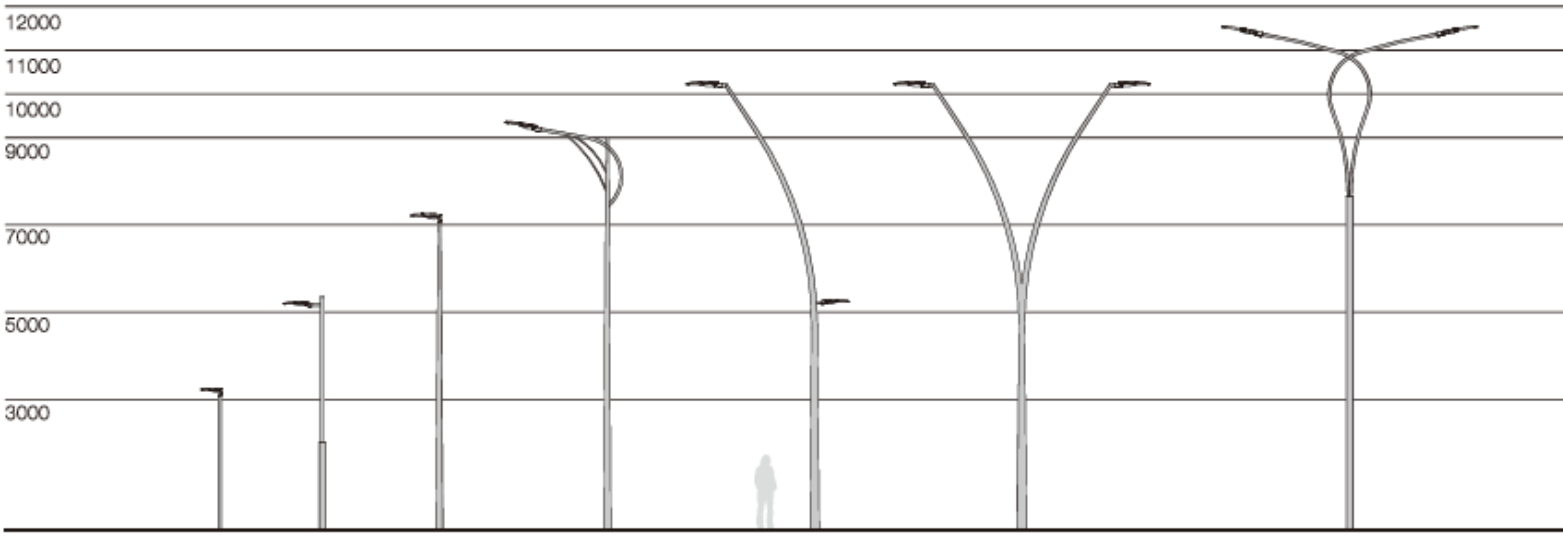
FILE LUMINAIRE TAURO L






12000
11000
10000
9000
7000
5000
3000

DESCRIPTION:

The **Tauro L** is a versatile roadway luminaire featuring cutting-edge and highly efficient LED technology, delivering significant savings in both energy and maintenance.

This luminaire is ideal due to its multiple configurations and its compact, modern, and elegant design.





- **Construction:** Pressure die-cast aluminum body with super-white tempered glass.
- **Optics:** PC lens technology providing high visual comfort and uniform light distribution.
- **Driver:** Philips Xitanium LP/FP – DALI – Factory pre-programmed.
- **Surge Protection:** Built-in protection against surges of up to **10kV**.
- **Maintenance:** Tool-free access via a push-button mechanism to open the device.
- **Installation:** Three mounting modes: vertical (post-top), horizontal (side-entry), and wall mount. Installation diameter: **Ø48 / Ø60mm**.
- **Finish:** UV-resistant and corrosion-resistant polyester powder coating.
- **Photobiological Safety:** Rated "No Risk" (free of hazards from infrared, blue light, and UV radiation) in accordance with the **EN 62471:2008** standard.
- **Hardware:** External screws made of **304 stainless steel**.

