PRODUCT CATALOGUE

Fluorescent and LED lighting for sport and industrial applications

April, 2015

ADAMS factory. Mragowo, Poland.

Ecolight™
Save simple.

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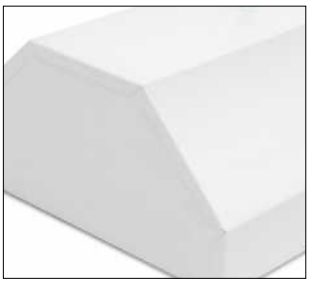
HIGH BAY LED LUMINARIES

High bay LED luminaries are designed for use in indoor applications up to 20 meters heights. The special highlights of the ECOLIGHT LED luminaries are low budget, high quality and energy-efficient light source in conjunction with optimum light control.



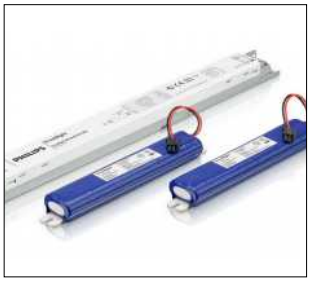
- Housing made of powder-coated 0.8 mm steel sheet color: white, RAL 9016L
- Special colors and coatings on request
- Special housings made from stainless steel available

- Latest LED technology from PHILIPS and OSRAM enables optimized and high energy efficient lighting

- Special Sport Protection Cages are available on special request.

- Best LED driver technology from OSRAM or PHILIPS
- Up to 100,000 hours lifetime
- Control by sensors or light management as an option
- Special ballasts on request

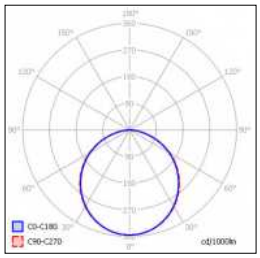
- Advanced lids with a corrosion-resistant aluminum frame (IP65)

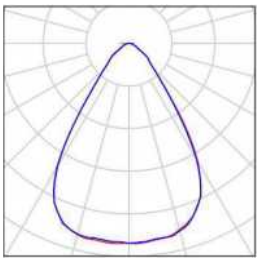


- All models are available with emergency packs

- Lids available in PMMA, Polycarbonate or Tempered Glass versions. This allows an optimal adaptation to the environmental conditions.

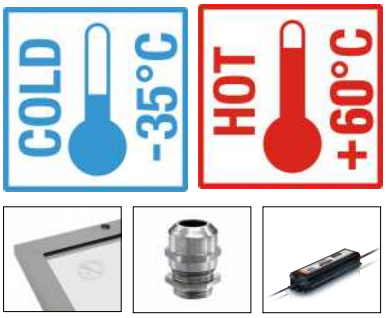
- Control by sensors and light management as an option





lumina

LED



Suitable for extreme temperature conditions.
Ask for XT modification.

THE ENERGY-EFFICIENT HIGH BAY LED LUMINAIRE

Models: LN-EN4/3L, LM-EN4/4F

LUMINA LED is a high quality high bay commercial luminaire.

LUMINA LED models are designed to be installed in heights from 4 meters and up to 20 meters and offers immediate savings of around 70% over traditional lightings. Units fitted with an intelligent sensor can easily extend savings to more than 90%. Different optics enables optimized and high efficient lighting for different applications.

All electronic components used in LUMINA LED are from OSRAM or PHILIPS only.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Optimum PIR Working Height (up to)	20 m
Electronic Control Gear	OSRAM or PHILIPS
Power factor (full load at 230V)	>0.90
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Operating Temperature	-20 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	IP65
Lid material	PMMA, Polycarbonate or Tempered Glass
Lid frame material	Anodized Aluminum
LED Lifespan L80 B10	> 50.000 hours

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

PZH* CNBOP*

LED IP65 DALI (optional) EM (optional)

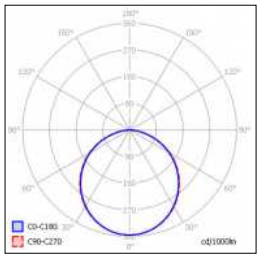
Ref.	Available Options	LED modules	Qty of modules	Wattage	Dimensions** (mm)			Optimum Working Height
					L	W	H	
LM-EN4/4F/6000	S/EM/SP/X/XT	PHILIPS	4	80W	1210	245	135	4 - 20 m
LM-EN4/4F/6000	S/EM/SP/X/XT	PHILIPS	4	100W	1210	245	135	4 - 20 m
LM-EN4/4F/6000	S/EM/SP/X/XT	PHILIPS	4	130W	1210	245	135	4 - 20 m
LN-EN4/3L/4400	S/EM/SP/X/XT	OSRAM / PHILIPS	6	80W	1210	245	135	4 - 10 m
LN-EN4/3L/4400	S/EM/SP/X/XT	OSRAM / PHILIPS	6	100W	1210	245	135	4 - 10 m
LN-EN4/3L/8000	S/EM/SP/X/XT	OSRAM / PHILIPS	6	130W	1210	245	135	4 - 15 m
LN-EN4/3L/8000	S/EM/SP/X/XT	OSRAM / PHILIPS	6	150W	1210	245	135	4 - 15 m
LN-EN4/3L/8000	S/EM/SP/X/XT	OSRAM / PHILIPS	6	180W	1210	245	135	4 - 15 m
LN-EN4/3L/8000	S/EM/SP/X/XT	OSRAM / PHILIPS	6	200W	1210	245	135	4 - 15 m

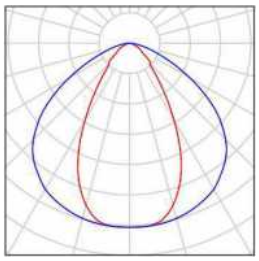
* in preparation
** dimensions of enclosed unit without sensor

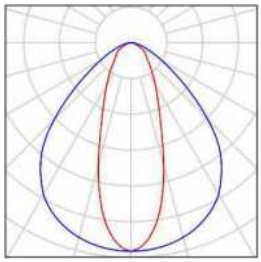
Additional options	Code
Extreme drivers	X
PIR and Light Sensor	S
Emergency Pack	EM
Protective Sport Cage	SP
Enforced version	XT

There is a possibility to order ready-to-use luminaries with desired length of cable installed.

