

FILE LUMINAIRE ARA M



Ruviser®



DESCRIPTION

The **ARA M luminaire** combines a modern and elegant design with a smooth-lined housing that promotes self-cleaning and reduces dirt accumulation. Its tool-free opening system facilitates maintenance, while its high-quality **ADC-12 aluminium construction** and precision LED optics ensure efficiency, durability, and excellent performance in road and urban lighting applications.



- High-quality ADC-12 aluminium construction, Super White tempered glass.
- PC lens optics providing high visual comfort and uniform light distribution.
- Philips Xitanium LP/FP driver – DALI – Factory programmed.
- Vertical and side mounting, adjustable angle, installation tube diameter Ø48/60/76 mm.
- Luminaire rotation between 15° and 20°.
- UV- and corrosion-resistant polyester powder coating. Corrosion resistance can exceed 1,000 hours.
- No photobiological risk (no risk associated with infrared, blue light, or UV radiation), in accordance with EN 62471:2008.
- Compatible with remote management systems.
- External 304 stainless steel 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 | | |

Ideal for installation in:

- | | |
|-----------------|---------------------|
| • Major avenues | • Commercial areas |
| • Streets | • Residential areas |
| • Gardens | |

CHARACTERISTICS

Electrical Characteristics

- Supply voltage..... 230 Vac
- Supply 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)...Activatable
- Driver..... Philips Xitanium Outdoor Prog
- Power..... <120 W
- Electrical protection...6 kV (driver), optional 10 kV
- Thermal protection..... Self-protected driver
- HF output current ripple..... <4%
- Operating temperatura..... -40°C to +50°C
- Driver diagnostics..... Active
- Driver service life..... 100,000 hours
- Current regulation..... Amplitude modulation
(Flicker-free)

Mechanical Characteristics

- *Material*..... Aleación de aluminio anticorrosión
- *Lentes*..... Policarbonato / PMMA
- *Peso*..... 7.50 kg
- *Color*..... RAL 9007
- Diffuser..... Flat tempered glass
- Installation..... Vertical / side-mounted
- Installation diameter..... Ø60 × 85 mm
- Windage area..... 0.018 m²

Dimming and Programming

- Dimming..... 1–10 V / DALI
- Autonomous programming..... Up to 5 steps
- Head-end dimming..... Optional (AmpDim)
- Control line..... Optional
- Bluetooth dimming..... Optional

Options

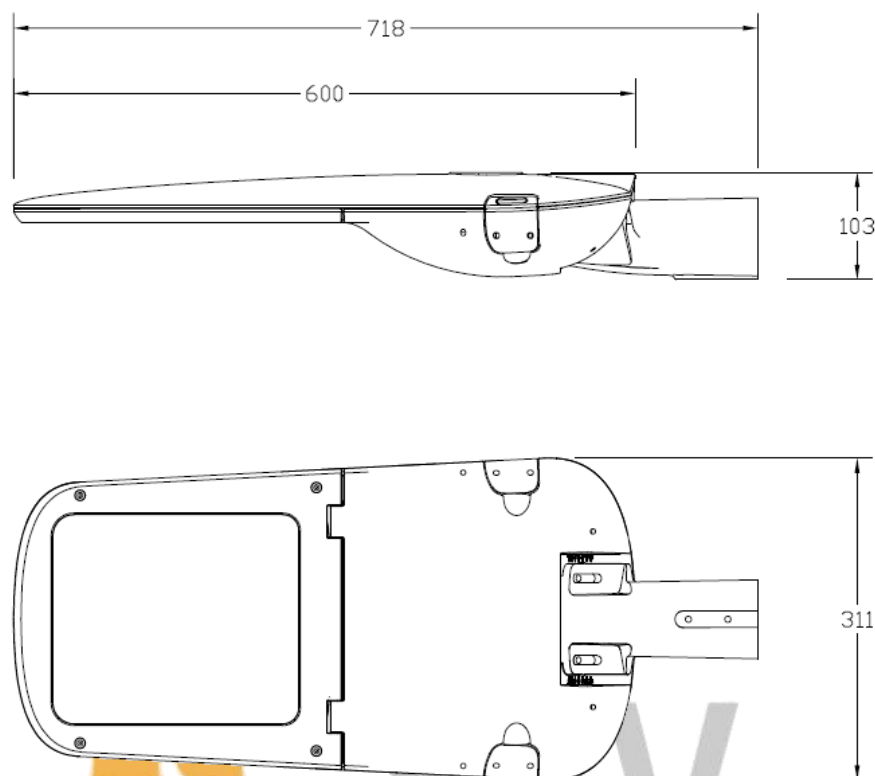
- SRI..... Yes
- Surge protection..... Yes
- Connector..... NEMA / Zhaga
- Sensors..... Yes