STANDARDS AND APPLICATIONS

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

Specially efficient in:

- Big avenues
- Streets
- Roads
- Comercial areas
- Residential areas
- Parking Lots

CHARACTERISTICS

Electric Characteristics

- *Supply Voltage*……..…….….. 230 Vca
- *Supply Frequency*…….…… 47-63 Hz
- *Power Factor*…….....>0,97
- *Electrical Class*…..…….. Class I / Class II
- *Progammable Current*…….……..0,2 – 1 A
- *LF Output Current Ripple*……..…..<6%
- *Constant Light Output (CLO)*…….Activatable
- *Driver*……..…. Philips XitaniumOutdoorProg.
- *Power*…..……..……....< 200W
- *Surge Protection*….…….... 6kV (driver) optional 10 kV
- *Thermal Protection*……..... Driver auto protected
- *HF Output Current Ripple*…….……..…..<5%
- *Operating Temperature*……..…….... -40ºC a +55ºC
- *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*..……..……10 kg
- *Color*……..……..RAL 9007
- *Diffuser*……..…. Flat tempered glass
- *Installation*……..…… up to 15º angle
- *Installation Diameter*…..…….. Ø48/60 mm
- *Windage Area*……..…..…..... 0,079 m^2

Regulation and programming

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

Options

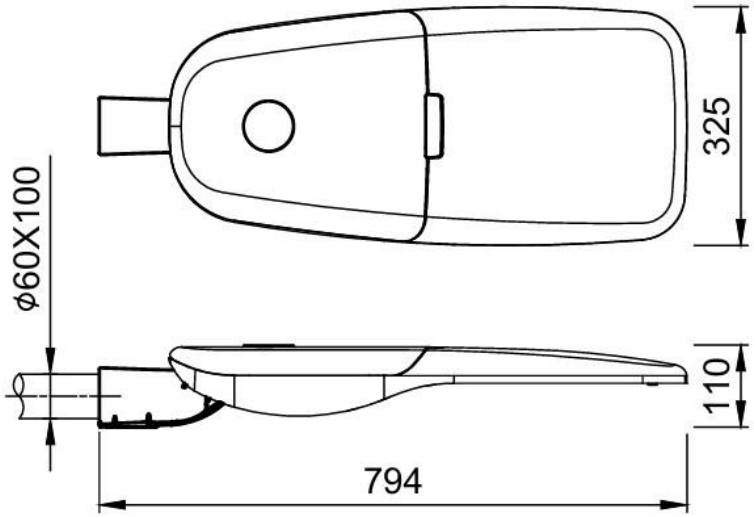
- *SRI*……Yes
- *Surge Protection*……..……..Yes
- *Conector*…..……..Nema / Zhaga
- *Sensors*.…….……..…Yes

Lighting Characteristics

- *Light Source*…….....Philips FastFlex LED
- *LED Count*……..……..48-64 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

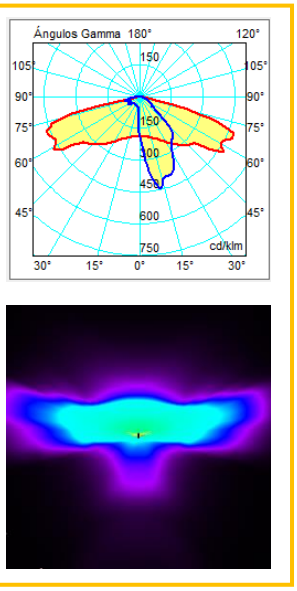
	48 LEDS	64 LEDS
2200K	15240	24800
2700K	15600	25400
3000K	18600	30400
4000K	18600	30600
Power (W)	120	200
Efficiency (lm/W)	155	153

*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.