Zhaga

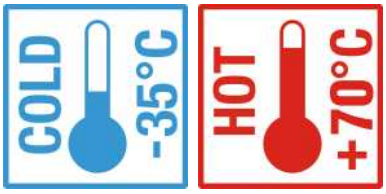






saula

LED



Suitable for extreme temperature conditions.
Ask for XT modification.

THE ENERGY-EFFICIENT HIGH BAY LED LUMINAIRE

Models: SL-EN2/2L, LN-EN2/4L, LN-EN4/2L, LN-EN4/4L, LP-EN2/1A, LP-EN4/4A

SAULA LED are a high quality high bay commercial luminaries.

SAULA LED is designed to be installed in heights from 2 meters and up to 20 meters and offers immediate savings of around 70% over traditional lightings. Units fitted with an intelligent sensor can easily extend savings to more than 90%.

All electronic components used in SAULA LED are from OSRAM or PHILIPS only.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Optimum PIR Working Height (up to)	8 m
Electronic Control Gear	OSRAM or PHILIPS
Power factor (full load at 230V)	>0.90
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Operating Temperature	
– Non Dimming Type	-20 - +50 ^{0}C
– Dimming Type	-10 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	IP65
Lid material	PMMA, Polycarbonate or Tempered Glass
Lid frame material	Anodized Aluminum
LED Lifespan L80 B10	> 50.000 hours

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

PZH* CNBOP*

LED IP65 DALI (optional) EM (optional)

Ref.	Available Options	LED modules	Qty of modules	Wattage	LED Luminous Flux per Fitting	Dimensions** (mm)			Optimum Working Height
						L	W	H	
LP-EN2/1A/4500	S/EM/R	OSRAM / PHILIPS	1	35W	4.500 lm	595	595	60	2 - 3 m
LP-EN2/1A/4500	S/EM/R	OSRAM / PHILIPS	1	55W	6.600 lm	595	595	60	2 - 4 m
LP-EN2/1A/4500	S/EM/R	OSRAM / PHILIPS	1	70W	8.000 lm	595	595	60	2 - 5 m
LP-EN4/4A/1100	S/EM/R	OSRAM / PHILIPS	4	35W	4.500 lm	1195	595	60	2 - 3 m
LP-EN4/4A/1100	S/EM/R	OSRAM / PHILIPS	4	55W	6.600 lm	1195	595	60	2 - 4 m
LP-EN4/4A/1100	S/EM/R	OSRAM / PHILIPS	4	70W	8.000 lm	1195	595	60	2 - 5 m
LN-EN4/2L/2600	S/EM/SP/D	OSRAM / PHILIPS	4	36W	5.200 lm	1210	245	60	2 - 5 m
LN-EN4/2L/4400	S/EM/SP/D	OSRAM / PHILIPS	4	68W	8.800 lm	1210	245	60	2 - 5 m
LN-EN4/2L/8000	S/EM/SP/D	OSRAM / PHILIPS	4	128W	16.000 lm	1210	245	60	4 - 15 m
LN-EN4/4L/2600	S/EM/SP/D	OSRAM / PHILIPS	8	74W	10.400 lm	1210	445	60	4 - 10 m
LN-EN4/4L/4400	S/EM/SP/D	OSRAM / PHILIPS	8	134W	17.600 lm	1210	445	60	4 - 15 m
LN-EN4/4L/8000	S/EM/SP/D	OSRAM / PHILIPS	8	255W	32.000 lm	1210	445	60	4 - 20 m

* in preparation
** dimensions of enclosed unit without sensor

Additional options	Code
Diffusers	D
PIR and Light Sensor	S
Emergency Pack	EM
Protective Sport Cage	SP
Enforced version	XT

Additional options	Code
Protective Sport Cage	SP
Enforced version	XT

There is a possibility to order ready-to-use luminaries with desired length of cable installed.

Zhaga

LOW BAY LED LUMINARIES

ECOLIGHT low bay LED luminaries are mainly designed for use in open areas from heights greater than 2 meters and up to 5 meters where wide beam angle is required. The special highlights of the ECOLIGHT middle bays are low budget, high quality and energy-efficient light source in conjunction with optimum light control.

- Housing made of powder-coated 0.5 mm steel sheet color: white, RAL 9016L
- Special colors and coatings on request

- IP65 models with ABS body and PC or PS diffusors

- Latest LED technology from OSRAM and PHILIPS
- High efficiency
- Standard LED modules which are easy to replace

- Latest LED technology from OSRAM and PHILIPS
- High efficiency
- Standard LED modules which are easy to replace

- Best LED driver technology from OSRAM or PHILIPS
- Up to 100,000 hours lifetime
- Control by sensors or light management as an option
- Special ballasts on request

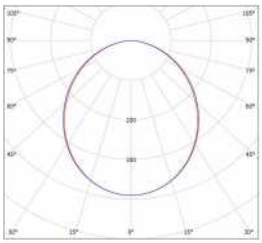
- Various IP65 body designs in shape and colors

- Integrated MICROWAVE detectors specifically designed to be used inside a luminaire

- Control by sensors and light management as an option

- Emergency packs available

Zhaga



RON

LED

LOW BAY LED LUMINAIRE

Models: RN-EN2/1A, EN-EN4/4A

RON LED is a low cost and high quality low bay LED luminaire.

