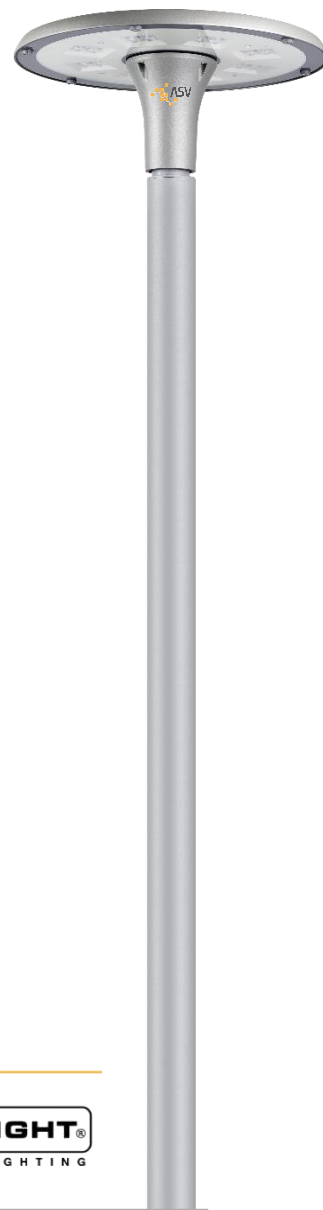
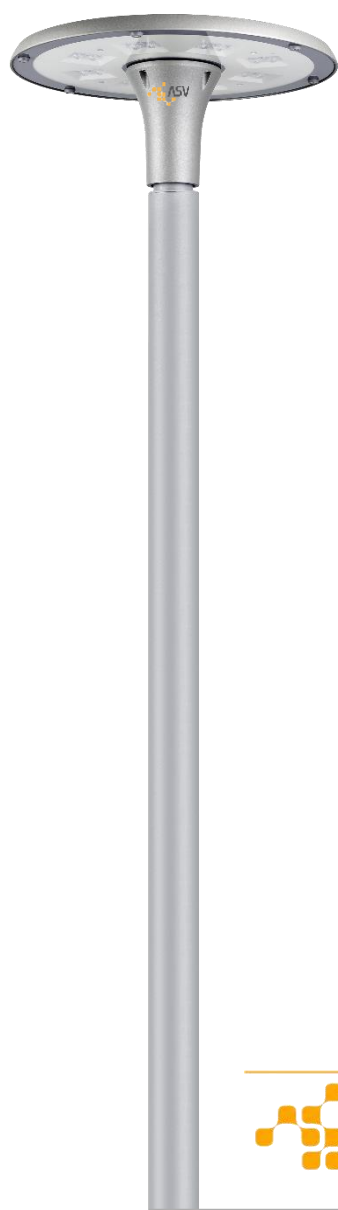
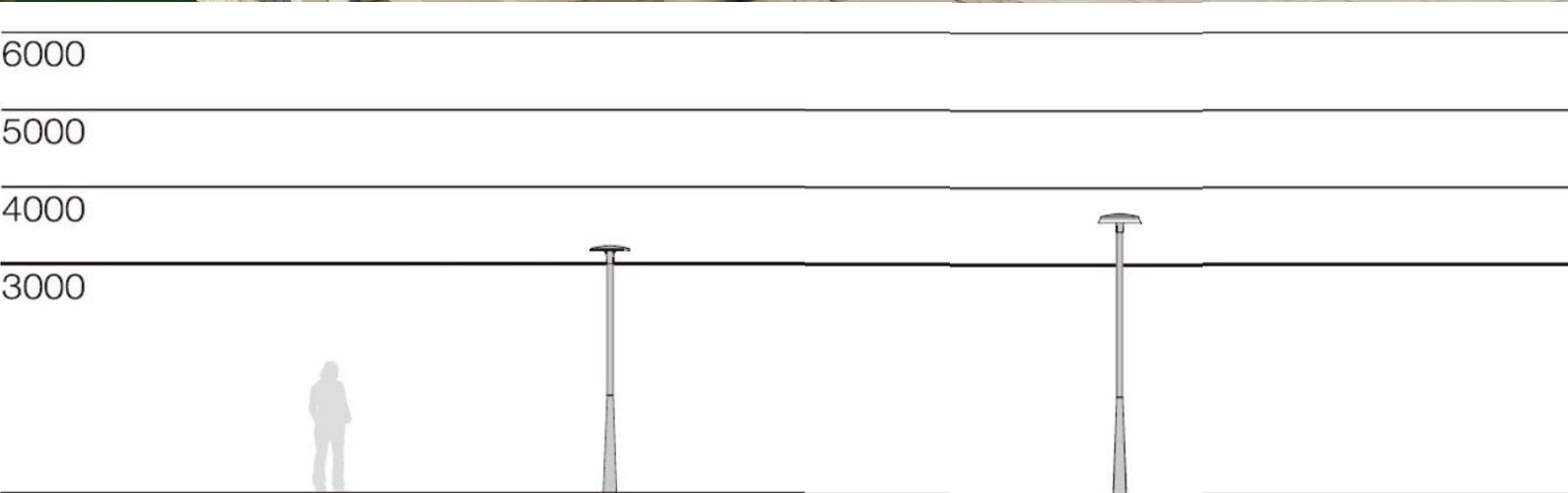