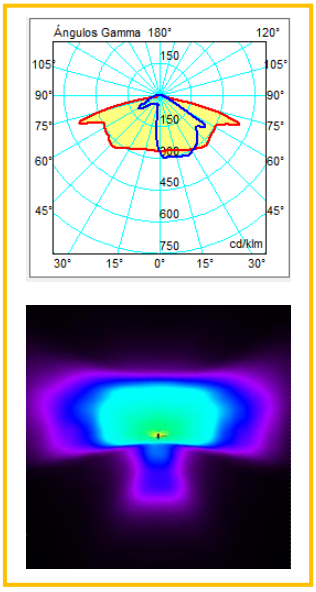
**For other configurations or required power ratings, please consult the factory.

OPTICAL DISTRIBUTIONS

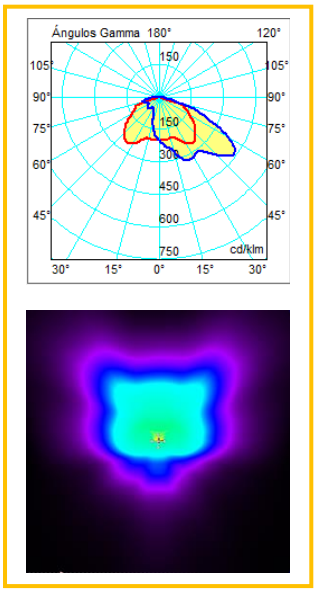
T2



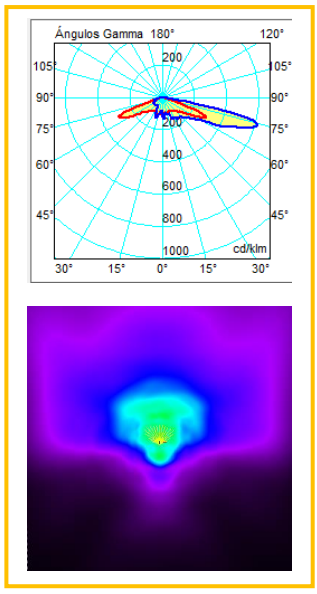
T3



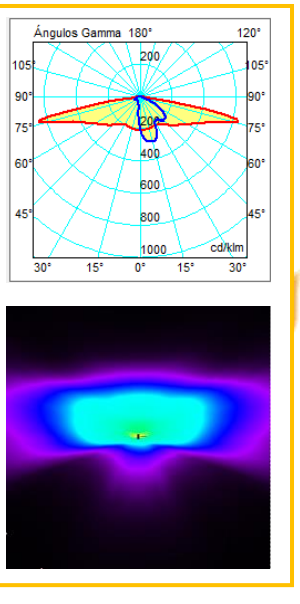
T4



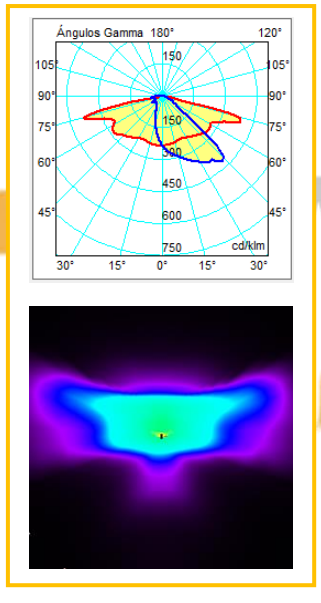