RON LED is designated for illumination of public buildings (offices, schools, hospitals, vestibules and shops) in heights up to 5 meters high.

Luminaire housing made of sheet steel, painted white, suitable for direct mounting on the ceiling or using a hanger.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Electronic Control Gear	OSRAM or PHILIPS
Power factor (full load at 230V)	>0.90
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Operating Temperature	-20 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	IP40
Lid material	Opal PMMA
LED Lifespan L80 B50	> 50.000 hours

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

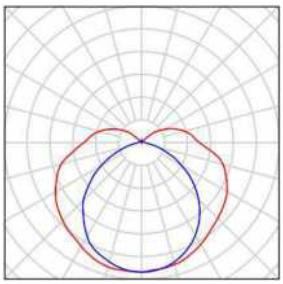
CE | PZH* | LED | IP40 | DALI (optional) | EM (optional)

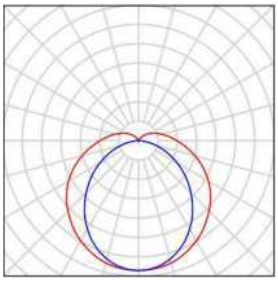
Ref.	Available Options	LED modules	Qty of modules	Wattage	LED Luminous Flux per Fitting	Dimensions (mm)			Optimum Working Height
						L	W	H	
RN-EN2/1A/4500	EM	OSRAM	1	35W	4.500 lm	635	635	70	2 - 3 m
RN-EN2/1A/4500	EM	OSRAM	1	55W	6.600 lm	635	635	70	2 - 4 m
RN-EN2/1A/4500	EM	OSRAM	1	70W	8.000 lm	635	635	70	2 - 5 m
RN-EN4/4A/1100	EM	OSRAM / PHILIPS	4	35W	4.500 lm	1270	370	70	2 - 3 m
RN-EN4/4A/1100	EM	OSRAM / PHILIPS	4	55W	4.500 lm	1270	370	70	2 - 4 m
RN-EN4/4A/1100	EM	OSRAM / PHILIPS	4	70W	8.000 lm	1270	370	70	2 - 5 m

* in preparation

Additional options	Code
Emergency Pack	EM
Microwave sensor	S

There is a possibility to order ready-to-use luminaries with desired length of cable installed.





eluma

LED

THE ENERGY-EFFICIENT LOW BAY LED LUMINAIRE

Models: LE-EN4/1L/4400, LE-EN4/1L/8000, LE-EN5/1L/5500, LE-EN5/1L/10000, PD-EN4/1L/4400, PD-EN4/1L/8000, PD-EN5/1L/5500, PD-EN5/1L/10000

ELUMA is a low cost and high efficiency LED luminaire that integrates fully with the operating environment.

ELUMA units are designed for heights greater than 2 meters up to 5 meters and offers immediate savings of around 70% over traditional lightings. Units fitted with an intelligent sensor can easily extend savings to more than 90%.

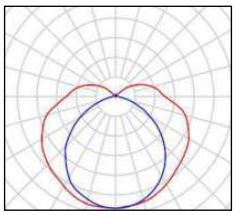
TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Operating Frequency	40 kHz
Optimum PIR Working Height (up to)	8 m
Electronic Control Gear	OSRAM or PHILIPS
LED Modules	OSRAM or PHILIPS
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2, EN 60929
Operating Temperature	-25 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	IP65
Body Material	ABS
Diffuser Material	Polycarbonate or Polystyrene

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

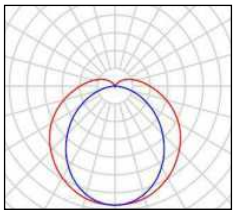
CE | EN* | PZH* | CNBOP*

LED | IP65 | DALI (optional) | EM (optional) | ⏚

Code	Wattage	Available Options	Dimensions** (mm)			Optimum Working Height
			L	W	H	
LE-EN4/1L/4400	25 - 35W	P/S/EM	1270	100	110	2 - 5 m
LE-EN4/1L/8000	45 - 65W	P/S/EM	1270	100	110	2 - 5 m
LE-EN5/1L/5500	25 - 35W	P/S/EM	1570	100	110	2 - 5 m
LE-EN5/1L/10000	45 - 65W	P/S/EM	1570	100	110	2 - 5 m



Code	Wattage	Available Options	Dimensions** (mm)			Optimum Working Height
			L	W	H	
PD-EN4/1L/4400	25 - 35W	P/S/EM	1220	105	90	2 - 5 m
PD-EN4/1L/8000	45 - 65W	P/S/EM	1220	105	90	2 - 5 m
PD-EN5/1L/5500	25 - 35W	P/S/EM	1520	105	90	2 - 5 m
PD-EN5/1L/10000	45 - 65W	P/S/EM	1520	105	90	2 - 5 m



* in preparation
** dimensions of enclosed unit without sensor

Additional options	Code
PIR Sensor	P
PIR and Light Sensor	S
Emergency Pack	EM

There is a possibility to order ready-to-use luminaries desired length of cable installed.

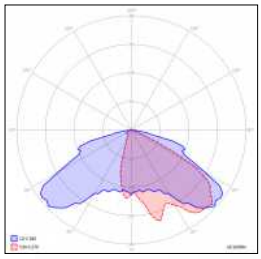
LED STREET LIGHTS

Innovative LED technology from embedded into our street lights and coupled with an awareness for both costs and the environment sums up streetlights from ECOLIGHT. State of the art LED technology from OSRAM meets outstanding photometric for fully compliant and highly efficient illumination of main roads, residential streets and side streets.

