



PRODUCT CATALOGUE

Fluorescent and LED lighting for sport and industrial applications

May, 2014



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HIGH BAY LUMINARIES

ECOLIGHT high bay luminaires are mainly designated for use in production, 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 luminaires 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



- 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



- Special housings made from stainless steel available
- The luminaire housing is fully balanced and prepared for fast installation - only two fastening points are used



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



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



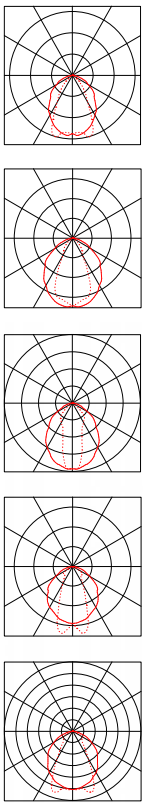
- All models are available with emergency packs



- 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

eluma

T5 TECHNOLOGY



THE ENERGY-EFFICIENT HIGH BAY LUMINAIRE

Models: ME-OP4/4L, ME-OP5/4L



ELUMA is a unique lighting luminaire that integrates fully with the operating environment.

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%.

ELUMA 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	15 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	
- Non Dimming Type	-25 - +50 °C
- Dimming Type	0 - +50 °C
Operating Temperature Open Type	
- Non Dimming Type	+5 - +50 °C
- Dimming Type	+10 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	
- Open Type	IP20. For dry indoor use only
- Enclosed Type	IP54 or IP65 (no sensor)
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4



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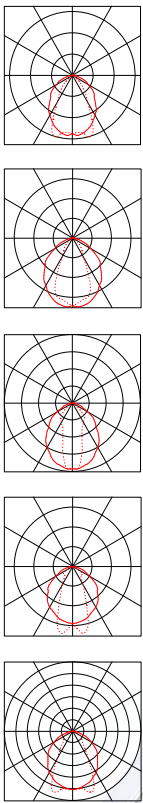
Code	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions (mm)			Optimum Working Height
				L	W	H	
ME-OP2/2L/13	2x13W	EN/P/S/EM/SP	2.700 lm	610	245	135	4 - 8 m
ME-OP4/2L/25	2x25W	EN/P/S/EM/SP	5.800 lm	1210	245	135	4 - 10 m
ME-OP5/2L/32	2x32W	EN/P/S/EM/SP	7.300 lm	1510	245	135	4 - 10 m
ME-OP5/2L/45	2x45W	EN/P/S/EM/SP	9.800 lm	1510	245	135	4 - 10 m
ME-OP4/2L/50	2x50W	EN/P/S/EM/SP	10.000 lm	1210	245	135	4 - 18 m
ME-OP5/2L/73	2x73W	EN/P/S/EM/SP	14.000 lm	1510	245	135	4 - 18 m
ME-OP2/4L/13	4x13W	EN/P/S/EM/SP	5.400 lm	610	445	135	4 - 8 m
ME-OP4/4L/25	4x25W	EN/P/S/EM/SP	11.600 lm	1210	445	135	4 - 18 m
ME-OP5/4L/32	4x32W	EN/P/S/EM/SP	14.600 lm	1510	445	135	4 - 18 m
ME-OP5/4L/45	4x45W	EN/P/S/EM/SP	19.600 lm	1510	445	135	4 - 18 m
ME-OP4/4L/50	4x50W	EN/P/S/EM/SP	20.000 lm	1210	445	135	4 - 18 m
ME-OP5/4L/73	4x73W	EN/P/S/EM/SP	28.000 lm	1510	445	135	4 - 25 m

* dimensions of enclosed unit with sensor

Additional options	Code
Door Assemblies IP54 or IP65	EN
PIR Sensor	P
PIR and Light Sensor	S
Emergency Pack	EM
Protective Sport Cage	SP

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





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	
- Non Dimming Type	-25 - +50 °C
- Dimming Type	0 - +50 °C
Operating Temperature Open Type	
- Non Dimming Type	+5 - +50 °C
- Dimming Type	+10 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	
- Open Type	IP20. For dry indoor use only
- Enclosed Type	IP54 or IP65 (no sensor)
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4