T4 - B



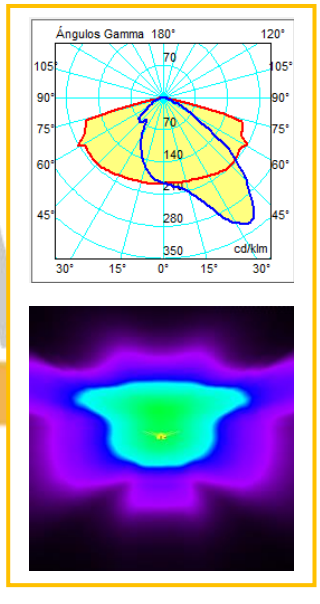
SCL



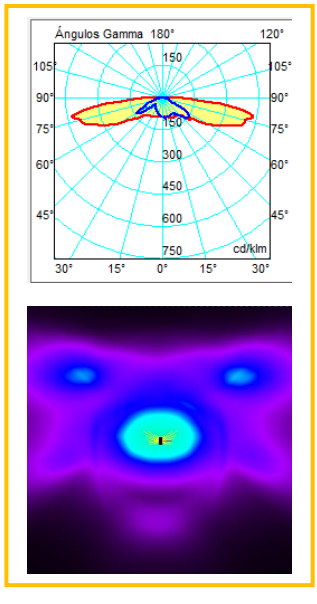
ME



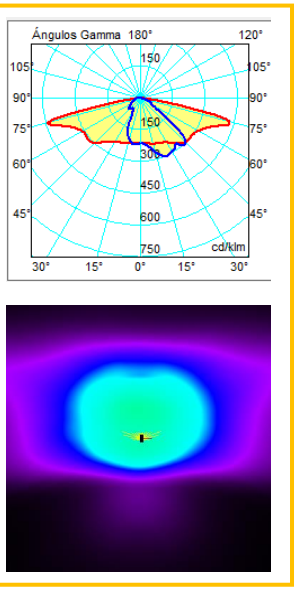
ME WIDE 2



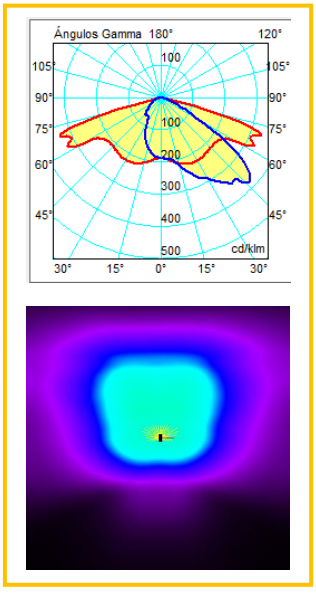
XW



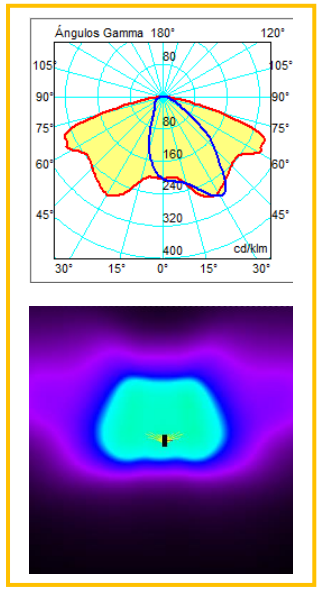
LM1



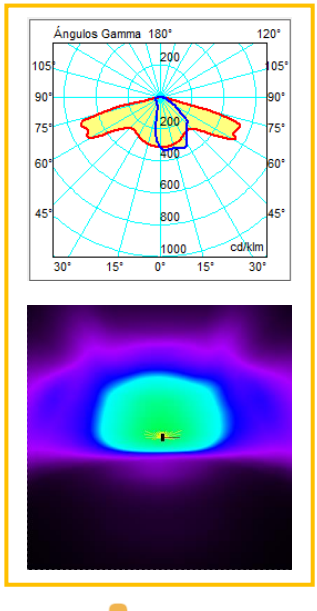
LW1



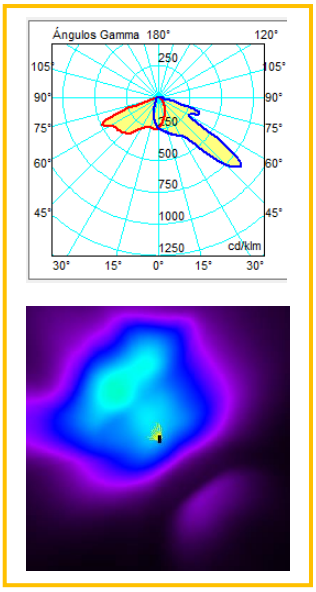
