

## HELLUX 452-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

**Lunux Lighting GmbH**  
Zaucheweg 4  
04316 Leipzig

Telefon +49 (0)341 241872 0  
Telefax +49 (0)341 241872 38

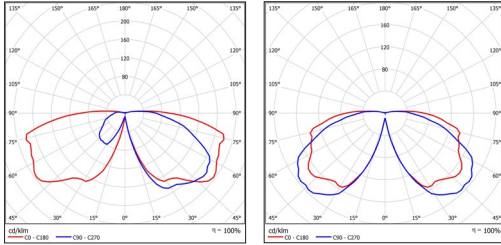
info@lunux-lighting.com  
www.lunux-lighting.com

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# HELLUX 452



## Example of luminous intensity distribution:



LIGHT HOUSING	
Material	Aluminium and aluminium cast
Colour (powder coating)	RAL oder DB
Mounting type	Post top mounting (Ø 76 mm)   Traditional cast post
Orientation possibilities	—
Dimensions	450 x 450 x 710 mm
Weight	app. 10 kg
Exposed wind surface	0,22 m <sup>2</sup>
IP Protection class	IP 54
Glas type	PMMA (transparent   structured   opal)
Impact resistance	IK 08
ILLUMINANT PROPERTIES	
Light source	Circle Modul 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	bis zu 110 lm/W
Colour temperature	amber   2.700 K   3.000 K   4.000 K
Colour rendering index (RA)	CRI > 60 (Ua VVf) / CRI > 70 (3.000 K / 4.000 K) CRI > 80 (2.700 K)
Dimming (Power control)	Optional power line control (50 % / 100 %), dimmprofile 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	yes
Constant Light Output (CLO)	optional
ELECTRICAL PROPERTIES	
Rated power	12,2 W - 32,1 W
Electrical protection class	Class II
Operating voltage / Frequency	220 - 240 V   50 - 60 Hz
Surge protection	10 kV
INSTALLATION REQUIREMENTS	
Application areas	Roads in residential areas, historical places, parks, paths
Installation height	3 - 5 m
Lighting classes	S
Permissible ambient temperature (ta)	-25 °C to +35 °C
OTHER PROPERTIES	
Certification (Modul)	CE