

HELLUX ECO MODUL AMBER

Luminous flux up to 3.500 lumens

Module change in the plug & play process

Interface for time-saving module exchange

Anwendungsbereiche:

- Port facilities
- Container terminals
- Pedestrian crossings
- Locking facilities of inland shipping



HELLUX

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HELLUX ECO MODUL AMBER

MODUL	
Material	PP-T40 and PC + ABS
Dimensions (length x width x height)	460 x 85 x 100 mm
Weight	ca. 1.060 g
IP Protection class	IP 67 / IP 69K
Glas type	PMMA
Impact resistance	IK 08
ILLUMINANT PROPERTIES	
Light source	1 Eco-Modul with 28 LEDs
Optical system	PMMA single optics
Rated luminous flux	2.000 -3.500 lm
Colour temperature	amber
Color rendering index (Ra)	> 60
Dimming (power control)	Optional control phase, dimming profiles, or DALI
Rated life at (ta) 30 ° C	90% after 60,000 hours (according to IES LM 80 & TM 21) 80% after 100,000 hours
Temperaturmanagement	✓
Constant Light Output (CLO)	Optional
ELECTRICAL PROPERTIES	
Rated power	19 – 34,5 W (depending on luminous flux)
Electrical protection class	SK II
Operating voltage	220 – 240 V
Frequence	50 – 60 Hz
Überspannungsfestigkeit	10 KV
INSTALLATION REQUIREMENTS	
Application areas	Port facilities, Container terminals, Pedestrian crossings, Inland waterway locks, etc.
Light point height	M-, F-, U-, I- optic
Admitted ambient temperature (ta)	-40 °C to +55 °C
OTHER PROPERTIES	
Certification	CE

ECO MODUL

Efficient: Luminous flux up to 5.000 lumen

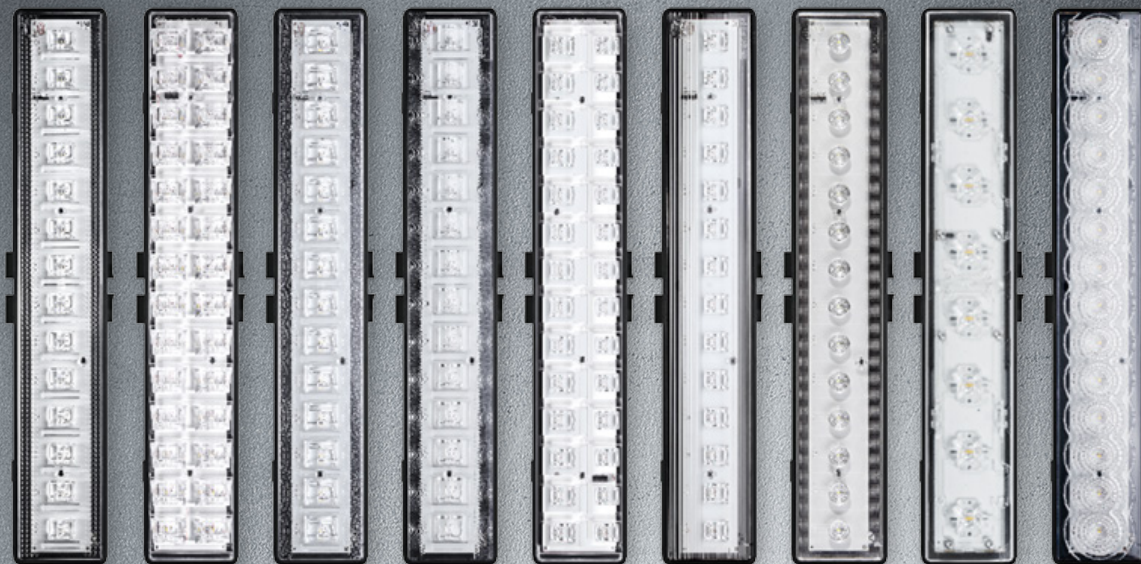
Quick: Interface for time-saving exchange of the module

Safe investment: 20-year availability of replacement parts

Intelligent: Intelligent interface control

Application areas:

- Eco StreetLine series
- Eco CubeLine series
- Eco IndustryLine series



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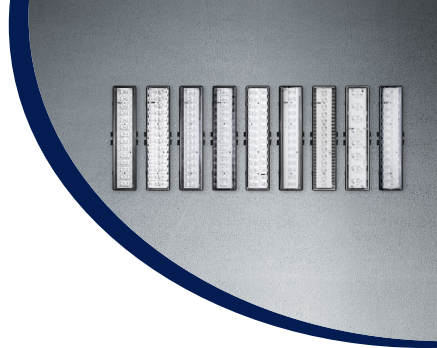
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ECO MODUL



LIGHT HOUSING	
Material	PP-T40 and PC + ABS
Dimensions (length/width/height)	460 x 85 x 100 mm
Weight	app. 1.060 g
IP Protection class	IP 67 / IP 69 K
Glass type	PMMA
Shock resistance	IK 08
ILLUMINANT PROPERTIES	
Light source	1 Eco-Modul with 14 LEDs or 28 LEDs
Optical system	PMM individual optics
Rated luminous flux	800 lm / 1.250 lm / 1.700 lm / 2.500 lm / 3.000 lm / 3.500 lm / 4.000 lm / 4.500 lm / 5.000 lm
Luminous output	bis zu 144 lm/W
Colour temperature	optional 3.000 K, 4.000 K, 5.000 K
Colour rendering index (Ra)	CRI 83 (3.000 K), CRI 73 (4.000 K), CRI 70 (5.000 K)
Dimming (power control)	Optional line switch, dimming profile, 1-10 Volt or DALI
Rated lifetime at (ta) 30°C	90 % after 60.000 hours (IES LM 80 & TM 21) 80 % after 100.000 hours
Temperature management	✓
Constant Light Output (CLO)	✓
ELECTRICAL PROPERTIES	
Rated power	7,5 – 37,5 W (je nach Lichtstrom)
Electrical protection class	SK II
Rated voltage	220 – 240 V
Frequence	50 – 60 Hz
Surge protection	10 KV
INSTALLATION REQUIREMENTS	
Application areas	Eco StreetLine series, Eco CubeLine series, Eco IndustryLine series
Lighting classes	S, M, C, U, F, P, I or G optics, PMMA individual optics
Admitted ambient temperature (ta)	from -40 °C to +55 °C
OTHER PROPERTIES	
Certification	CE