FILE LUMINAIRE CARINA





DESCRIPTION:

The Carina luminaire features a modern design and incorporates state-of-the-art LED technology, making it ideal for urban roadway lighting installations in plazas and gardens. It is capable of meeting the highest technical requirements, delivering excellent lighting performance and maximum energy efficiency.



- Die-cast aluminum housing with super white tempered glass. Anti-aging PC plastic diffuser.
- PC lens optics providing comfortable, uniform light distribution and multiple optical distribution options.
- High-quality LED chips with optional 0–10V / DALI / programmable driver and surge protection up to 20 kV.
- Installation spigot diameter: Ø60 / Ø76 mm.
- Direct and indirect lighting options available according to customer requirements.
- Pure polyester UV-resistant powder coating with corrosion resistance exceeding 1,000 hours.
- No photobiological risk (no risk associated with infrared, blue light, or UV radiation) in accordance with EN 62471:2008.
- Smart road lighting control technology compatible with remote management systems.
- External screws made of 304 stainless steel.

STANDARDS AND APPLICATIONS

- | | | |
|---------------------------|----------------------|------------------|
| • EN 60598-1:2015 | • EN 61000-3-3: 2013 | • EN 61547: 2009 |
| • EN 62493: 2010 | • EN 62262: 2002 | • EN 13032-4 |
| • EN 55015: 2013 | • EN 60598-2-3:2003 | • EN 62471: 2008 |
| • EN 50102:1995 + A1:1998 | • EN 61000-3-2: 2014 | • EN 61347-1 |
| • EN 61347-2-13 | | |

Specially efficient in:

- | | | |
|-----------|---------------------|-----------|
| • Squares | • Commercial Areas | • Gardens |
| • Parks | • Residential Areas | • Walkway |

CHARACTERISTICS

Electrical Characteristics

- Input voltage..... 230 Vac
- Input frequency..... 50–60 Hz
- Power factor..... >0.97
- Electrical class..... Class I / Class II
- Programmable current..... 0.2 – 1 A
- LF output current ripple..... <4%
- Constant Light Output (CLO)...Enabled on request
- Driver..... Philips Xitanium Outdoor Prog
- Power..... 60W
- Electrical protection..... 6 kV (driver), optional 10 kV
- Thermal protection..... Self-protected driver
- HF output current ripple..... <4%
- Operating temperature..... -40°C to +55°C
- Driver diagnostics..... Active
- Driver lifetime..... 100,000 hours
- Current regulation..... Amplitude modulation (Flicker-free)