- Housing made of powder-coated stainless steel sheet color: grey, RAL 9016L
- Special colors and coatings on request

- State of the art LED technology from OSRAM with outstanding photometric
- High quality of light, low glare, no scattered light

- Best LED driver technology from OSRAM
- Up to 100,000 hours lifetime
- Control by sensors or light management as an option



LUMA

LED

THE ENERGY-EFFICIENT LED STREET LIGHT

Models: ST-4M/6000, ST-2M/3000

Product Benefits

- 3 CCTs: 3000K, 4000K and 5000K (all CRI 70)
- Range of light distributions acc. to EN13201
- Dimmable to 20% of nominal output power
- Over-temperature protection
- High efficacy
- High quality of light, low glare, no scattered light
- Very long lifetime: 100.000 h with L80B10 (at Tc = 68 oC)

Application

- Public outdoor lighting
- ULOR = 0 applications

GENERAL TECHNICAL SPECIFICATIONS	
Supply Voltage	220 – 240 V_{AC}
Supply Frequency	50/60 Hz
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Lamp color code	730 (warm], 740 [cool], 750 [daylight]
Color Rendering Index	> 70
Temperature protection	Yes
Median useful life L80 B10	> 100.000 hours
Power factor (full load at 230V)	> 0.95
Driver /power unit/	OSRAM OPTOTRONIC®
Ambient temperature range, t_a:	-30 ^{0}C to + 55 ^{0}C
Maximum casing temperature in case of fault:	+120 ^{0}C
Dimmable	3DIM (AstroDIM/StepDIM/DALI)
Housing material	Powder coated stainless steel
IP Rating	IP 66
LED module cover protection	IK 8
Protection class IEC	Safety class I

CE | ENEC* | PZH*

LED | IP66 | IK 8 | DALI | ⏚

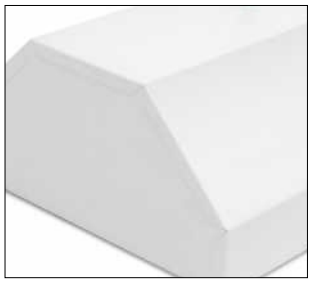
Ref.	LED module type	Wattage of LED modules	LED Luminous Flux per Fitting	Dimensions (mm)		
				L	W	H
ST-2M/3000	OSRAM Streetlight IP	32W	3.000 lm	540	160	70
ST-4M/6000	OSRAM Streetlight IP	63W	6.000 lm	675	160	70

* in preparation

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

HIGH BAY LUMINARIES

ECOLIGHT high bay luminaries are mainly designated for use in production facilities, sport areas and warehouses in heights greater than 4 meters and up to 25 meters. The special highlights of the ECOLIGHT high bays are high quality and energy-efficient light source in conjunction with optimum light control. All ECOLIGHT high bay luminaries has adjustable lamp positions which allows to archive maximum efficiency in high ceiling applications and distribute the light very uniformly even under adverse conditions.



- Housing made of powder-coated 0.8 mm steel sheet color: white, RAL 9016L
- Special colors and coatings on request
- Special housings made from stainless steel available

- Latest T5 fluorescent technology enables optimized and energy efficient lighting
- Better light quality in comparison to high pressure discharge (HID) lamps

- Special Sport Protection Cages are available on special request

- Best ECG/EVG technology from OSRAM or PHILIPS
- Up to 100,000 hours lifetime
- Special ballasts on request

- Advanced lids with a corrosion-resistant aluminum frame (IP65) for LUMINA models

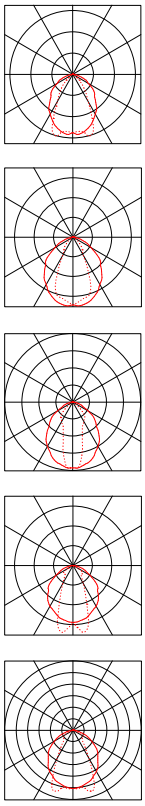
- Five light output options allows to focus the light according requirements
- High reflectivity reflector with high-quality MIRO 4 material which reflects up to 95% of light

- Lids available in PMMA, Polycarbonate or Tempered Glass versions. This allows an optimal adaptation to the environmental conditions

- All models are available with emergency packs

- Control by sensors and light management as an option

- Easy and fast push-in lamp insertion technology sockets provides excellent contact even during high vibrations



One luminaire Five light output options

lumina

T5 TECHNOLOGY

THE ENERGY-EFFICIENT HIGH BAY LUMINAIRE

Models: EL-OP2/4L, EL-OP2/2L, EL-OP4/4L, EL-OP4/2L, EL-OP5/4L, EL-OP5/2L

LUMINA is an energy-efficient high bay commercial luminaire available in big number of modifications.

The highly optically efficient reflector design ensures optimum light distribution from heights greater than 4 meters and up to 25 meters and offers immediate savings of around 50% over traditional lightings. Units fitted with an intelligent sensor can easily extend savings to more than 80%.