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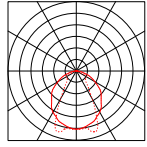
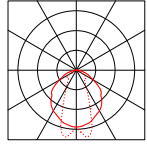
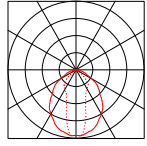
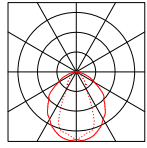
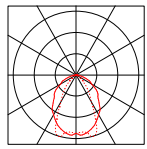
Code	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions** (mm)			Optimum Working Height
				L	W	H	
EL-OP2/2L/13	2x13W	EN/P/S/EM/SP	2.700 lm	610	245	135	4 - 8 m
EL-OP4/2L/25	2x25W	EN/P/S/EM/SP	5.800 lm	1210	245	135	4 -10 m
EL-OP5/2L/32	2x32W	EN/P/S/EM/SP	7.300 lm	1510	245	135	4 -10 m
EL-OP5/2L/45	2x45W	EN/P/S/EM/SP	9.800 lm	1510	245	135	4 -10 m
EL-OP4/2L/50	2x50W	EN/P/S/EM/SP	10.000 lm	1210	245	135	4 -18 m
EL-OP5/2L/73	2x73W	EN/P/S/EM/SP	14.000 lm	1510	245	135	4 -18 m
EL-OP2/4L/13	4x13W	EN/P/S/EM/SP	5.400 lm	610	445	135	4 - 8 m
EL-OP4/4L/25	4x25W	EN/P/S/EM/SP	11.600 lm	1210	445	135	4 -18 m
EL-OP5/4L/32	4x32W	EN/P/S/EM/SP	14.600 lm	1510	445	135	4 -18 m
EL-OP5/4L/45	4x45W	EN/P/S/EM/SP	19.600 lm	1510	445	135	4 -18 m
EL-OP4/4L/50	4x50W	EN/P/S/EM/SP	20.000 lm	1210	445	135	4 -18 m
EL-OP5/4L/73	4x73W	EN/P/S/EM/SP	28.000 lm	1510	445	135	4 - 25 m

* dimensions of enclosed unit without sensor

Additional options	Code
Door Assemblies IP54 or IP65	EN
PIR Sensor	P
PIR and Light Sensor	S
Emergency Pack	EM
Protective Sport Cage	SP



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



One luminaire Five light output options

lumina XT

T5 TECHNOLOGY



THE ENERGY-EFFICIENT HIGH BAY LUMINAIRE

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



LUMINA XT is a modified version of LUMINA luminary. This low cost, high quality and energy-efficient high bay commercial luminaire available in big number of modifications including special housings made from stainless steel.

LUMINA XT is suitable for aggressive environment applications as it has no any plastic parts on its exterior. Lids available in PMMA or Tempered Glass versions. This allows an optimal adaptation to the environmental conditions.

Best for installations between 4 and 15 height. 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)	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	
- Non Dimming Type	-25 - +50 °C
- Dimming Type	0 - +50 °C
Operating Temperature Open Type	
- Non Dimming Type	+5 - +50 °C
- Dimming Type	+10 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	
- Open Type	IP20. For dry indoor use only
- Enclosed Type	IP54 (with sensor) or IP65 (no sensor)
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4



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Code	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions** (mm)			Optimum Working Height
				L	W	H	
LX-OP2/2L/13	2x13W	EN/P/S/EM/SP	2.700 lm	610	245	135	4 - 5 m
LX-OP4/2L/25	2x25W	EN/P/S/EM/SP	5.800 lm	1210	245	135	4 - 5 m
LX-OP5/2L/32	2x32W	EN/P/S/EM/SP	7.300 lm	1510	245	135	4 - 10 m
LX-OP5/2L/45	2x45W	EN/P/S/EM/SP	9.800 lm	1510	245	135	4 - 10 m
LX-OP4/2L/50	2x50W	EN/P/S/EM/SP	10.000 lm	1210	245	135	4 - 15 m
LX-OP4/2L/73	2x73W	EN/P/S/EM/SP	14.000 lm	1510	245	135	4 - 15 m
LX-OP2/4L/13	4x13W	EN/P/S/EM/SP	5.400 lm	610	445	135	4 - 5 m
LX-OP4/4L/25	4x25W	EN/P/S/EM/SP	11.600 lm	1210	445	135	4 - 15 m
LX-OP5/4L/32	4x32W	EN/P/S/EM/SP	14.600 lm	1510	445	135	4 - 15 m
LX-OP5/4L/45	4x45W	EN/P/S/EM/SP	19.600 lm	1510	445	135	4 - 15 m
LX-OP4/4L/50	4x50W	EN/P/S/EM/SP	20.000 lm	1210	445	135	4 - 15 m
LX-OP4/4L/73	4x73W	EN/P/S/EM/SP	28.000 lm	1510	445	135	4 - 15 m

