

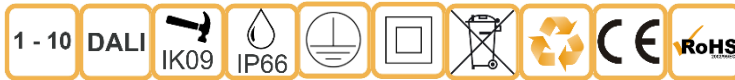
# FILE LUMINAIRE ARA S



## DESCRIPTION:

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The **ARA S 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.

## REGULATIONS AND APPLICATIONS

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- |                           |                      |                  |
|---------------------------|----------------------|------------------|
| • 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

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## Electrical Characteristics

- Supply voltage.....230 Vac
- Supply frequency.....50–60 Hz
- Power factor.....>0.90
- 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..... <60 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.... Corrosion-resistant aluminium alloy
- Lenses.....Polycarbonate / PMMA
- Weight.....5.50 kg
- Colour..... RAL 9007
- Diffuser..... Flat tempered glass
- Installation..... Vertical / side-mounted
- Installation diameter..... Ø60 mm
- Windage area..... 0.062 m<sup>2</sup>

## Dimming and Programming

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

## Options

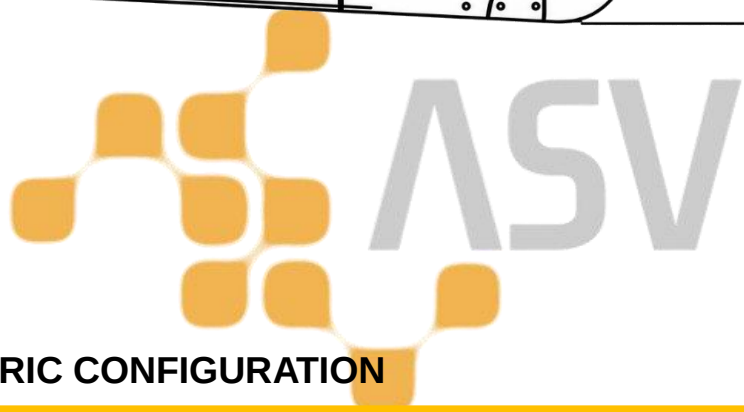
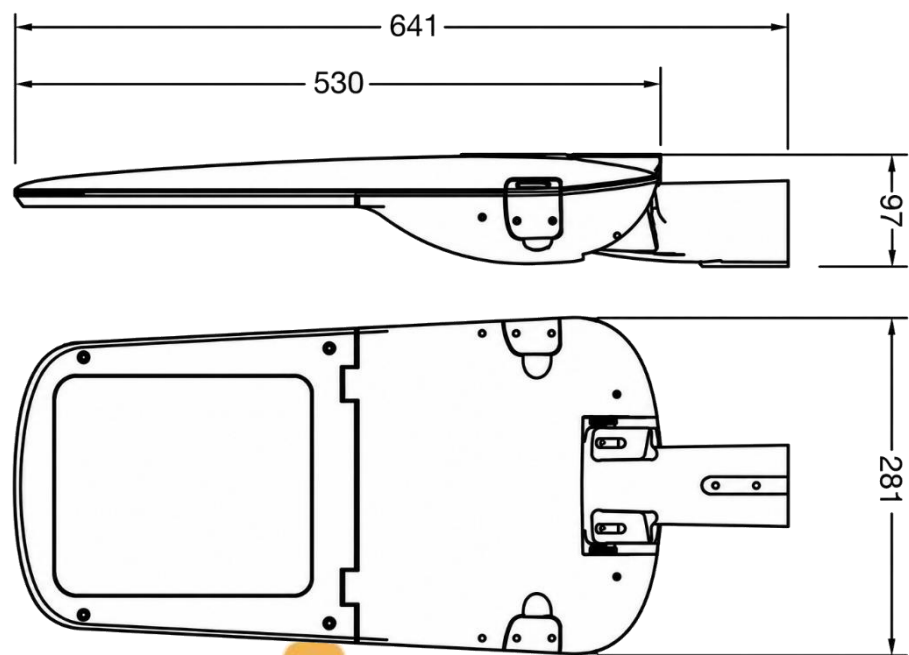
- SRI.....Yes
- Surge protection.....Yes
- Connector.....NEMA / Zhaga
- Sensors.....Yes

## Photometric Characteristics

- Light source..... Philips FastFlex LED
- Number of LEDs.....16–24 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 temperatura.....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



