND-Ex-P-LED-D-5000-236-4K	4000	4454	55	1328 x 244 x 154
without disconnecter, -20°C ≤ ta ≤ +55°					
054730	EXTEND-Ex-P-LED-WOD-2500-218-4K	4000	2307	28	728 x 244 x 154
054731	EXTEND-Ex-P-LED-WOD-5000-236-4K	4000	4454	55	1328 x 244 x 154



# X Aqua 70 EX LED X

## Key figures:

- Explosion – proof tubular LED luminaire for ZONE 1,21 and 2,22
- Plastic housing with an impact strength rating of IK10 and IP66/68
- UV stabil
- Protection against dust and water jet
- Plastic and stainless steel bracket available

## Application:

Oil & Gas plants, Automotive plants,  
Heavy industry, Power plants,  
Wood industry, Military facilities, ...



Body material	Polycarbonate tube (4 mm) + plastic sealing ends
Cover	-
Lamp	LED
Reflector	-
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-20°C + 55°C
IP Rating	IP66/68
IK Rating	IK10
Protection class	I
Fastening	Surface, Suspension
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex eb mb op is IIC T4 Gb II 2D Ex tb op is IIIC T62°C Db

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
84011	AQUA-70-Ex-LED-D-2500-118-4K	4000	2389	29	1144 x 425x 65
84012	AQUA-70-Ex-LED-D-5000-136-4K	4000	4421	52	1755 x 478x 65
84015	AQUA-70-Ex-LED-WOD-2500-118-4K	4000	2389	29	1144 x 425x 65
84016	AQUA-70-Ex-LED-WOD-5000-136-4K	4000	4421	52	1755 x 478x 65





### Key figures:

- Explosion - proof robust LED luminaire for ZONE 1,21 and 2,22
- Metal housing with safety glass
- Resistant against chemical aggressive environment
- Stainless steel housing available
- Emergency version available

### Application:

Oil&Gas plants, Chemical industry,  
Automotive plants, Heavy industry,  
Power plants, Military facilities, ...

Body material	Metal sheet RAL 9003
Cover	Tempered safety glass
Lamp	LED
Reflector	Metal sheet RAL 9003
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-20°C + 60°C
IP Rating	IP65
IK Rating	IK08
Protection class	I
Fastening	Surface, Suspension, Recessed
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex db eb mb op is IIC T4 Gb
	II 2D Ex tb IIIC T 67°C Db

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
<b>with disconnecter, ta -20 °C ≤ ta ≤ +60 °C</b>					
053660	PITBUL-Ex-LED-D-2500-218-4K	4000	2200	28	701 x 302 x 130
053662	PITBUL-Ex-LED-D-5000-236-4K	4000	4400	55	1312 x 302 x 130
<b>with disconnecter, ta -20 °C ≤ ta ≤ +55 °C</b>					
053661	PITBUL-Ex-LED-D-5000-418-4K	4000	4400	55	701 x 362 x 130
053663	PITBUL-Ex-LED-D-10000-436-4K	4000	8800	103	1312 x 362 x 130
<b>without disconnecter, ta -20 °C ≤ ta ≤ +60 °C</b>					
053656	PITBUL-Ex-LED-WOD-2500-218-4K	4000	2200	28	701 x 302 x 130
053658	PITBUL-Ex-LED-WOD-5000-236-4K	4000	4400	55	1312 x 302 x 130
<b>without disconnecter, ta -20 °C ≤ ta ≤ +55 °C</b>					
053657	PITBUL-Ex-LED-WOD-5000-418-4K	4000	4400	55	701 x 362 x 130
053659	PITBUL-Ex-LED-WOD-10000-436-4K	4000	8800	103	1312 x 362 x 130



## Key figures:

- Explosion – proof antivandal LED luminaire for ZONE 1,21 and 2,22
- Metal housing with an impact strenght rating of IK10 and IP67
- UV stabil
- Protection against dust and water jet
- Stainless steel housing available

## Application:

Oil & Gas plants, Automotive plants,  
Heavy industry, Power plants,  
Wood industry, Military facilities, ...