* dimensions of enclosed unit without sensor

Additional options	Code
Door Assembly IP65	EN
PIR Sensor	P
PIR and Light Sensor	S
Emergency Pack	EM
Protective Sport Cage	SP

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



MIDDLE BAY LUMINARIES

ECOLIGHT middle bay luminaries are mainly designated for use in open areas from heights greater than 4 meters and up to 15 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 0.8 mm steel sheet color: white, RAL 9016L
- Special colors and coatings on request



- Latest T5 fluorescent technology enables optimized and energy efficient lighting
- High reflectivity reflector with high-quality MIRO 4 material which reflects up to 95% of light



- Special Sport Protection Cages are available on special request.



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



- Easy 4 points fastening



- Recessed models available



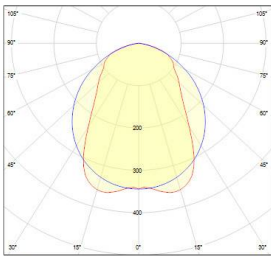
- Emergency packs available



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



- Control by sensors and light management as an option

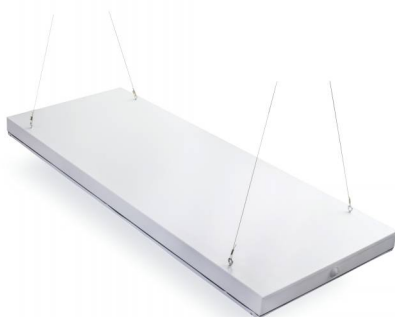


saula
T5 TECHNOLOGY



THE ENERGY-EFFICIENT MIDDLE 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 middle 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%.

SAULA 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)	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	
- Non Dimming Type	-25 - +50 °C
- Dimming Type	0 - +50 °C
Operating Temperature Open Type	
- Non Dimming Type	+5 - +50 °C
- Dimming Type	+10 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	
- Open Type	IP20. For dry indoor use only
- Enclosed Type	IP54 or IP65
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4



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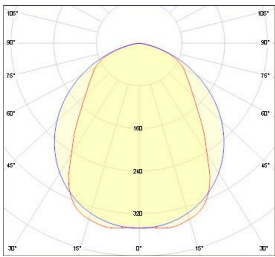
Code	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions* (mm)			Optimum Working Height
				L	W	H	
ES-OP2/2L/13	2x13W	EN/P/S	2.700 lm	610	245	60	4 - 6 m
ES-OP4/2L/25	2x25W	EN/P/S/EM/SP	5.800 lm	1210	245	60	4 - 6 m
ES-OP5/2L/32	2x32W	EN/P/S/EM/SP	7.300 lm	1510	245	60	4 - 8 m
ES-OP5/2L/45	2x45W	EN/P/S/EM/SP	9.800 lm	1510	245	60	4 - 8 m
ES-OP4/2L/50	2x50W	EN/P/S/EM/SP	10.000 lm	1210	245	60	4 - 8 m
ES-OP5/2L/73	2x73W	EN/P/S/EM/SP	14.000 lm	1510	245	60	4 - 8 m
ES-OP2/4L/13	4x13W	EN/P/S/EM	5.400 lm	610	455	60	4 - 6 m
ES-OP4/4L/25	4x25W	EN/P/S/EM/SP	11.600 lm	1210	455	60	4 - 8 m
ES-OP5/4L/32	4x32W	EN/P/S/EM/SP	14.600 lm	1510	455	60	4 - 8 m
ES-OP5/4L/45	4x45W	EN/P/S/EM/SP	19.600 lm	1510	455	60	4 - 8 m
ES-OP4/4L/50	4x50W	EN/P/S/EM/SP	20.000 lm	1210	455	60	4 - 8 m
ES-OP4/4L/73	4x73W	EN/P/S/EM/SP	28.000 lm	1210	455	60	4 - 8 m

* dimensions of enclosed unit without sensor

Additional options	Code
Door Assemblies IP54 or IP65	EN
PIR Sensor	P
PIR and Light Sensor	S
Emergency Pack	EM
Protective Sport Cage	SP

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





saula XS

T5 TECHNOLOGY



THE ENERGY-EFFICIENT MIDDLE BAY LUMINAIRE

Models: XS-OP4/6L, XS-OP5/6L



SAULA XS is an extended version of SAULA model designed to use in an open areas where higher levels of light are required.