LUMINA is primarily able to:

- Significantly reduce electricity consumption.
- Significantly reduce maintenance.
- Improve working conditions with better quality light.
- Give you more control over your lighting.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Operating Frequency	40 kHz
Optimum PIR Working Height (up to)	20 m
Electronic Control Gear	OSRAM or PHILIPS
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2, EN 60929
Operating Temperature Enclosed Type	-25 - +50 ^{0}C
Operating Temperature Open Type	+5 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	
– Open Type	IP20. For dry indoor use only
– Enclosed Type	IP54 or IP65
Lid material	PMMA, Polycarbonate or Tempered Glass
Lid frame material	PVC or Anodized Aluminum
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

PZH*

T5 | IP20 | IP54 | IP65 | DALI (optional) | EM (optional)

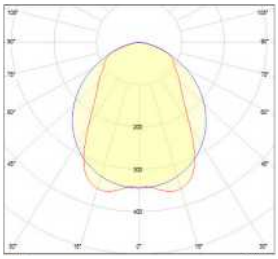
Ref.	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions** (mm)			Optimum Working Height
				L	W	H	
EL-OP4/2L/25	2x25W	EN/P/S/EM/SP/XT	5.800 lm	1210	245	135	4 -10 m
EL-OP5/2L/32	2x32W	EN/P/S/EM/SP/XT	7.300 lm	1510	245	135	4 -10 m
EL-OP5/2L/45	2x45W	EN/P/S/EM/SP/X/XT	9.800 lm	1510	245	135	4 -10 m
EL-OP4/2L/50	2x50W	EN/P/S/EM/SP/X/XT	10.000 lm	1210	245	135	4 -18 m
EL-OP5/2L/73	2x73W	EN/P/S/EM/SP/X/XT	14.000 lm	1510	245	135	4 -18 m
EL-OP4/4L/25	4x25W	EN/P/S/EM/SP/XT	11.600 lm	1210	445	135	4 -18 m
EL-OP5/4L/32	4x32W	EN/P/S/EM/SP/XT	14.600 lm	1510	445	135	4 -18 m
EL-OP5/4L/45	4x45W	EN/P/S/EM/SP/X/XT	19.600 lm	1510	445	135	4 -18 m
EL-OP4/4L/50	4x50W	EN/P/S/EM/SP/X/XT	20.000 lm	1210	445	135	4 -18 m
EL-OP5/4L/73	4x73W	EN/P/S/EM/SP/X/XT	28.000 lm	1510	445	135	4 - 25 m

* in preparation
** dimensions of enclosed unit without sensor

Additional options	Code
Extreme drivers	X
Lid IP54 or IP65	EN
PIR Sensor	P
PIR and Light Sensor	S

Additional options	Code
Emergency Pack	EM
Protective Sport Cage	SP
Enforced version	XT

There is a possibility to order ready-to-use luminaries with reflectors, bulbs and desired length of cable installed.

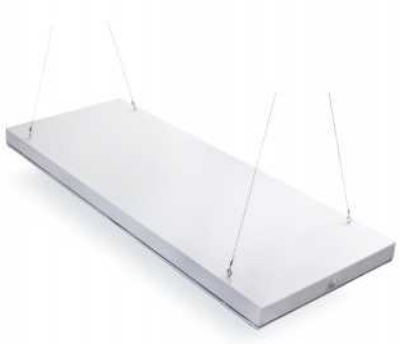


saula

T5 TECHNOLOGY

THE ENERGY-EFFICIENT HIGH BAY LUMINAIRE

Models: ES-OP2/4L, ES-OP2/2L, ES-OP4/4L, ES-OP4/2L, ES-OP5/4L, ES-OP5/2L



SAULA is a low cost and high quality energy-efficient high bay commercial luminaire available in big number of different modifications.

SAULA is designed to be installed from heights greater than 4 meters and up to 8 meters and offers immediate savings of around 50% over traditional lightings. Units fitted with an intelligent sensor can easily extend savings to more than 80%.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Operating Frequency	40 kHz
Optimum PIR Working Height (up to)	8 m
Electronic Control Gear	OSRAM or PHILIPS
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2, EN 60929
Operating Temperature Enclosed Type	-25 - +50 ^{0}C
Operating Temperature Open Type	+5 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	
– Open Type	IP20. For dry indoor use only
– Enclosed Type	IP54 or IP65
Lid material	PMMA, Polycarbonate or Tempered Glass
Lid frame material	PVC or Anodized Aluminum
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

PZH*

T5 | IP20 | IP54 | IP65 | DALI (optional) | EM (optional)

Ref.	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions** (mm)			Optimum Working Height
				L	W	H	
ES-OP2/2L/13	2x13W	EN/P/S/EM/XT/R	2.700 lm	610	245	60	4 - 6 m
ES-OP4/2L/25	2x25W	EN/P/S/EM/SP/XT	5.800 lm	1210	245	60	4 - 6 m
ES-OP5/2L/32	2x32W	EN/P/S/EM/SP/XT	7.300 lm	1510	245	60	4 - 8 m
ES-OP5/2L/45	2x45W	EN/P/S/EM/SP/X/XT	9.800 lm	1510	245	60	4 - 8 m
ES-OP4/2L/50	2x50W	EN/P/S/EM/SP/X/XT	10.000 lm	1210	245	60	4 - 8 m
ES-OP5/2L/73	2x73W	EN/P/S/EM/SP/X/XT	14.000 lm	1510	245	60	4 - 8 m
ES-OP2/4L/13	4x13W	EN/P/S/EM/XT/R	5.400 lm	610	445	60	4 - 6 m
ES-OP4/4L/25	4x25W	EN/P/S/EM/SP/XT	11.600 lm	1210	445	60	4 - 8 m
ES-OP5/4L/32	4x32W	EN/P/S/EM/SP/XT	14.600 lm	1510	445	60	4 - 8 m
ES-OP5/4L/45	4x45W	EN/P/S/EM/SP/X/XT	19.600 lm	1510	445	60	4 - 8 m
ES-OP4/4L/50	4x50W	EN/P/S/EM/SP/X/XT	20.000 lm	1210	445	60	4 - 8 m
ES-OP4/4L/73	4x73W	EN/P/S/EM/SP/X/XT	28.000 lm	1210	445	60	4 - 8 m

* in preparation
** dimensions of enclosed unit without sensor

Additional options	Code	Additional options	Code
Extreme drivers	X	Emergency Pack	EM
Lid IP54 or IP65	EN	Protective Sport Cage	SP
PIR Sensor	P	Enforced version	XT
PIR and Light Sensor	S	Recessed	R

There is a possibility to order ready-to-use luminaries with reflectors, bulbs and desired length of cable installed.