Photometric Characteristics

- Light source..... Philips FastFlex LED
- Number of LEDs..... 32–36–48 LEDs
- CRI..... CRI >70
- Modularity..... Compatible with Zhaga Book 15
- Protection..... Yes
- Lens efficiency..... >92%
- Lumen maintenance..... Linear programming over time (CLO)
- LED service life..... >100,000 hours
- LED luminous efficacy..... 208 lm/W
- Colour temperature..... 2200 K / 2700 K / 3000 K / 4000 K / 6500 K
- Overheating protection..... NTC 15 kΩ + 2000 Ω
- FHS..... <0.1%
- Optical distributions..... >20 different distributions

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

DIMENSIONS



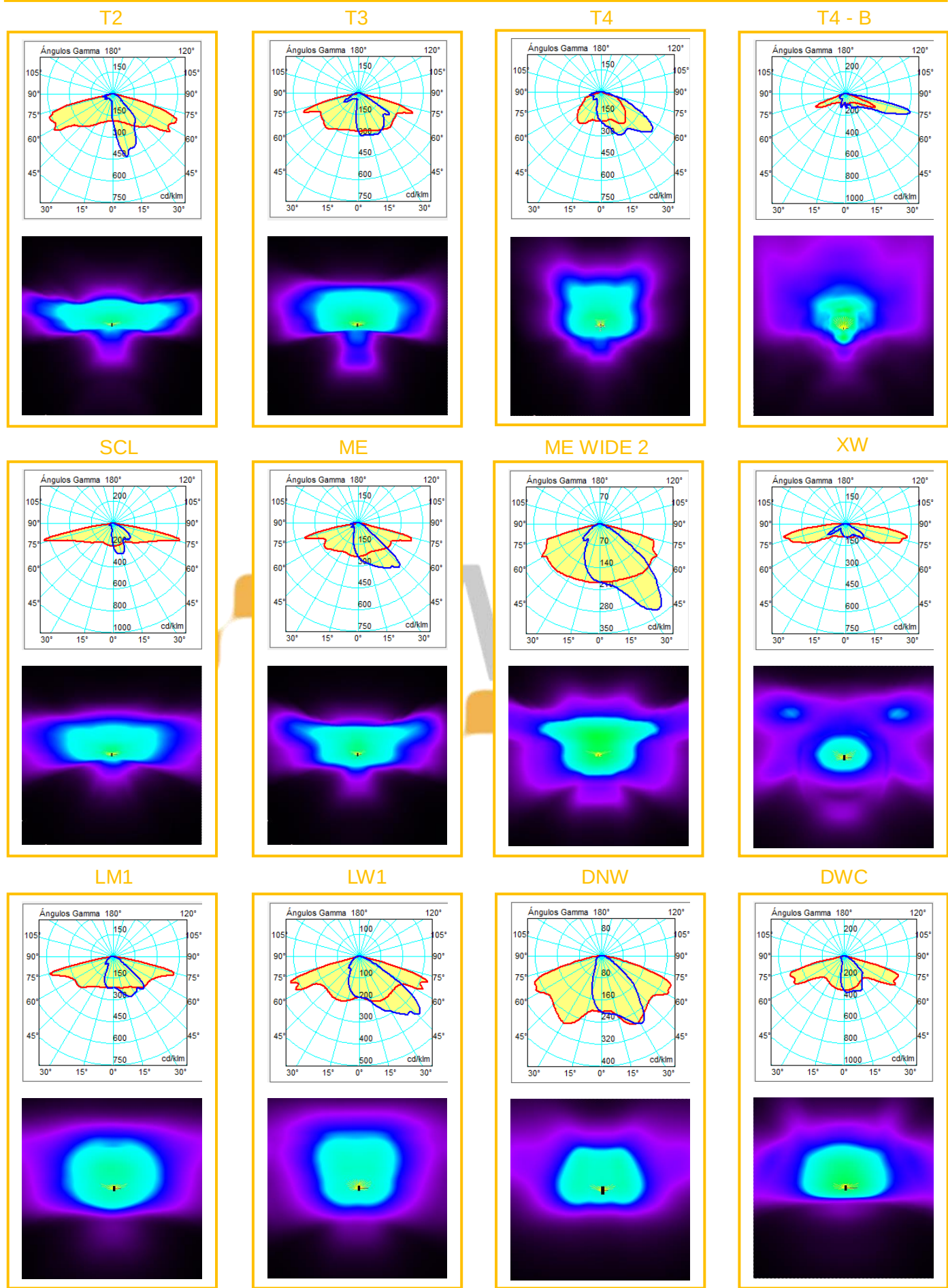
PHOTOMETRIC CONFIGURATION

	2200K	2700K	3000K	4000K	Power (W)	LED luminous efficacy
32 LEDS	9525	9750	11700	11700	75	156
36 LEDS	12300	12700	15200	15200	100	152
48 LEDS	15240	15600	18600	18600	120	155