SAULA XS is designed to be installed from heights greater than 8 meters and up to 15 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	
- Non Dimming Type	-25 - +50 °C
- Dimming Type	0 - +50 °C
Operating Temperature Open Type	
- Non Dimming Type	+5 - +50 °C
- Dimming Type	+10 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	
- Open Type	IP20. For dry indoor use only
- Enclosed Type	IP54 or IP65
Fluorescent Lamp Type	T5
Reflector	High purity MIRO 4



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Code	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions* (mm)			Optimum Working Height
				L	W	H	
XS-OP4/6L/25	6x25W	EN/P/S/EM	17.400 lm	1210	675	60	4 - 15 m
XS-OP5/6L/32	6x32W	EN/P/S/EM	21.900 lm	1510	675	60	4 - 15 m
XS-OP5/6L/45	6x45W	EN/P/S/EM	29.400 lm	1510	675	60	8 - 15 m
XS-OP4/6L/50	6x50W	EN/P/S/EM	30.000 lm	1210	675	60	8 - 15 m
XS-OP5/6L/73	6x73W	EN/P/S/EM	42.000 lm	1510	675	60	8 - 15 m

* dimensions of enclosed unit without sensor

Additional options	Code
Door Assemblies IP54 or IP65	EN
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.



MIDDLE BAY LED LUMINARIES

ECOLIGHT middle bay LED luminaries are mainly designated for use in open areas from heights greater than 4 meters and up to 15 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 0.8 mm steel sheet color: white, RAL 9016L
- Special colors and coatings on request



- Latest LED technology from OSRAM and PHILIPS
- Efficacy: up to 130 lm/W
- Standard LED modules which are easy to replace



- 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



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



- Recessed models available



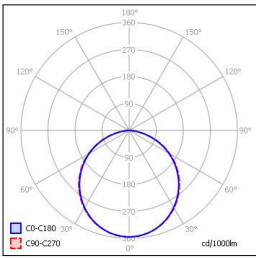
- Easy 4 point fastening



- Emergency packs available



- Control by sensors and light management as an option



THE ENERGY-EFFICIENT MIDDLE BAY LED LUMINAIRE

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



SAULA LED is a high quality middle bay commercial luminaire.

SAULA LED is designed to be installed in heights from 2 meters and up to 15 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.

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 °C
- Dimming Type	-10 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	IP65
Lamp Type	LED
LED Lifespan	50.000 hours
Lid material	PMMA (transparent or opal)



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OHSAS 18001
BUREAU VERITAS
Certification



Code	Available Options	LED module type	Qty of modules	Rated wattage of LED modules	LED Luminous Flux per Fitting	Dimensions* (mm)			Optimum Working Height
						L	W	H	
LP-EN2/4A/1250	S/EM/R	PHILIPS	4	35W	5.000 lm	595	595	60	2 - 3 m
LP-EN4/4A/1250	S/EM/R	PHILIPS	4	35W	5.000 lm	1195	295	60	2 - 3 m
LP-EN4/2A/4500	S/EM/R	OSRAM	8	106W	9.000 lm	1195	595	60	2 - 5 m
SL-EN2/2L/1300	S/EM	OSRAM / PHILIPS	2	20W	2.600 lm	610	445	60	2 - 3 m
SL-EN2/2L/2200	S/EM	OSRAM / PHILIPS	2	33W	4.400 lm	610	445	60	2 - 3 m
LN-EN4/2L/2600	S/EM/SP	OSRAM / PHILIPS	4	40W	5.200 lm	1210	255	60	2 - 5 m
LN-EN4/2L/4400	S/EM/SP	OSRAM / PHILIPS	4	67W	8.800 lm	1210	255	60	2 - 5 m
LN-EN4/2L/8000	S/EM/SP	OSRAM / PHILIPS	4	128W	16.000 lm	1210	255	60	4 - 10 m
LN-EN4/4L/2600	S/EM/SP	OSRAM / PHILIPS	8	80W	10.400 lm	1210	445	60	4 - 10 m
LN-EN4/4L/4400	S/EM/SP	OSRAM / PHILIPS	8	134W	17.600 lm	1210	445	60	4 - 10 m
LN-EN4/4L/8000	S/EM/SP	OSRAM / PHILIPS	8	255W	32.000 lm	1210	445	60	4 - 15 m

