

## SHADE

**Economical:** Luminous flux 80 % after 100,000 hours

Modular LED system with integrated electronics

Maintenance-optimized design

Completely preassembled with connection cable and module

**Application areas:**

- Parks
- Public places
- Roads in residential areas
- Pedestrian zones



HELLUX

**Lunux Lighting GmbH**  
Zaucheweg 4  
04316 Leipzig

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

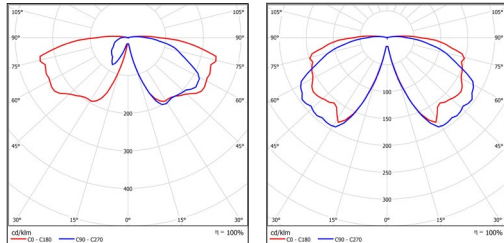
info@lunux-lighting.com  
www.lunux-lighting.com

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# SHADE



### Example of luminous intensity distribution:



### BASIC + / SMART

LIGHT HOUSING	
Material	Light base made of cast aluminum, housing stanchions made of aluminum, shade and end cover made of aluminum painted similar to DB703, cover lens made of PMMA
Colour (powder coating)	DB703
Mounting type	76 mm spigot size
Orientation possibilities	-
Dimensions (Height / Diameter)	650 x 425 mm
Weight	8,5 kg
IP Protection class	IP 65
Glas type	PMMA
ILLUMINANT PROPERTIES	
Light source	Circle module with High-Power-LEDs
Optical system	Rectangular symmetric or rectangular asymmetric
Rated luminous flux	1.950 lm (2.200 K) / 2.750 lm (2.700 K) 3.000 lm (3.000 K) / 3.100 lm (4.000 K)
Light efficiency	up to 101 lm/W
Colour temperature	2.200 K   2.700 K   3.000 K   4.000 K
Colour rendering index (RA)	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 (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- 34,7 W
Electrical protection class	SK II
Operating voltage / Frequence	220 – 240 V   50 – 60 Hz
Surge protection	10 kV
INSTALLATION REQUIREMENTS	
Application areas	Parks, public places, roads in residential areas, pedestrian zones
Installation height	3 - 5 m
Light classes	S   P
Permissible ambient temperature (ta)	-40 °C to +40 °C
OTHER PROPERTIES	
Certification (module)	CE