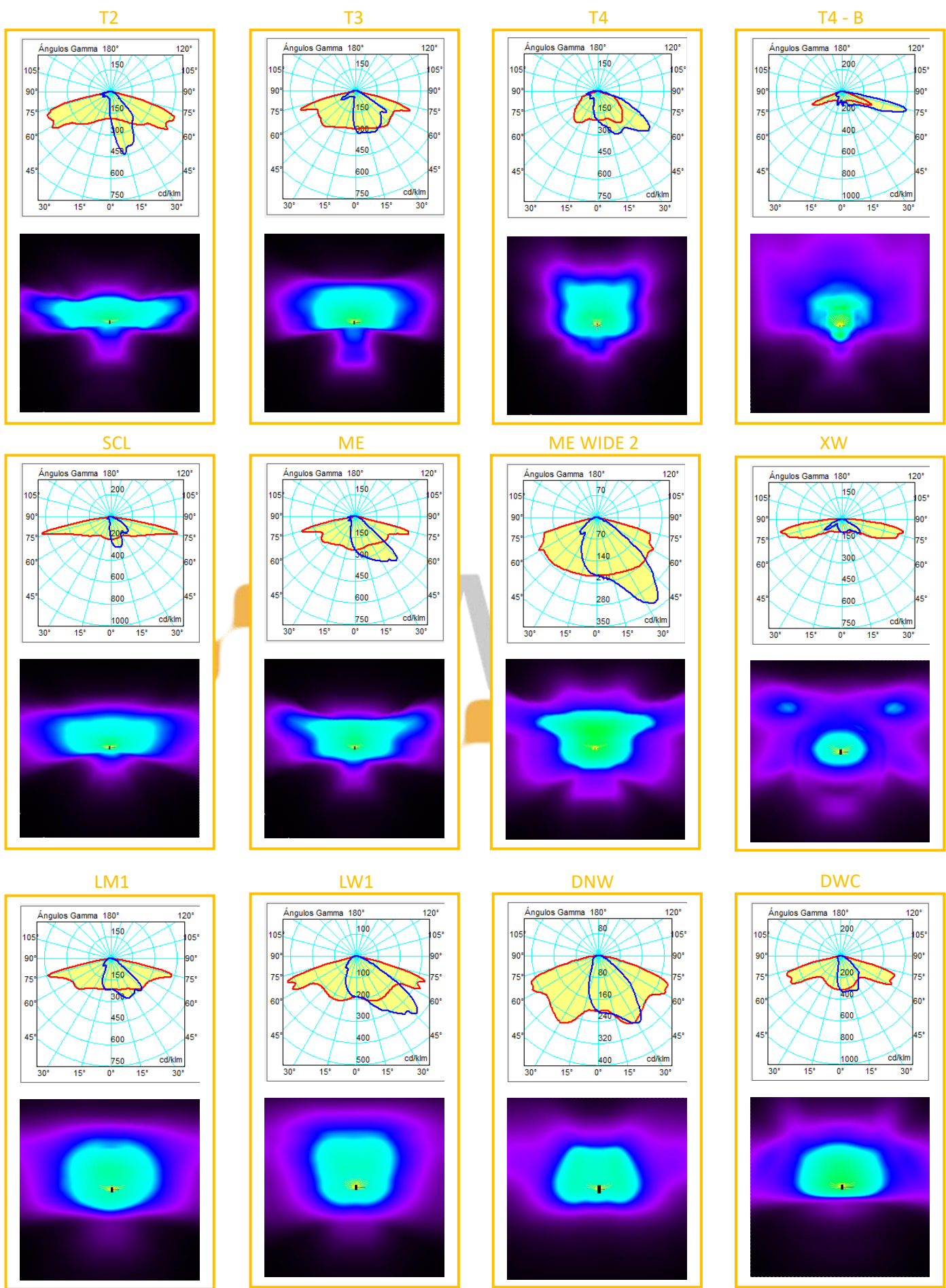
# PHOTOMETRIC CONFIGURATION

|         | 2200K | 2700K | 3000K | 4000K | Power (W) | LED<br>luminous<br>efficacy |
|---------|-------|-------|-------|-------|-----------|-----------------------------|
| 16 LEDS | 4960  | 5080  | 6080  | 6080  | 40        | 152                         |
| 24 LEDS | 7440  | 7680  | 9180  | 9180  | 60        | 153                         |

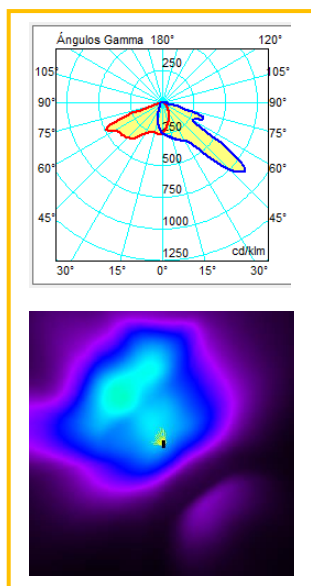
The values presented in these tables are subject to slight variations depending on factors such as the optics used in the luminaire or its operating intensity.

