

HELLUX 451-CM

True to detail: Historical luminaire with newest LED technology

Flexible: Thanks to modern lighting solutions the series is suitable for many different tasks

Maintenance friendly: Few or no maintenance work necessary

Application areas:

- Roads in residential areas
- Historical places
- Parks
- Paths



HELLUX

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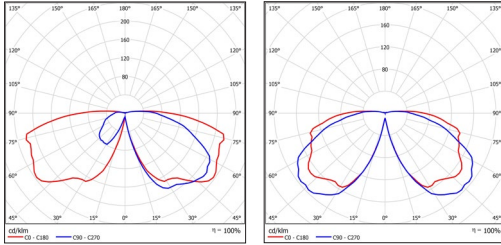
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Example of luminous intensity distribution:



LIGHT HOUSING	
Material	Aluminum and cast aluminum
Colour (powder coating)	RAL or DB
Mounting type	Mast attachment (Ø 76 mm) / antique cast mast
Orientation possibilities	—
Dimensions	450 x 450 x 620 mm
Weight	ca. 10 kg
Exposed wind surface	0,22 m ²
IP Protection class	IP 54
Glas type	PMMA (smooth clear structured opal)
Impact resistance	IK 08
ILLUMINANT PROPERTIES	
Light source	Circle module with high-power LEDs
Optical system	Rectangular symmetrical or rectangular asymmetrical
Rated luminous flux	2.150 lm (2.200 K) / 2.750 lm (2.700 K) 3.000 lm (3.000 K) / 3.250 lm (4.000 K)
Light efficiency	up to 110 lm/W
Colour temperature	amber 2.700 K 3.000 K 4.000 K
Colour rendering index (RA)	CRI > 60 (Ua VYf) / CRI > 70 (3.000 K / 4.000 K) CRI > 80 (2.700 K)
Dimming (Power control)	Optional control phase (50% / 100%), dimming profiles or DALI
Rated lifetime at (ta) 30 °C	90% after 60,000 hours (according to IES LM 80 & TM 21) 80% after 100,000 hours
Thermal management	✓
Constant Light Output (CLO)	optional
ELECTRICAL PROPERTIES	
Rated power	12,2 W - 32,1 W
Electrical protection class	SK II
Operating voltage / Frequency	220 - 240 V / 50 - 60 Hz
Surge protection	10 kV
INSTALLATION REQUIREMENTS	
Application areas	Service streets, historical places, parks / paths
Installation height	3 - 5 m
Lighting classes	S
Permissible ambient temperature (ta)	-25 °C bis +35 °C
OTHER PROPERTIES	
Certification (Modul)	CE