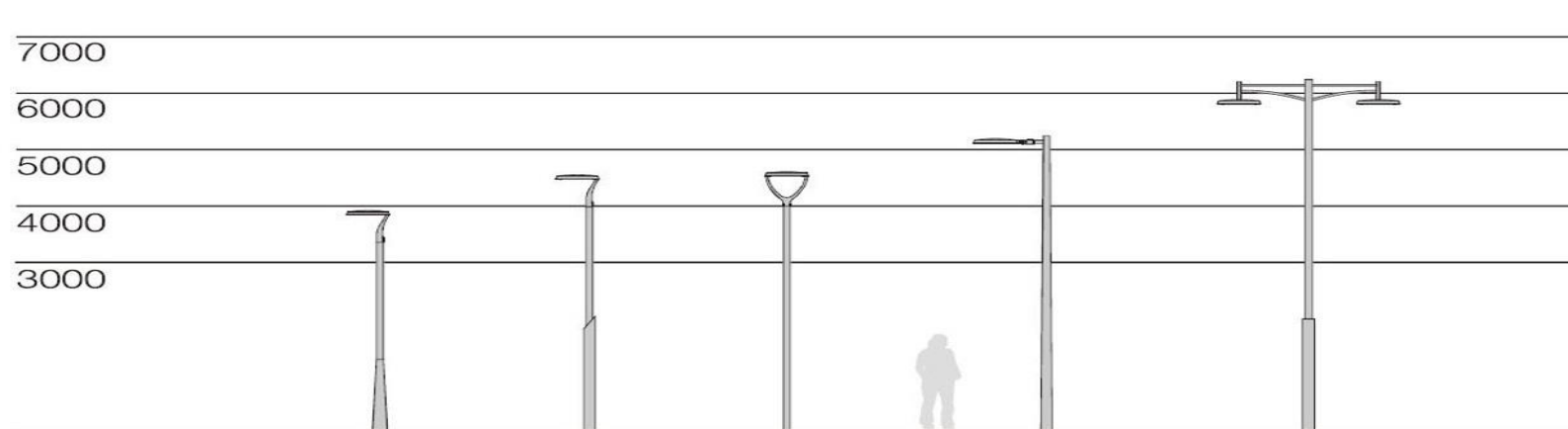


FICHE LUMINAIRE PLATE





DESCRIPTION:

The **Plate Series luminaires** represent a modern range of classic LED lighting solutions, specifically designed for **parks, gardens, pedestrian areas, and outdoor lighting applications**. Featuring an elegant and contemporary design, these luminaires offer a wide variety of mounting options to achieve different visual effects and adapt to diverse site configurations.



- Die-cast aluminum housing, super-white tempered glass diffuser, and white polycarbonate (PC) reflector.
- Optical system with polycarbonate (PC) lenses providing excellent visual comfort and uniform light distribution.
- Factory-programmed Philips Xitanium LP/FP DALI driver.
- Various optional mounting brackets available for different lighting configurations.
- Post-top and side-entry mounting with adjustable arm inclination.
- Mounting spigot diameter: Ø60 mm / Ø76 mm.
- Polyester powder coating with UV-resistant finish, providing corrosion resistance exceeding 1,000 hours.
- No photobiological risk (no hazards associated with infrared, blue-light, or UV radiation) in accordance with EN 62471:2008.
- Compatible with remote lighting management systems.
- External fasteners made of AISI 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:

- | | |
|----------------|---------------------|
| • Main Avenues | • Comercial Areas |
| • Roadways | • Residential Areas |
| • Gardens | • Parks |

CHARACTERISTICS

Electrical Characteristics

- Supply voltage.....230 Vac
- Supply frequency.....47–63 Hz
- Power factor.....>0.97
- Electrical class.....Class I / Class
- Programmable current.....0.2 – 1 A
- LF output current ripple.....≤6%
- Constant Light Output (CLO).....Available
- Driver.....Philips Xitanium Outdoor Prog.
- Power.....100 W
- Surge protection.....6 kV (driver), optional 10 kV
- Thermal protection.....Self-protected driver
- HF output current ripple.....≤5%
- Operating temperature.....-40°C to +55°C
- Driver diagnostics.....Driver with diagnostic system
- Driver lifetime.....100,000 hours
- Current regulation.....Amplitude modulation (Flicker-free)

Mechanical Characteristics

- Material.....Corrosion-resistant aluminum alloy
- Lenses.....Polycarbonate / PMMA
- Weight.....8.50 kg
- Color.....RAL 9005
- Diffuser.....Flat tempered glass
- Installation.....Side-entry / Post-top
- Installation diameter.....60 / 76 mm
- Wind exposed area.....0.0577 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

