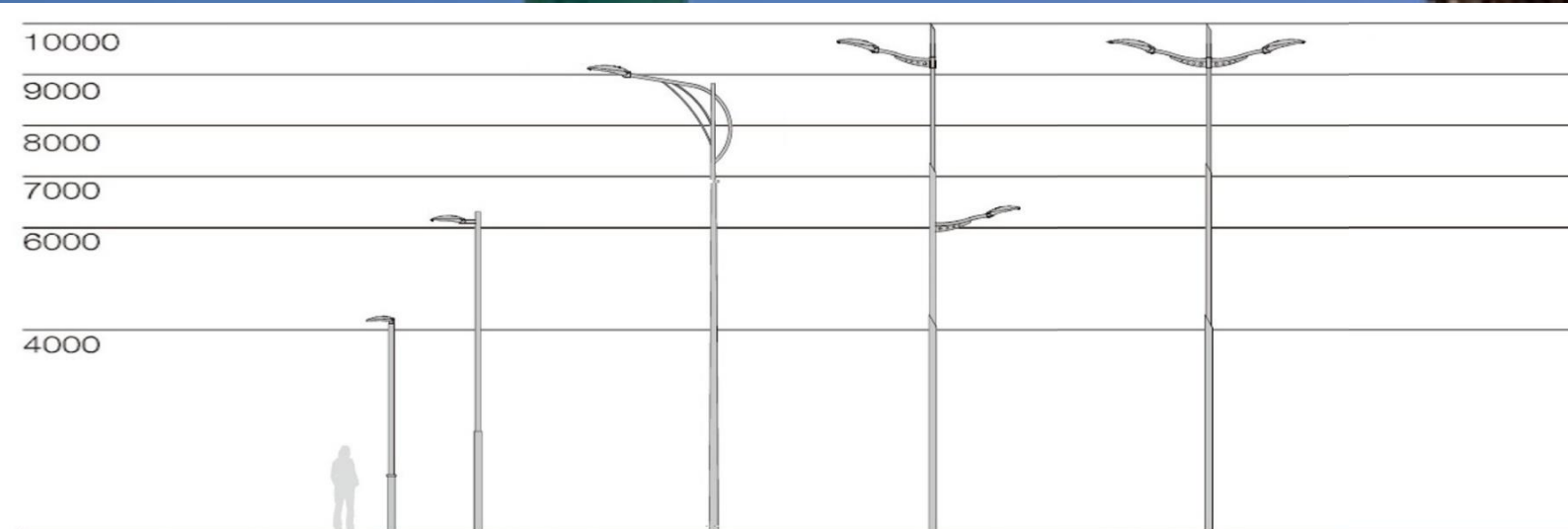


FILE LUMINAIRE ARIES M





DESCRIPTION:

A modern-style luminaire with an aerodynamic design, equipped with state-of-the-art LED technology and a heat sink, ideal for road installations on avenues and highways.

Furthermore, it not only contributes to energy efficiency but also helps reduce long-term maintenance costs thanks to its long service life.



- **Housing:** Die-cast aluminum body with "super white" tempered glass.
- **Optics:** PC (polycarbonate) lens offering high visual comfort and uniform light distribution.
- **Driver:** Philips Xitanium LP/FP – DALI – Factory programmed.
- **Maintenance:** Downward-opening light cover with a specialized custom security screw.
- **Heat Dissipation:** Integrated radiant ribs and a smooth upper cover surface, ensuring heat dissipation and providing an effective self-cleaning function via rainwater.
- **Mounting:** Vertical and lateral (side-entry) mounting with adjustable tilt angle. Fits pole diameters: Ø48/60/76mm.
- **Finish:** UV-resistant and anti-corrosion polyester powder coating. Corrosion resistance exceeds 1,000 hours (salt spray test).
- **Photobiological Safety:** Exempt from photobiological risk (no infrared, blue light, or UV radiation hazards) in accordance with EN 62471:2008.
- **Smart City Ready:** Compatible with remote management systems.
- **Hardware:** Grade 304 stainless steel external screws.