LOW BAY LUMINARIES

ECOLIGHT low bay luminaries are mainly designated for use in open areas from heights greater than 2 meters and up to 4 meters where wide beam angle is required. The special highlights of the ECOLIGHT low bays are low budget, high quality and energy-efficient light source in conjunction with optimum light control.

- Housing made of powder-coated 0.5 mm steel sheet color: white, RAL 9016L
- Plastic corners made from ABS
- Lids available in Opal PMMA IP40

- IP65 models with ABS body and PC or PS diffusors

- Different variants of light sources - T8 or T5 fluorescent lamps

- IP65 models with MIRO 4 reflectors from ALANOD

- Best ECG/EVG technology from OSRAM or PHILIPS
- Up to 100,000 hours lifetime
- Special ballasts on request

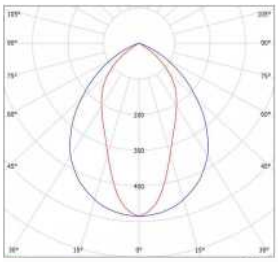
- Clamps are available in plastic or stainless steel

- RON may be performed with parabolic raster

- Control by sensors and light management as an option

- Emergency packs available

- Integrated MICROWAVE detectors specifically designed to be used inside a luminaire



RON

T5 & T8

LOW BAY LUMINAIRE

Models: RN-OP2/2L, RN-OP2/4L, RN-OP4/4L, ES-OP4/2L, ES-OP5/4L, ES-OP5/2L

RON is a low cost and high quality low bay luminaire available in big number of different modifications.

RON is designated for illumination of public buildings (offices, schools, hospitals, vestibules and shops) in heights up to 4 meters high.

RON may be performed with opal PMMA or parabolic raster. A choice of two types of enclosing and different variants of light sources (T8 or T5 fluorescent lamps), allows to choose the optimal beam and obtain the desired light intensity for many different applications.

Luminaire housing made of sheet steel, painted white, suitable for direct mounting on the ceiling or using a hanger.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Operating Frequency	40 kHz
Electronic Control Gear	OSRAM or PHILIPS
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2, EN 60929
Operating Temperature:	-25 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	
– Open Type	IP20. For dry indoor use only
– Enclosed Type	IP40
Fluorescent Lamp Type	T5 or T8
Aluminum Reflector	High purity
Lid IP40	Opal PMMA

PZH*

T5 | IP20 | IP40 | DALI (optional) | EM (optional)

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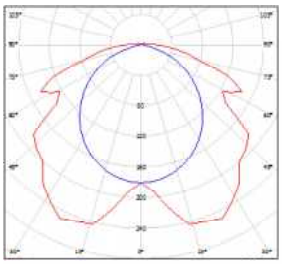
Certification

Ref.	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions (mm)			Optimum Working Height
				L	W	H	
RN-OP2/4L/18	4x18W	RF/EN/EM/S	5.400 lm	635	635	70	2 - 4 m
RN-OP4/2L/36	2x36W	RF/EN/EM/S	6.700 lm	1270	370	70	2 - 4 m
RN-OP5/2L/58	2x58W	RF/EN/EM/S	10.400 lm	1570	370	70	2 - 4 m
RN-OP2/4L/14	4x14W	RF/EN/EM/S	5.400 lm	635	635	70	2 - 4 m
RN-OP4/2L/28	2x28W	RF/EN/EM/S	5.800 lm	1270	370	70	2 - 4 m
RN-OP5/2L/35	2x35W	RF/EN/EM/S	7.300 lm	1570	370	70	2 - 4 m
RN-OP5/2L/49	2x49W	RF/EN/EM/S	9.800 lm	1570	370	70	2 - 4 m
RN-OP4/2L/54	2x54W	RF/EN/EM/S	10.000 lm	1270	370	70	2 - 4 m
RN-OP5/2L/80	2x80W	RF/EN/EM/S	14.000 lm	1570	370	70	2 - 4 m

* in preparation

Additional options	Code
Aluminum Reflector IP20	RF
Lid IP40	EN
Emergency Pack	EM
Microwave sensor	S

There is a possibility to order ready-to-use luminaries with reflectors, bulbs and desired length of cable installed.



eluma

T5 TECHNOLOGY

THE ENERGY-EFFICIENT LOW BAY LUMINAIRE

Models: SE-EN4/2L, SE-EN4/1L, SE-EN5/2L, SE-EN5/1L

ELUMA is a low cost and high efficiency luminaire that integrates fully with the operating environment.

ELUMA units are designed for heights greater than 2 meters up to 5 meters and offers immediate savings of around 40% over traditional lightings. Units fitted with an intelligent sensor can easily extend savings to more than 80%.