DNW



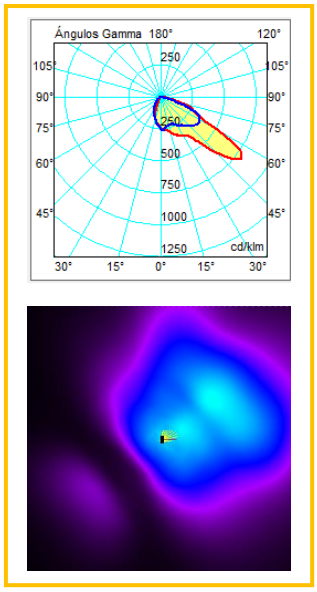
DWC



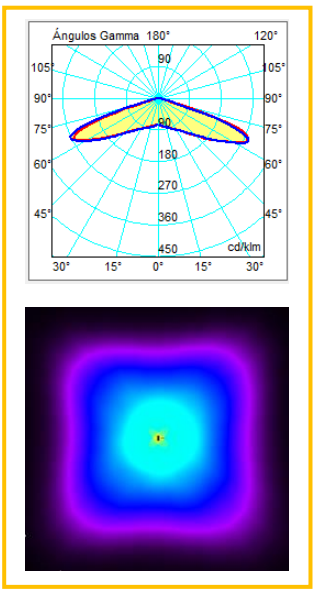
PX



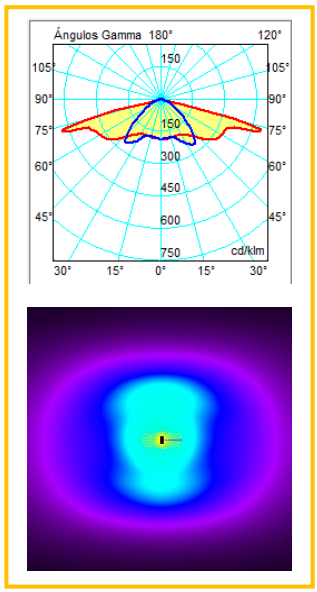
PXL



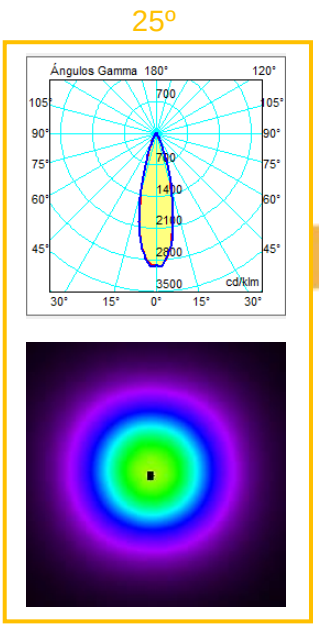
VSM



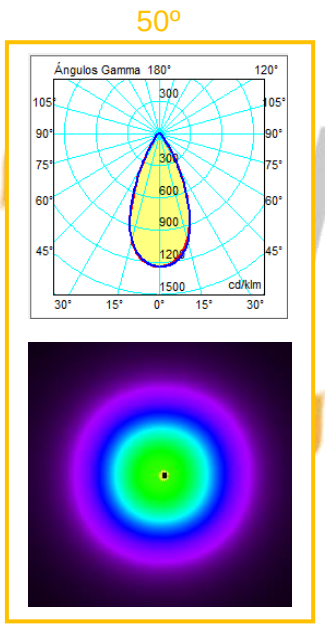
CAT



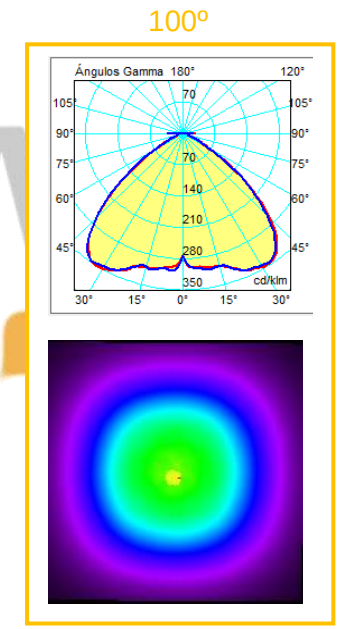
25º



50º



100º



FN