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:

- | | | |
|---------------|---------------------|--------------------|
| • Big avenues | • Comercial areas | • Industrial areas |
| • Streets | • Residential areas | |

CHARACTERISTICS

Electric Characteristics

- *Supply Voltage*..... 230 Vca
- *Supply Frequency*..... 50-60 Hz
- *Power Factor*.....>0,97
- *Electrical Class*..... Clase I / Clase II
- *Progammable Current*.....0,2 – 1 A
- *LF Output Current Ripple*.....<4%
- *Constant Light Output (CLO)*.....Activatable
- *Driver*..... Philips XitaniumOutdoorProg.
- *Power*.....<120W
- *Surge Protection*..... 6kV (driver) optional 10 kV
- *Thermal Protection*..... Driver auto protected
- *HF Output Current Ripple*.....<4%
- *Operating Temperature*..... -40°C a +55°C
- *Driver Diagnostics*..... Active
- *Driver Service Life*..... 100.000 hours
- *Current Dimming*: Amplitude Modulation (Flicker-Free)

Mechanical Charasteristics

- *Material*.... Corrosion-resistant aluminum alloy
- *Lenses*..... Polycarbonate / PMMA
- *Weight*.....6.65 kg
- *Color*.....RAL 9007
- *Diffuser*..... Flat tempered glass
- *Installation*.....lateral-post top
- *Installation Diameter*.....60/76 mm
- *Windage Area*.....0,094 m²

Regulation and programming

- *Dimming*..... 1-10 V/ DALI
- *Standalone Programming*.....Up to 5 steps
- *Point to Point*..... Compatible
- *Mains Dimming*..... Optional (AmpDim)
- *Control Line*.....Optional
- *Bluetooth Control*..... Optional

Options

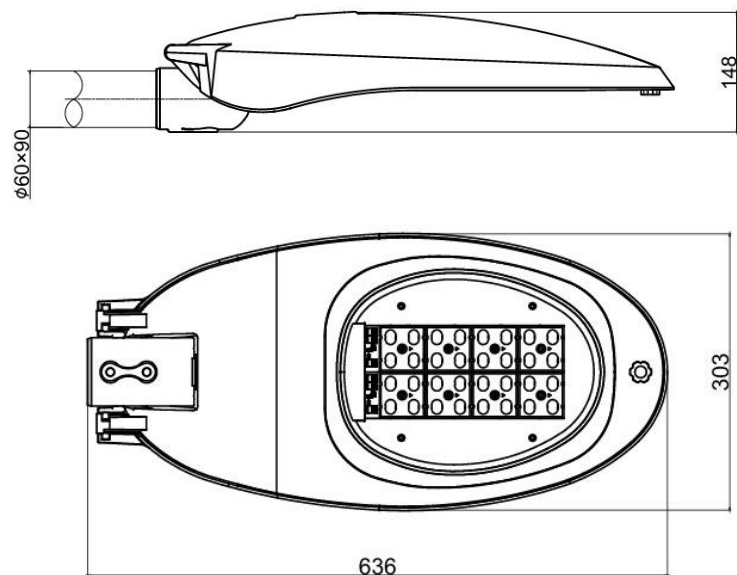
- *SRI*.....Yes
- *Surge Protection*.....Yes
- *Conector*.....Nema / Zhaga
- *Sensors*.....Yes

Lighting Characteristics

- *Light Source*..... Philips FastFlex LED
- *LED Count*.....24-32-48 LEDS
- *CRI*..... CRI >70 / CRI >80
- *Modularidad*.....Zhaga Book 15 Compatible
- *Protection*.....Yes
- *Lens Efficiency*..... >92%
- *Lumen Maintenance*.Constant Light Output (CLO)
- *Led Llifespan*..... >100.000 hours
- *LED Luminous Efficacy*.....208 lm/W
- *Color Temperature*.....2200K / 2700K / 3000K / 4000K / AMBER
- *Overheating Protection*>NTC 15 kOhm + 2000 Ohm
- *ULR*.....<0,1 %
- *Optical Distributions*.....>20

*For specific configurations or power levels consult with fabric.