Mechanical Characteristics

- Material... Corrosion-resistant aluminum alloy
- Lenses..... Polycarbonate / PMMA
- Weight..... 7.95 kg
- Color..... RAL 9007
- Diffuser..... Flat tempered glass
- Installation..... Vertical
- Wind surface area..... 0.0615 m²

Dimming and Programming

- Dimming..... 1–10 V / DALI
- Autonomous programming..... Up to 5 steps
- Point-to-point control..... Compatible
- Centralized dimming..... Optional (AmpDim)
- Control line..... Optional
- Bluetooth dimming..... Optional

Options

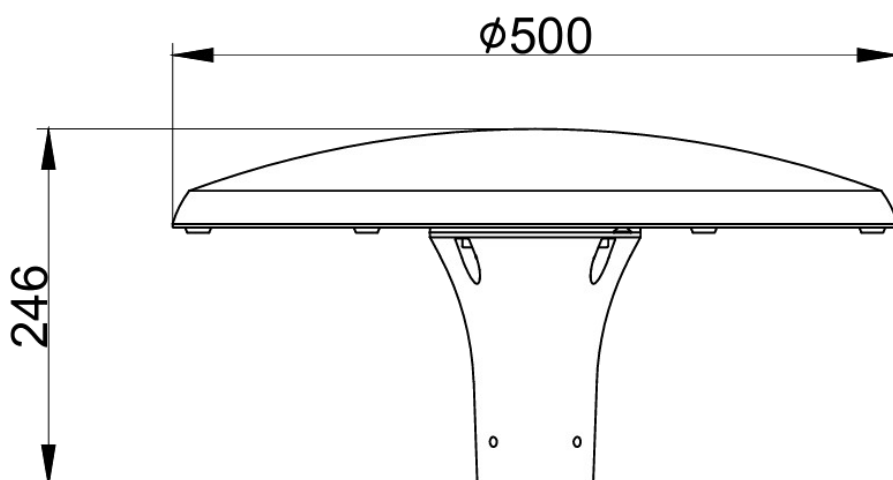
- *SRI*.....Yes
- *Surge protection*.....Yes
- *Connector*..... Nema / Zhaga
- *Sensors*.....Yes

Photometric Characteristics

- Light source..... Philips FastFlex LED
- Number of LEDs..... 32 LEDs
- LED luminous efficacy..... 160 lm/W (4000K)
159 lm/W (3000K)
- CRI..... CRI >70 / CRI >80
- Modularity..... Compatible with Zhaga Book 15
- Protection..... Yes
- Lens efficiency..... >92%
- LED lifetime..... >100,000 hours
- Color temperature..... 2200K / 2700K / 3000K
4000K / AMBER
- Overheating protection..... NTC 15 kΩ + 2000 Ω
- Optical distributions..... 1
- ULOR (Upward Light Output Ratio)..... <1%
- Lumen maintenance..... Linear programmed over time (CLO)

* For other configurations or required power ratings, please contact the factory.

DIMENSIONS



LIGHTING CONFIGURATION

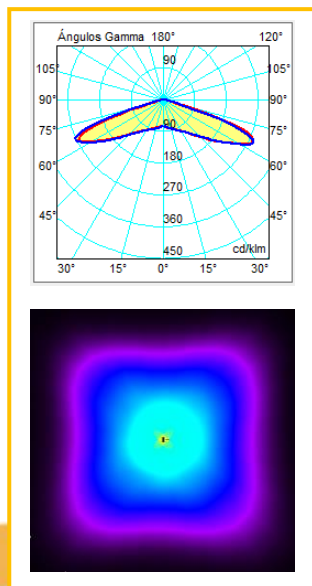
	2200K	2700K	3000K	4000K
32 LEDS	7800	8040	9540	9600
Efficiency (lm/W)	130	134	159	160

* The values shown in these tables are subject to slight variations resulting from factors such as the optics used in the luminaire or the operating current setting.

** For other lighting configurations and required power ratings, please contact the factory.

OPTICAL DISTRIBUTIONS

VSM



Ruviser[®]