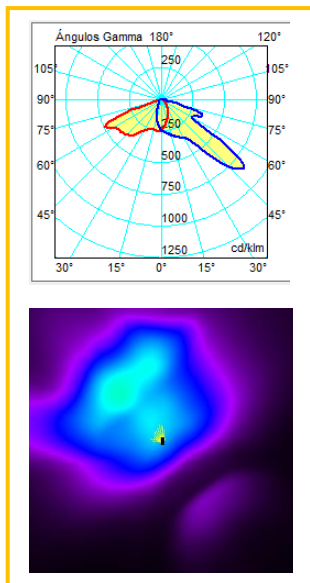
The values presented in these tables are subject to slight variations depending on factors such as the optics used in the luminaire or its operating intensity.

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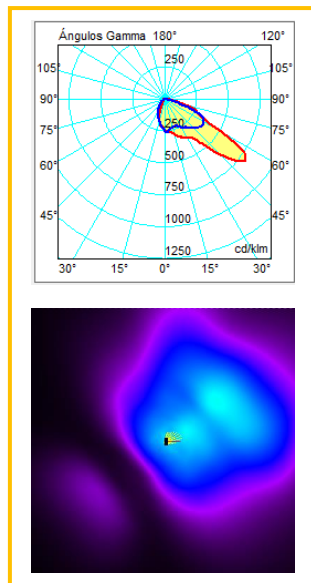
OPTICAL DISTRIBUTIONS



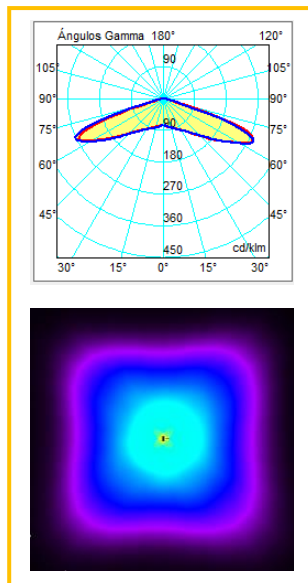
PX



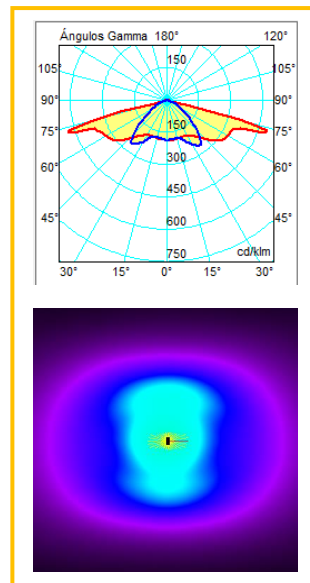
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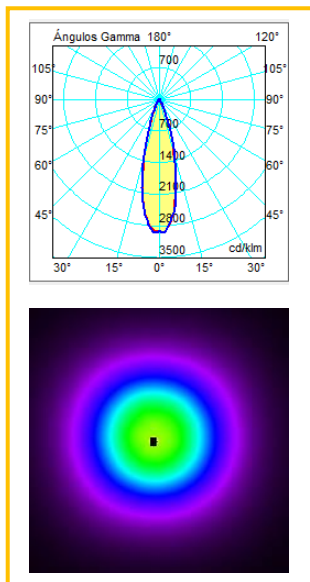
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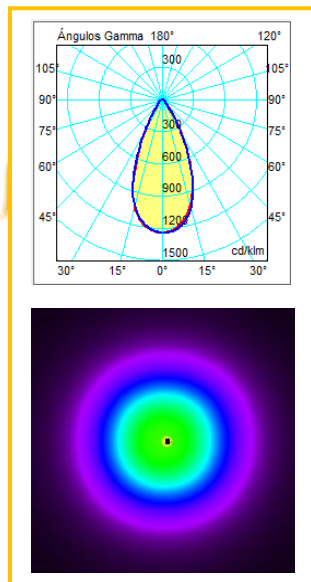
CAT



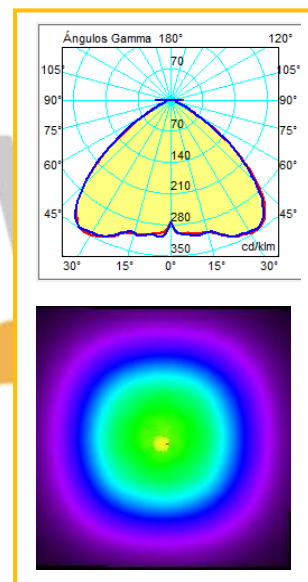
25°



50°



100°



FN