DIMENSIONS



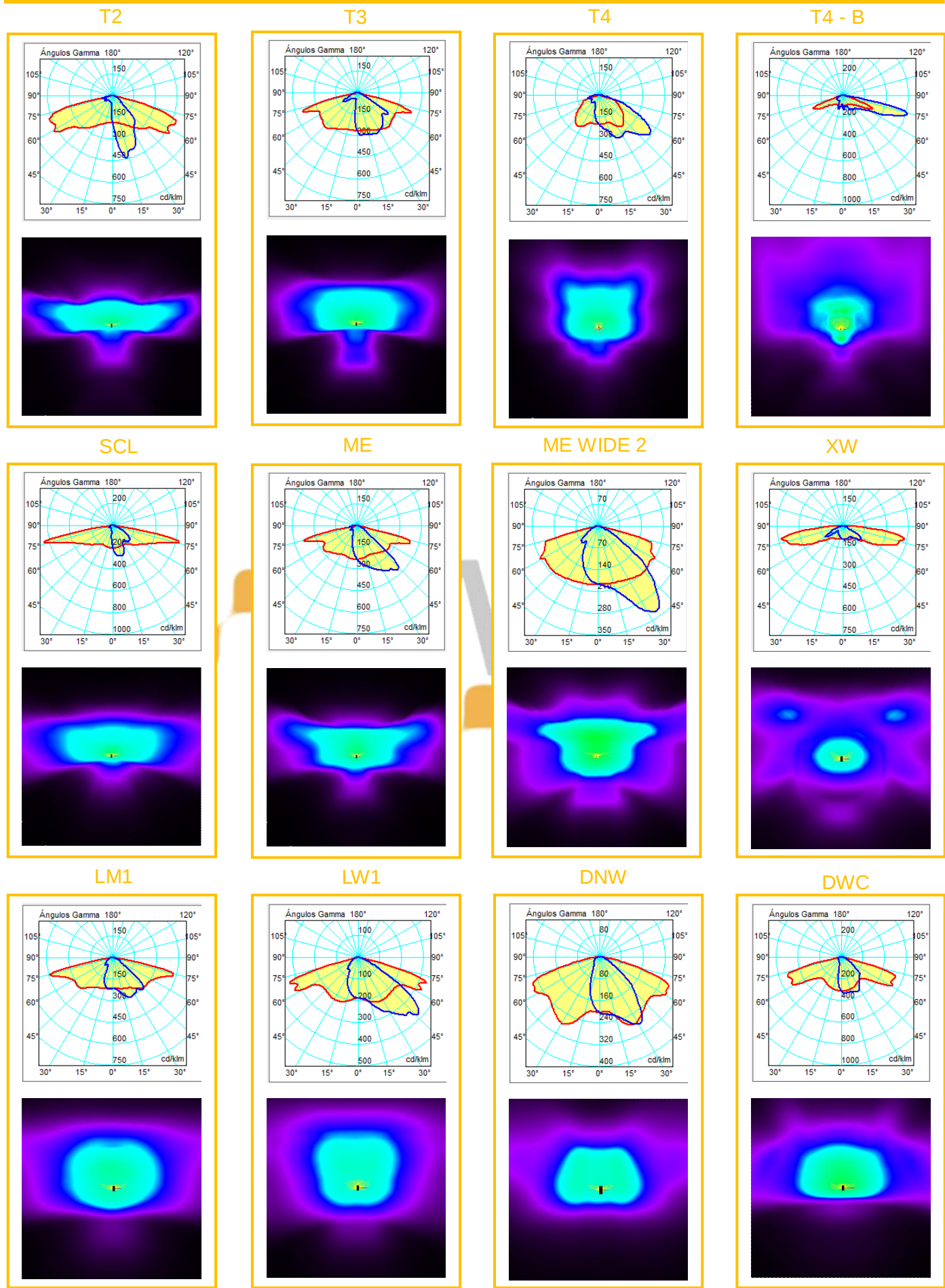
LIGHTING CONFIGURATION

	24 LEDS	32 LEDS	48 LEDS
2200K	7440	9252	15240
2700K	7680	9750	15600
3000K	9180	11700	18600
4000K	9180	11700	18600
Power (W)	60	75	120
Efficiency (lm/W)	153	156	155

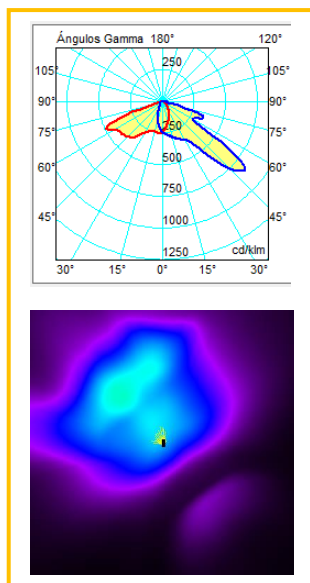
*The values presented in these tables are subject to slight variations, resulting from factors such as the optics used in the luminaire or its operating current.

