

## HELLUX 451

**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  
Telefax +49 (0)341 241872 38

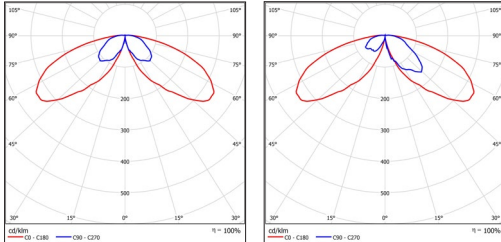
info@lunux-lighting.com  
www.lunux-lighting.com

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# HELLUX 451



## 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 <sup>2</sup>	
IP Protection class	IP 54	
Glas type	PMMA (smooth clear   structured   opal)	
Impact resistance	IK 08	
ILLUMINANT PROPERTIES		
Light source	Gas lights mantle imitation with Mid-Power-LEDs	LED-modules with High-Power-LEDs
Optical system	Rotational symmetric	asymmetric wide beam
Rated luminous flux	1000 - 2.500 lm [250 lm steps]	1,000 lm to 3,500 lm [250 lm steps]
Light efficiency	80 lm/W	up to 135 lm/W
Colour temperature	2.700K	3.000K oder 4.000K
Colour rendering index (RA)	>80	>70
Dimming (Power control)	Optional control phase (50% / 100%), dimming profiles or DALI	
Rated lifetime at (ta) 30 °C	50.000 h by L70	100.000h by L80/B10
Thermal management	✓	
Constant Light Output (CLO)	optional	
ELECTRICAL PROPERTIES		
Rated power	7,6 - 31 W	
Electrical protection class	SK I / SK II	
Operating voltage / Frequence	220 - 240 V / 50 - 60 Hz	
Surge protection	10kV	
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	CE	