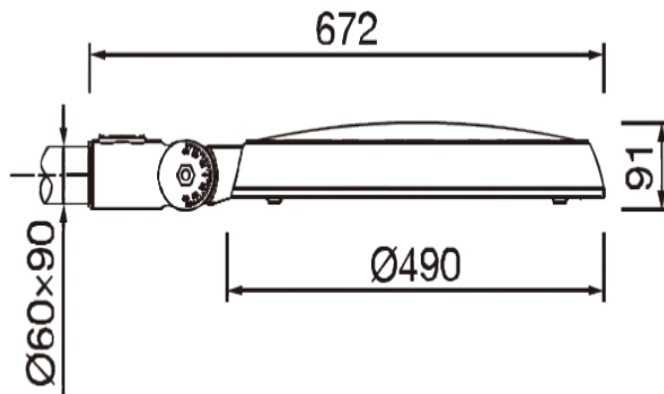
- *SRI*.....Yes
- Surge protection.....Yes
- *Connector*.....Nema / Zhaga
- *Sensors*.....Yes

Photometric Characteristics

- Light source.....Philips FastFlex LED
- Number of LEDs.....8-12-16-24-36 LEDs
- CRI.....CRI >70 / CRI >80
- Modularity.....Zhaga Book 15 compatible
- Protection.....Yes
- Optical distributions.....More than 20 available
- Lumen maintenance.....Linear programmed over time (CLO)
- LED lifetime.....>100,000 hours
- LED luminous efficacy.....183 lm/W
- Maximum LED efficacy.....208 lm/W
- Color temperature.....2200K / 2700K / 3000K / 4000K / Amber
- Overheating protection....NTC 15 kOhm + 2000 Ohm
- ULOR.....<0.5%
- Lens efficiency.....>92%

For other configurations or power ratings, please consult the factory.

DIMENSIONS



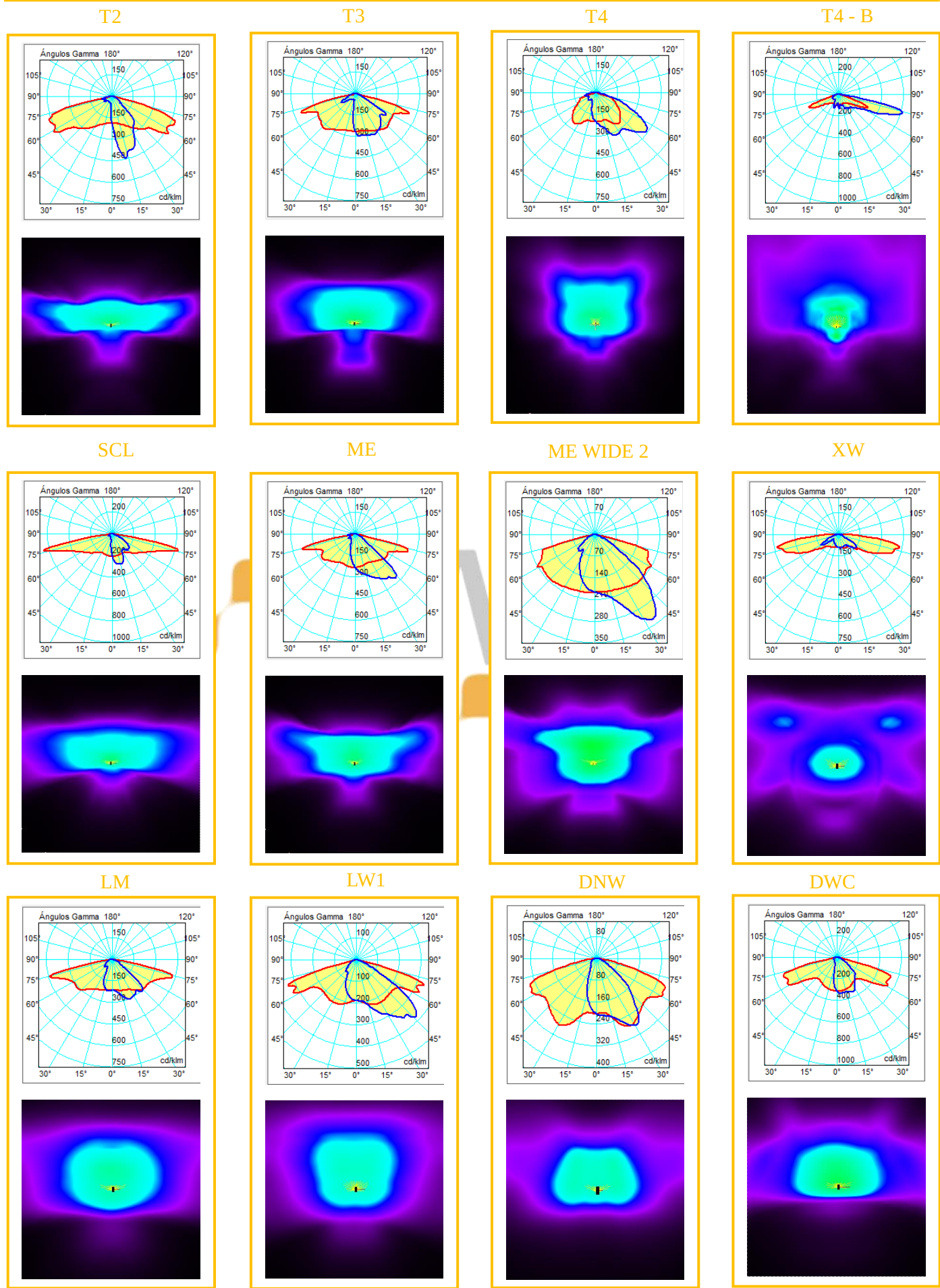
LIGHTING CONFIGURATIONS

	8 LEDS	12 LEDS	16 LEDS	24 LEDS	36 LEDS
2200K	3078	4080	4960	7440	12300
2700K	3159	4216	5080	7680	12700
3000K	3780	5032	6080	9180	15200
4000K	3807	5066	6080	9180	15200
Power (W)	27	34	40	60	100
Efficiency (lm/W)	141	149	152	153	152