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

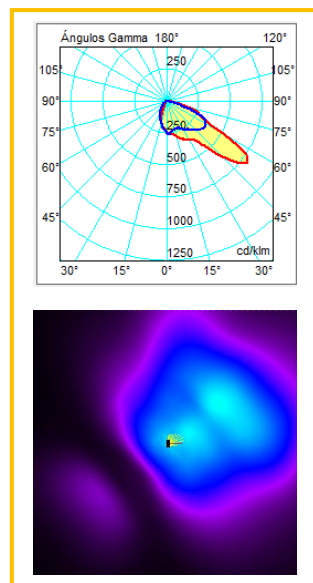
OPTICAL DISTRIBUTIONS



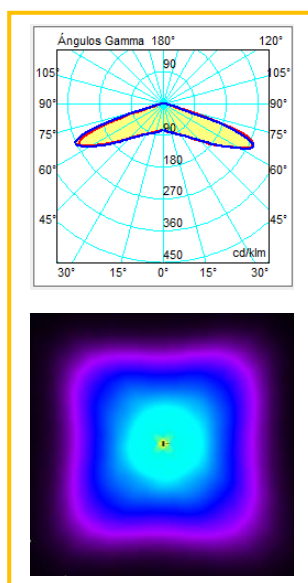
PX



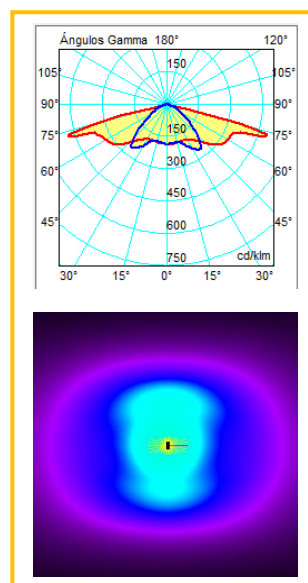
PXL



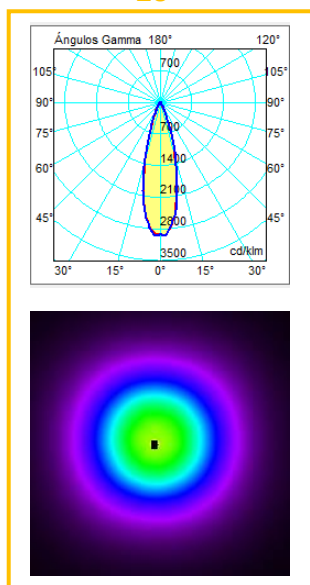
VSM



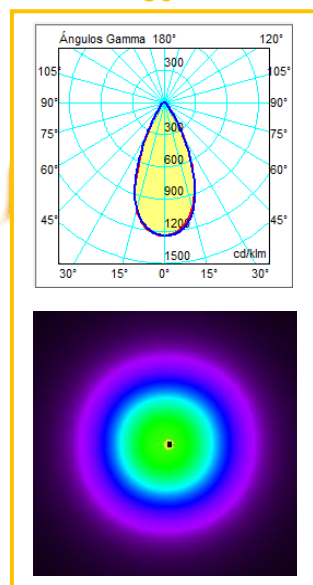
CAT



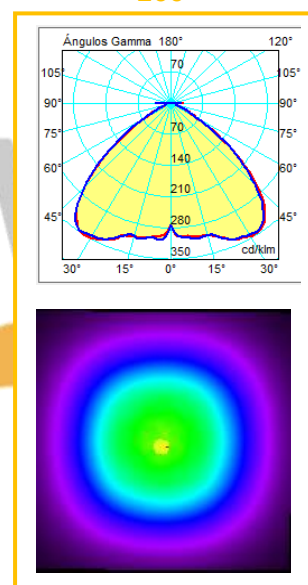
25°



50°



100°



FN