* dimensions without sensor

Additional options	Code
PIR and Light Sensor	S
Emergency Pack	EM
Recessed	R
Protective Sport Cage	SP

There is a possibility to order ready-to-use luminaires 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 IP44



- 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
- Control by sensors or light management as an option
- Special ballasts on request



- Clamps are available in plastic or stainless steel



- RON may be performed with opal parabolic raster



- Control by sensors and light management as an option



- Emergency packs available

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:	+5 - +50 °C
Storage Temperature	-40 - +60 °C
Enclosure Rating	
- Open Type	IP20. For dry indoor use only
- Enclosed Type	IP40
Fluorescent Lamp Type	T5 or T8
Aluminum Reflector	High purity
Door Assembly	Opal PMMA



ISO 9001
ISO 14001
OHSAS 18001
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Certification

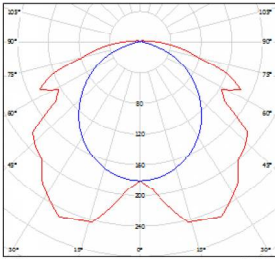


Code	Recommended Lamps	Available Options	Luminous Flux of Lamps per Fitting	Dimensions (mm)			Optimum Working Height
				L	W	H	
RN-OP2/2L/18	2x18W	EN	2.700 lm	660	330	75	2 - 4 m
RN-OP2/4L/18	4x18W	RF/EN/EM	5.400 lm	660	660	75	2 - 4 m
RN-OP4/2L/36	2x36W	RF/EN/EM	6.700 lm	1280	330	75	2 - 4 m
RN-OP5/2L/58	2x58W	RF/EN/EM	10.400 lm	1580	330	75	2 - 4 m
RN-OP2/2L/14	2x14W	EN	2.700 lm	660	330	75	2 - 4 m
RN-OP2/4L/14	4x14W	RF/EN/EM	5.400 lm	660	660	75	2 - 4 m
RN-OP4/2L/28	2x28W	RF/EN/EM	5.800 lm	1280	330	75	2 - 4 m
RN-OP5/2L/35	2x35W	RF/EN/EM	7.300 lm	1580	330	75	2 - 4 m
RN-OP5/2L/49	2x49W	RF/EN/EM	9.800 lm	1580	330	75	2 - 4 m
RN-OP4/2L/54	2x54W	RF/EN/EM	10.000 lm	1280	330	75	2 - 4 m
RN-OP5/2L/80	2x80W	RF/EN/EM	14.000 lm	1580	330	75	2 - 4 m

Additional options	Code
Aluminum Reflector IP20	RF
Door Assembly IP40	EN
Emergency Pack	EM

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





low bay

T5 TECHNOLOGY



THE ENERGY-EFFICIENT LOW BAY LUMINAIRE

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

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

Low level 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	
- Non Dimming Type	-25 - +50 °C
- Dimming Type	0 - +50 °C
Storage Temperature	-40 - +60 °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



Code	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	85	95	2 - 5 m
SE-EN5/1L/32	1x32W	P/S/EM	3.650 lm	1565	85	95	2 - 5 m
SE-EN5/1L/45	1x45W	P/S/EM	4.900 lm	1565	85	95	2 - 5 m
SE-EN4/1L/50	1x50W	P/S	5.000 lm	1270	85	95	2 - 5 m
ES-EN5/1L/73	1x73W	P/S/EM	7.000 lm	1565	85	95	2 - 5 m
SE-EN4/2L/25	2x25W	P/S/EM	5.800 lm	1270	131	95	2 - 5 m
SE-EN5/2L/32	2x32W	P/S/EM	7.300 lm	1565	131	95	2 - 5 m
SE-EN5/2L/45	2x45W	P/S/EM	9.800 lm	1565	131	95	2 - 5 m
SE-EN4/2L/50	2x50W	P/S/EM	10.000 lm	1270	131	95	2 - 5 m

* dimensions 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 luminaires with reflectors, bulbs and desired length of cable installed.



ACCESSORIES

SENSORS

CODE: EBDHS

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.



CODE: EBMPIR

BATTEN MOUNT PIR DETECTORS

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.



PROGRAMMERS

CODE: 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.



CODE: UHS5

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



SPORT PROTECTIVE CAGE

CODE: SP

Cage Protector is designed to provide safety and convenience for ELUMA, LUMINA, LUMINA XT, 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.