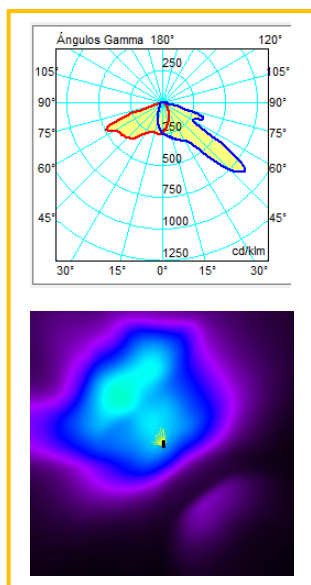
For other configurations or power ratings, please consult the factory.

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 settings.

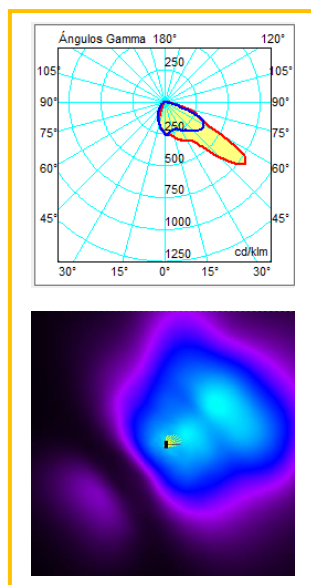
OPTICAL DISTRIBUTIONS



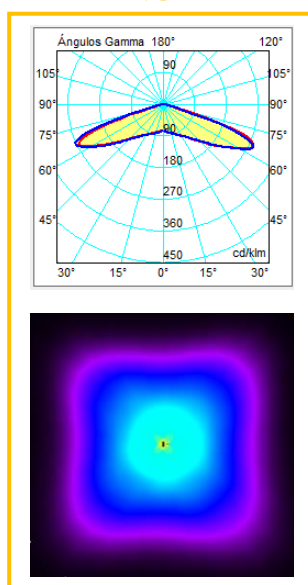
PX



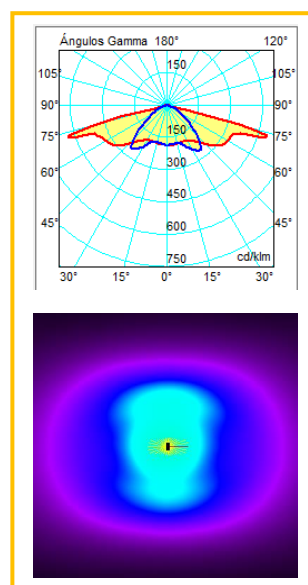
PXL



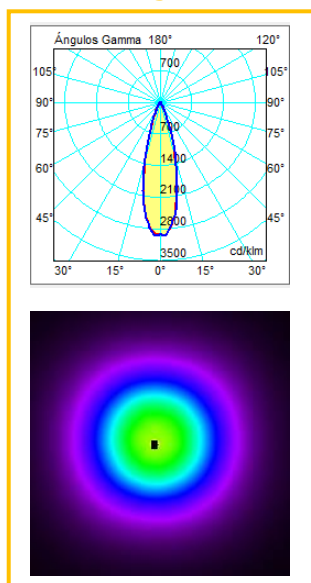
VSM



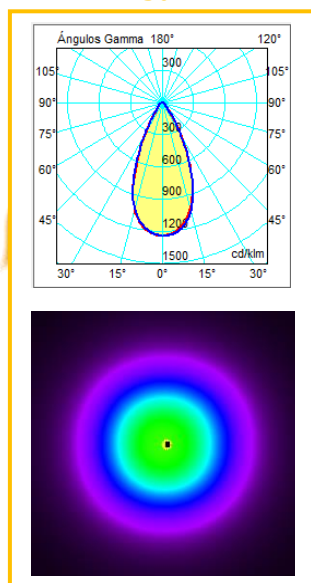
CAT



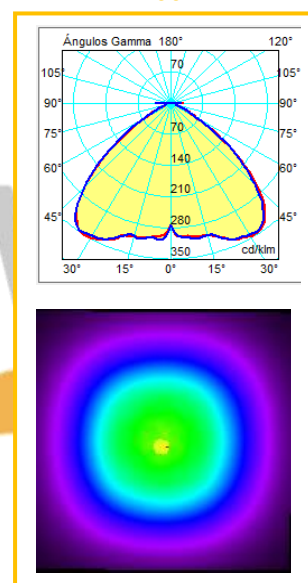
25°



50°



100°



FN