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

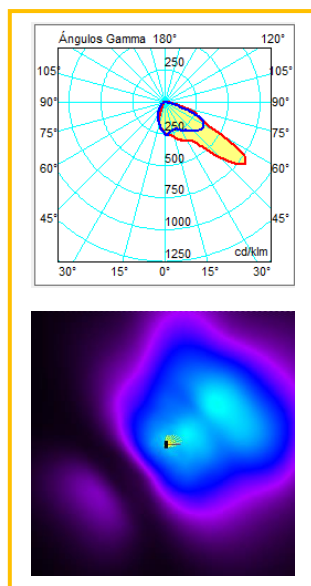
# OPTICAL DISTRIBUTIONS



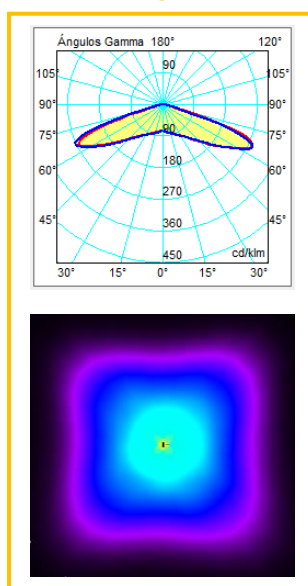
PX



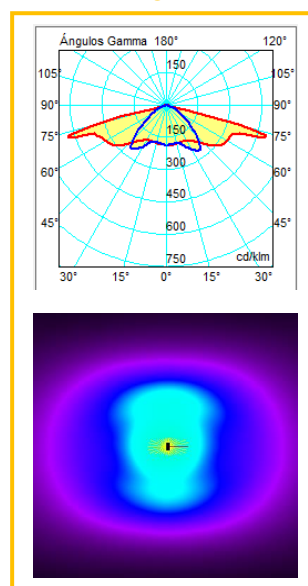
PXL



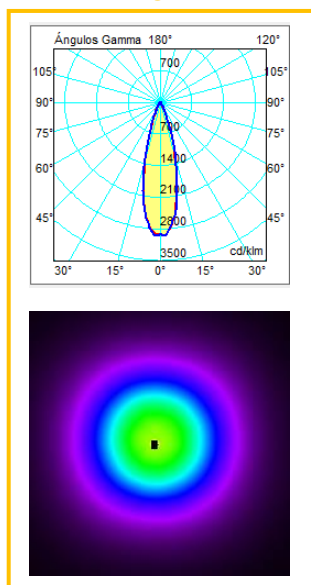
VSM



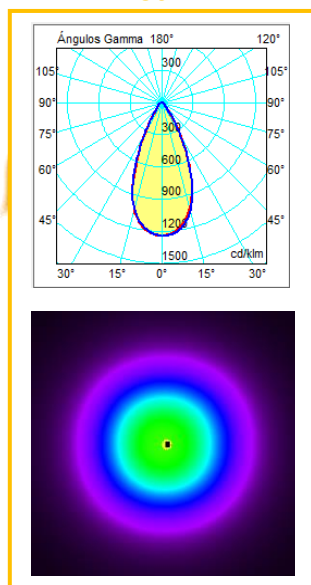
CAT



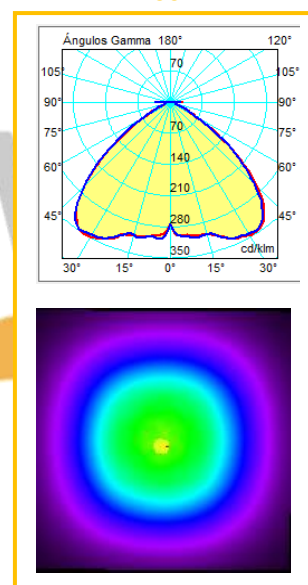
25°



50°



100°



FN