MOST POPULAR WAYS OF SUSPENSION

Mounting with 1-point wire suspension



Mounting with 1-point chain suspension








Mounting with 2-point Y-wire suspension



Mounting with 2-point Y-chain suspension



SUSPENSION SETS & ITEMS

Product code	Description	
99008401	Mounting with 1-point wire suspension kit Length: max. 2000 mm Qty: 2 sets	
99008402	Mounting with 1-point chain suspension kit Length: max. 2000 mm Qty: 2 sets	
99008403	Mounting with 2-point Y-wire suspension Length: max. 2000 mm Qty: 2 sets	
99008404	Mounting with 2-point Y-chain suspension Length: max. 2000 mm Qty: 2 sets	
99008405	Eye bolts M5	

Product code	Description	
99008406	Eye bolts M8	
Product code	Description	
99008407	Carabiner hook M6	
Product code	Description	
99008410	3 x 1.5 mm ² solid wire	
Product code	Description	
99008411	5 x 1.5 mm ² solid wire	
Product code	Description	
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.

Our quality objectives are to design and furnish high quality products, on time, and at the lowest cost. The attainment of such objectives will lead to, customer satisfaction, enhanced copper performance at the application level, and ongoing improvements in process efficiency. Once an objective is achieved, it should be recognized and reset to stimulate further quality improvement. To reach our objectives, we will have to maintain a constant focus on quality with full dedication, commitment, and teamwork.



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. On other hand ECOLIGHT products themselves do contribute to environmental care as well as our lightings are saving our customers thousands of kilowatts of electricity what helps reduce their carbon (CO2) emissions and become more resource efficient.



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.



DIN 18032-3 AND EN 13964

MATERIALS TESTING INSTITUTE 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.



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.



PRODUCT CODE KEYS

HIGH BAY LUMINARIES

ELUMA, LUMINA

Type (model):

XX-XXY/X/YY/XX/YY/XX

- Power of lamp, W: 25, 28, 32, 35, 45, 49, 50, 54, 73, 80;
- Number of lamps: 2L, 4L;
- EM: Emergency Pack
- SP: Protective Sport Cage;
- Sensor: P - motion (PIR function), S - light, motion;
- Luminaire length in feet: 4, 5;
- Luminaire type: OP - open type (IP20), EN - closed (IP54 or IP65);
- Luminaire model:
 - ME - high bay luminaire ELUMA;
 - EL - high bay luminaire LUMINA;
 - LX - high bay luminaire LUMINA XT.

MIDDLE BAY LUMINARIES

SAULA, SAULA XS, SAULA LED

Type (model):

XX-XXY/X/YY/XX/Y/XX/YY

- Power of lamp, W: 13, 14, 25, 28, 32, 35, 45, 49, 50, 54, 73, 80;
- Number of lamps: 2L, 4L, 6L;
- R: recessed
- EM: Emergency Pack
- SP: Protective Sport Cage;
- Sensor: P - motion (PIR function), S - light, motion;
- Luminaire length in feet: 4, 5;
- Luminaire type: OP - open type (IP20), EN - closed (IP54 or IP65);
- Luminaire model:
 - ES - middle bay luminaire SAULA;
 - XS - middle bay luminaire SAULA XS;
 - LP - LED luminaire SAULA LED with Area LED Modules;
 - SL - LED luminaire SAULA LED with Linear LED Modules in non standard body;
 - LN - LED luminaire SAULA LED with Linera LED Modules in standard bodies.

LOW BAY LUMINARIES

RON

Type (model):

XX-XXY/XX/YY/XX/YY

- Power of lamp, W: 13, 14, 18, 25, 28, 32, 35, 36, 45, 49, 50, 54, 58, 73, 80;
- Number of lamps: 2L, 4L;
- EM: Emergency Pack
- RF: Reflector
- Luminaire length in feet: 4, 5;
- Luminaire type: OP - open type (IP20), EN - closed (IP44);
- Luminaire model:
 - RN - low bay luminaire RON.

LOW BAY LUMINARIES

ELUMA

Type (model):

XX-XXY/X/YY/XX/YY

- Power of lamp, W: 25, 28, 32, 35, 45, 49, 50, 54, 73, 80;
- Number of lamps: 1L, 2L;
- EM: Emergency Pack
- Sensor: P - motion (PIR function), S - light, motion;
- Luminaire length in feet: 4, 5;
- Luminaire type: EN - closed (IP65);
- Luminaire model:
 - SE - low bay luminaire ELUMA.

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 staff 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.



Ecolight[™]
Save simple.

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