TECHNICAL SPECIFICATIONS	
Supply Voltage	220-230V AC
Supply Frequency	50-60 Hz
Operating Frequency	40 kHz
Optimum PIR Working Height (up to)	8 m
Electronic Control Gear	OSRAM or PHILIPS
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2, EN 60929
Operating Temperature	-25 - +50 ^{0}C
Storage Temperature	-40 - +60 ^{0}C
Enclosure Rating	IP65
Fluorescent Lamp Type	T5
Body Material	ABS
Diffuser Material	Polycarbonate or Polystyrene
Reflector	High purity MIRO 4

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

CE | EN* | PZH* | T5 | IP65 | DALI (optional) | EM (optional)

Ref.	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions** (mm)			Optimum Working Height
				L	W	H	
SE-EN4/1L/25	1x25W	P/S	2.900 lm	1270	100	110	2 - 5 m
SE-EN5/1L/32	1x32W	P/S/EM	3.650 lm	1570	100	110	2 - 5 m
SE-EN5/1L/45	1x45W	P/S/EM/X	4.900 lm	1570	100	110	2 - 5 m
SE-EN4/1L/50	1x50W	P/S/X	5.000 lm	1270	100	110	2 - 5 m
ES-EN5/1L/73	1x73W	P/S/EM/X	7.000 lm	1570	100	110	2 - 5 m
SE-EN4/2L/25	2x25W	P/S/EM	5.800 lm	1270	160	110	2 - 5 m
SE-EN5/2L/32	2x32W	P/S/EM	7.300 lm	1570	160	110	2 - 5 m
SE-EN5/2L/45	2x45W	P/S/EM/X	9.800 lm	1570	160	110	2 - 5 m
SE-EN4/2L/50	2x50W	P/S/EM/X	10.000 lm	1270	160	110	2 - 5 m

* in preparation
** dimensions of enclosed unit without sensor

Additional options	Code
Extreme drivers	X
PIR Sensor	P
PIR and Light Sensor	S
Emergency Pack	EM

There is a possibility to order ready-to-use luminaries with reflectors, bulbs and desired length of cable installed.

ACCESSORIES

SENSORS

REF: EBDHS & EBDHS-LT30

CEILING PIR HS PRESENCE DETECTOR

The EBDHS PIR (passive infrared) presence detector provides automatic control of lighting loads with optional manual control. The EBDHS is a high sensitivity PIR detector suitable for high bay applications, such as warehouses and factories, and where high detection sensitivity is needed. Provides dimmable control of 1-10V and DALI ballasts.

The EBDHS-LT30 range of high sensitivity detectors is perfect for this application with its operating temperature of -30°C and detection range of up to 40m.

REF: EBMPIR-MB & EBMPIR-MB-LT30

BATTEN MOUNT PRESENCE DETECTORS

The EBMPIR-MB series of batten mount PIR presence detectors provide automatic control of lighting loads. It has been specifically designed for mounting onto a batten style luminaire.

The direct dim variant controls DALI or DSI digital dimming ballasts, whilst the analogue dim variant controls 1–10V dimming ballasts.

The EBMPIR-MB-LT30 range is perfect to use in car parking or low bay freezer room application where the temperature is aggressively cold to -30°C.

REF: EBDHS-MB

BATTEN MOUNT HS PRESENCE DETECTORS

The EBDHS-MB luminaire mount high bay PIR presence detector range provides exceptionally sensitive and long range detection. The detectors are ideal for high bay lighting control in areas with demanding spaces and increased mounting heights such as warehouses and factories, and are simple to retrofit to commercial luminaries and basic battens.

Three models are available: premium (PRM), direct dim (DD), and analogue dim (AD) all of which will switch incandescent, fluorescent, compact fluorescent and LED lighting. The direct dim variant controls DALI or DSI digital dimming ballasts whilst the analogue dim variant controls 1-10V dimming ballasts.

SENSORS

REF: MWSINT

MINIATURE MICROWAVE PRESENCE DETECTORS

The MWSINT series of miniature microwave presence detectors provide automatic control of lighting loads with optional manual control. As microwave radiation penetrates plastic and glass, this unit has been specifically designed to be used inside a luminaire.

Three models are available: premium, direct dim, and analogue dim all of which will switch incandescent, fluorescent, compact fluorescent and LED lighting. The direct dim variant controls DALI or DSI digital dimming ballasts whilst the analogue dim variant controls 1-10V dimming ballasts.

The unit detects movement using a microwave sensor and turns the load on. When an area is no longer occupied the load will switch off after an adjustable time out period.

PROGRAMMERS

REF: UNLCDHS

The UNLCDHS is a compact infrared handset used for the operation, configuration and programming of CP products that have the ability to be programmed via IR and/or RF.

REF: UHS5

The UHS5 is a compact infrared handset used for the basic programming of IR enabled CP products.

SPORT PROTECTIVE CAGE

REF: SP

Cage Protector is designed to provide safety and convenience for LUMINA, LUMINA LED, SAULA and SAULA LED fixtures using fluorescent bulbs in sport halls and stadiums. Cage Protector is made from firm steel sheet that can withstand big impact hazards, whether it be a bouncing ball or other item. It is easy to install without removing the light fixture. Cage Protector provides safety, long lasting service and convenience.

SUSPENSION SETS & ITEMS

Ref.	Description	Picture
HF12FR	HF CLASSIC LOOP END FIXING NO.1 (0-10 KG) 2M GRIPPLE	
HF12ECSEXP	HF EXPRESS SNAP-ON MINI HOOK END FIXING NO.1 (0-15 KG) 2M GRIPPLE	
HF12ECS	HF CLASSIC SMALL SNAP-ON HOOK END FIXING NO.1 (0-10 KG) 2M GRIPPLE	
HF12EF6	HF CLASSIC STUD M6 END FIXING NO.1 (0-10 KG) 2M GRIPPLE	
HF22EF8	HF CLASSIC STUD M8 END FIXING NO.2 (10-45 KG) 2M GRIPPLE	
HF12EO90	HF CLASSIC 90° EYELET END FIXING NO.1 (0-10 KG) 2M GRIPPLE	
HF12SP	HF CLASSIC TOGGLE END FIXING NO.1 (0-10 KG) 2M GRIPPLE	
SQCM612EC	SQUEEZE LOCK CENTRAL EXIT M6 MALE NO.1 (0-15 KG) 2M HOOK END FIXING GRIPPLE	
YF12EC500	Y-FIT CLASSIC SNAP-ON HOOK NO.1 (0-10 KG) 2M - LEG LENGTH 500MM GRIPPLE	
YF12EC300	Y-FIT CLASSIC SNAP-ON HOOK NO.1 (0-10 KG) 2M - LEG LENGTH 300MM GRIPPLE	
YF12ECS300	Y-FIT CLASSIC MINI SNAP-ON HOOK NO.1 (0-10 KG) 2M - LEG LENGTH 300MM GRIPPLE	

