

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

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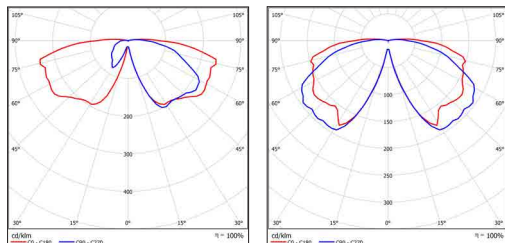
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Example of luminous intensity distribution:



BASIC

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 | 1.500 lm (2.200 K / 2.700 K) 1.750 lm (3.000 K) 2.000 lm (4.000 K) | | 1.000lm - 2.000lm (2.200K) 1.500lm - 2.750lm (3.000K) 1.500lm - 3.000lm (4.000K) |
| Light efficiency | up to 98 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) | Power line control (50 % 100 %) | | 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 | x | | |
| Constant Light Output (CLO) | - | | Optional |
| ELECTRICAL PROPERTIES | | | |
| Rated power | 23 W | | 17,4 - 33 W |
| Electrical protection class | SK II | | |
| Operating voltage / Frequence | 220 - 240 V 50 - 60 Hz | | |
| Surge protection | 4 kV | | 10 kV |
| INSTALLATION REQUIREMENTS | | | |
| Application areas | Parks, public places, roads in residential areas, pedestrian zones | | |
| Installation height | 3 - 5 m | | |
| Light classes | S | | |
| Permissible ambient temperature (ta) | -40 °C to +40 °C | | |
| OTHER PROPERTIES | | | |
| Certification (module) | CE, ENEC10, VDE, EMC | | |