Body material	Metal sheet RAL 9003 + Polycarbonate ends
Cover	Polycarbonate tube (4 mm) + plastic sealing ends
Lamp	LED
Reflector	-
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 110-254V/50-60Hz, 220-250V DC
Temperature range	-20°C + 50°C
IP Rating	IP67
IK Rating	IK10
Protection class	I
Fastening	Surface
Warranty	5 years
Ex-ZONE	1,21
ATEX classification	II 2G Ex eb mb op is IIC T4 Gb
	II 2D Ex tb op is IIIC T62°C Db

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
<b>- ta -20°C ≤ ta ≤ +50°C</b>					
84013	RAMBO-Ex-LED-D-2500-118-4K	4000	2146	28	1317 x 113 x 76
84017	RAMBO-Ex-LED-WOD-2500-118-4K	4000	2146	50	1317 x 113 x 76
<b>- ta -20°C ≤ ta ≤ +45°C</b>					
84014	RAMBO-Ex-LED-D-5000-136-4K	4000	4100	28	1927 x 113 x 76
84018	RAMBO-Ex-LED-WOD-5000-136-4K	4000	4100	50	1927 x 113 x 76





### Key figures:

- Explosion - proof linear LED luminaire for ZONE 2,22
- Plastic housing with an impact strength rating of IK10 and IP66
- UV stabil
- Protection against dust and water jet
- Emergency version available

### Application:

Oil&Gas plants, Automotive plants,  
Heavy industry, Power plants,  
Wood industry, Military facilities, ...

Body material	Polycarbonate RAL7035
Cover	Polycarbonate transparent
Lamp	LED
Reflector	-
LED lifetime	L70B10 ta30 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz, 220-240V DC
Temperature range	-20°C + 50°C
IP Rating	IP66
IK Rating	IK10
Protection class	I
Fastening	Surface, Suspension
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	II 3G Ex nR IIC T6 Gc II 3D Ex tc IIIC T62°C Dc

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
<b>-20°C ≤ ta ≤ +45°C</b>					
055260	EXTRA-N-LED-1250-218-4K	4000	1098	9	670 x 155 x 105
055261	EXTRA-N-LED-2500-218-4K	4000	2196	20	670 x 155 x 105
055266	EXTRA-N-LED-3750-258-4K	4000	3371	34	1580 x 155 x 105
055267	EXTRA-N-LED-7500-258-4K	4000	6741	51	1580 x 155 x 105
<b>-20°C ≤ ta ≤ +50°C</b>					
055263	EXTRA-N-LED-2500-236-4K	4000	2247	20	1280 x 155 x 105
055264	EXTRA-N-LED-5000-236-4K	4000	4494	34	1280 x 155 x 105
<b>-20°C ≤ ta ≤ +40°C</b>					
055262	EXTRA-N-LED-5000-218-4K	4000	4277	34	670 x 155 x 105
055265	EXTRA-N-LED-10000-236-4K	4000	8556	68	1280 x 155 x 105
<b>-20°C ≤ ta ≤ +35°C</b>					
055268	EXTRA-N-LED-12250-258-4K	4000	10809	82	1580 x 155 x 105





## Key figures:

- Explosion - proof linear LED luminaire for ZONE 2,22
- Metal housing with an impact strength rating of IK08 and IP66
- Protection against dust and water jet
- Stainless steel housing available
- For ambient up to 60°C

## Application:

Oil&Gas plants, Chemical industry,  
Automotive plants, Heavy industry,  
Power plants, Military facilities, ...



Body material	Metal sheet RAL 9003
Cover	Tempered safety glass
Lamp	LED
Reflector	Metal sheet RAL 9003
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz, 220-240V DC
Temperature range	-20°C + 60°C
IP Rating	IP66
IK Rating	IK08
Protection class	I
Fastening	Surface, Suspension
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	II 3G Ex nR IIC T6 Gc
	II 3D Ex tc IIIC T65°C Dc