Ref.	Description	Picture
YF12ECS500	Y-FIT CLASSIC MINI SNAP-ON HOOK NO.1 (0-10 KG) 2M - LEG LENGTH 500MM GRIPPLE	
99008405	Eye bolts M5	
99008406	Eye bolts M8	
99008407	Carabiner hook M6	
99008410	3 x 1.5 mm² solid wire	
99008411	3 x 2.5 mm² solid wire	
99008412	3 x 1.5 mm² soft wire	
99008413	3 x 2.5 mm² soft wire	
99008514	5 x 1.5 mm² solid wire	
99008515	5 x 2.5 mm² solid wire	
99008516	5 x 1.5 mm² soft wire	
99008517	5 x 2.5 mm² soft wire	
99008412	FENOSOL® S 10 UVA Anti-Static cleaning agent with a very weakly abrasive effect, for white profile surfaces. Controls the attraction of dirt and dust. Qty: 1000 ml	

CERTIFICATES

ISO 9001:2008

BUREAU VERITAS CERTIFICATION

ECOLIGHT as a professional lighting manufacturer, provider of lighting installation, maintenance, testing and commissioning services is committed to developing and maintaining a Quality Management System in accordance with the requirements of ISO 9001:2008.

ENEC MARK*

INDEPENDENT LABORATORY

ENEC is the high quality European Mark for electrical products that demonstrates compliance with European standards (EN).

ENEC means safety in Europe, and all signatories of the ENEC Mark Scheme actively support its commitment to the highest safety levels.

* in preparation.

ISO 14001:2004

BUREAU VERITAS CERTIFICATION

As a manufacturer of energy efficient lighting ECOLIGHT understands great importance of protecting the environment in which we live. ECOLIGHT has implemented an environmental care system with the objective of company's activity in compliance with the environmental legislation.

DIN 18032-3 AND EN 13964

UNIVERSITY OF STUTTGART

LUMINA and SAULA models have passed testing of the ball throwing safety of an installation element according to DIN 18032-3:1997-04 "Sport halls; Halls for gymnastics, games and multi-purpose use; as well as the impact resistance of a ceiling element" according to EN 13 964 Annex D. This Certification means that LUMINA and SAULA units are safe to use in Sport Halls without any additional protection cage.

OHSAS 18001:2007

BUREAU VERITAS CERTIFICATION

Being social enterprise and employing people with disabilities ECOLIGHT recognizes the importance of managing occupational health, safety and welfare throughout all our operations and activities and we regard it as integral to our overall business strategy.

POLAND PZH CERTIFICATE*

NATIONAL HYGIENE INSTITUTE (POLAND)

The National Hygiene Institute (PZH) certificate of approval for sale and usage of ECOLIGHT luminaries.

* in preparation.

CE MARK

ECOLIGHT & EGSC

All ECOLIGHT luminaries complies with the requirements of the Low Voltage Directive 2006/95/EB and EN 60598-1 Also with the requirements of the European Electromagnetic Compatibility (EMC) Directive 2004/108/EB: EN55015 for radio disturbance, EN61547 for EMC immunity and EN6100-3-2, EN6100-6-1:2007, EN6100-6-3:2007 for harmonics.

CNBOP Certificate of Admittance*

THE NATIONAL AND RESEARCH CENTRE FOR FIRE PROTECTION

Certificates of Admittance issued by The National and Research Centre for Fire Protection issues is only required on territory of Poland according to Act issued 24.08.1991 regarding fire protection (O.J. 2009 no. 178, pos. 1380), together with executive acts.

* in preparation.

ABOUT ECOLIGHT FACTORY

The ECOLIGHT lighting factory located in Lithuania is a professional lighting manufacturer since 2009. ECOLIGHT is a social enterprise company and employs people with disabilities. The company employs 35 people.

The Major focus of the company is the production of energy saving lightings. Factory produces intelligent low, middle and high bay lighting for sport and industrial applications. All products made by ECOLIGHT are designed to use in indoor industrial applications from 2 to 25 meters high. About 70% of all factory production is being exported.

ECOLIGHT is an ISO 9001, ISO 14001 and OHSAS 18001 certified company.

OUR MISSION AND PHILOSOPHY STATEMENT

We are to make high quality industrial lighting. We believe in simple and reliable solutions. We believe that our products should pay for themselves being more economic and environmentally friendly. We believe in deep collaboration of whole company stuff members in every level which allow us to behave in a way that others can not. We don't settle for anything less than the best possible work we can do, and we have the self-honesty to admit when we're wrong and the courage to change. We take social responsibility to employ people with disabilities and help them to become a part of a high standard company.

Mokslas • Ekonomika • Sanglauda
Europos sąjunga
Europos socialinis fondas
Kuriame Lietuvos ateitį

Ecolight™
Save simple.

ELEKTROS TAUPYMO SPRENDIMAI, UAB
P. Luksio str. 1, Vilnius 08221, Lithuania
E: info@ecolight.lt T: +370 5 2328207 F: +370 5 2784262
W: www.ecolight.lt, www.ecolight-lights.co.uk