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
<b>ta -20°C ≤ ta ≤ +45°C</b>					
056350	SALUKA-N-LED-1250-218-4K	4000	905	11	705 x 192 x 90
056351	SALUKA-N-LED-2500-218-4K	4000	1810	22	705 x 192 x 90
056352	SALUKA-N-LED-5000-218-4K	4000	3620	44	705 x 192 x 90
056355	SALUKA-N-LED-10000-236-4K	4000	7750	77	1305 x 192 x 90
056356	SALUKA-N-LED-3750-258-4K	4000	2800	30	1605 x 192 x 90
056357	SALUKA-N-LED-7500-258-4K	4000	5640	60	1605 x 192 x 90
<b>ta -20°C ≤ ta ≤ +40°C</b>					
056358	SALUKA-N-LED-12250-258-4K	4000	9215	92	1605 x 192 x 90
<b>ta -20°C ≤ ta ≤ +60°C</b>					
056353	SALUKA-N-LED-2500-236-4K	4000	1940	22	1305 x 192 x 90
056354	SALUKA-N-LED-5000-236-4K	4000	3875	44	1305 x 192 x 90





### Key figures:

- Explosion - proof extra flat LED luminaire for ZONE 2,22
- Metal housing with door opening system
- Protection against dust and water jet
- Stainless steel housing available

### Application:

Spraying and paint shops,  
Automotive plants, ...

Body material	Metal sheet RAL 9003
Cover	Tempered safety glass
Lamp	LED
Reflector	Metal sheet RAL 9003
LED lifetime	L70B10 ta40 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz, 220-240V DC
Temperature range	-20°C + 55°C
IP Rating	IP66
IK Rating	IK08
Protection class	I
Fastening	Recessed
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	II 3G Ex nR IIC T6 Gc II 3D Ex tc IIIC T63°C Dc

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
<b>ta -20°C ≤ ta ≤ +55°C</b>					
055880	NORD-N-LED-5000-218-4K	4000	4330	43	767 x 386 x 92
<b>ta -20°C ≤ ta ≤ +50°C</b>					
055881	NORD-N-LED-10000-236-4K	4000	8750	77	1367 x 386 x 92
<b>ta -20°C ≤ ta ≤ +45°C</b>					
055883	NORD-N-LED-10000-418-4K	4000	8670	77	767 x 536 x 92
<b>ta -20°C ≤ ta ≤ +40°C</b>					
055882	NORD-N-LED-15000-258-4K	4000	13180	107	1667 x 386 x 92
055884	NORD-N-LED-18300-436-4K	4000	15720	125	1367 x 536 x 92
<b>ta -20°C ≤ ta ≤ +30°C</b>					
055885	NORD-N-LED-29000-458-4K	4000	24910	194	1667x536x92



## Key figures:

- Explosion - proof robust LED luminaire for ZONE 2,22
- Metal housing with safety glass
- Resistant againts chemical aggressive enviroment
- Stainless steel housing available
- Emergency version available

## Application:

Oil&Gas plants, Chemical industry,  
Automotive plants, Heavy industry,  
Power plants, Military facilities, ...



Body material	Metal sheet RAL 9003
Cover	Tempered safety glass
Lamp	LED
Reflector	Metal sheet RAL 9003
LED lifetime	L70B10 ta35 - 100 000h
Colour temperature	4000K, Ra>80, Mac Adam3
Driver	electronic 220-240V/50-60Hz AC, 220-240V DC
Temperature range	-20°C + 65°C
IP Rating	IP65
IK Rating	IK08
Protection class	
Fastening	Surface, Suspension, Recessed
Warranty	5 years
Ex-ZONE	2,22
ATEX classification	II 3G Ex nR IIC T6 Gc II 3D Ex tc IIIC T68°C Dc

Art.Nr.	Description	[K]	[lm]	[W]	[mm]
<b>ta -20 °C ≤ ta ≤ +65 °C</b>					
053790	PITBUL-N-LED-D-5000-218-4K	4000	4208	34	701 x 302 x 130
<b>ta -20 °C ≤ ta ≤ +55 °C</b>					
053791	PITBUL-N-LED-D-10000-236-4K	4000	8870	71	1312 x 302 x 130
053792	PITBUL-N-LED-D-15000-258-4K	4000	13360	106	1611 x 302 x 130
053793	PITBUL-N-LED-D-10000-418-4K	4000	8480	70	701 x 362 x 130
<b>ta -20 °C ≤ ta ≤ +50 °C</b>					
053794	PITBUL-N-LED-D-18300-436-4K	4000	15835	121	1312 x 362 x 130
<b>ta -20 °C ≤ ta ≤ +45 °C</b>					
053795	PITBUL-N-LED-D-29000-418-4K	4000	24750	197	1611 x 362 x 130





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