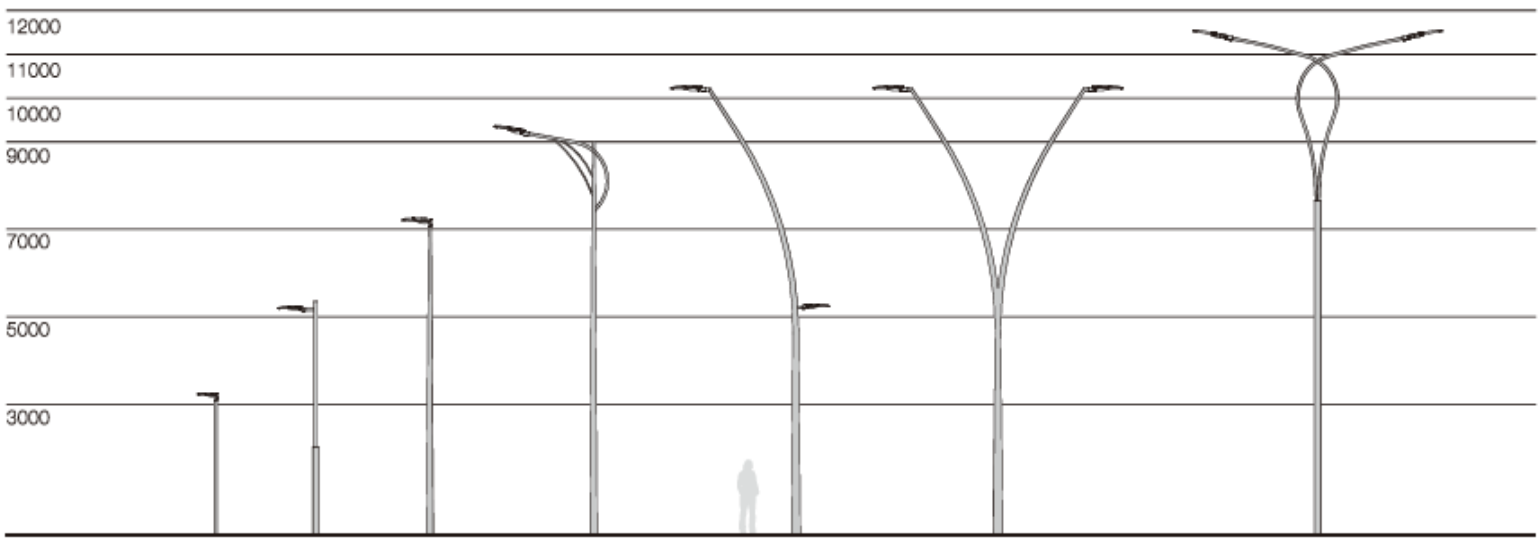
FILE LUMINAIRE TAURO M



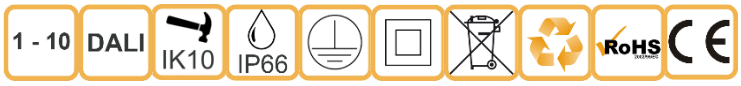



12000
11000
10000
9000
7000
5000
3000

DESCRIPTION:

The **Tauro M** is a versatile roadway luminaire featuring cutting-edge and highly efficient LED technology, providing 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*…..…….. Clase I / Clase II
- *Progammable Current*……..0,2 – 1 A
- *LF Output Current Ripple*……..…..<6%
- *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*……..……..…..<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*..……..……..7 kg
- *Color*…….……..RAL 9007
- *Diffuser*……..…. Flat tempered glass
- *Installation*……..…… up to 15º angle
- *Installation Diameter*…..…….…….. Ø48/60 mm
- *Windage Area*……..…..…..... 0,063 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

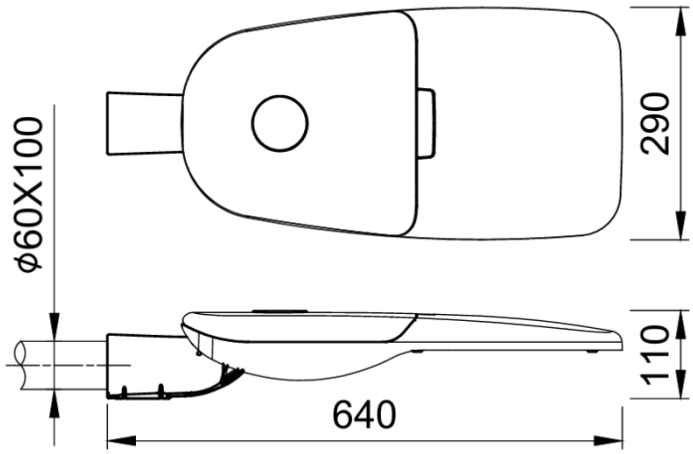
Lighting Characteristics

- *Light Source*…….....Philips FastFlex LED
- *LED Count*……...…..……32-36-48 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.*

ASVitae

DIMENSIONS



LIGHTING CONFIGURATION

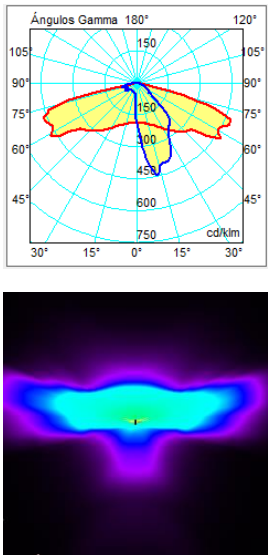
	32 LEDS	36 LEDS	48 LEDS
2200K	9525	12300	15240
2700K	9750	12700	15600
3000K	11700	15200	18600
4000K	11700	15200	18600
Power (W)	75	100	120
Efficiency (lm/W)	156	152	155

*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.

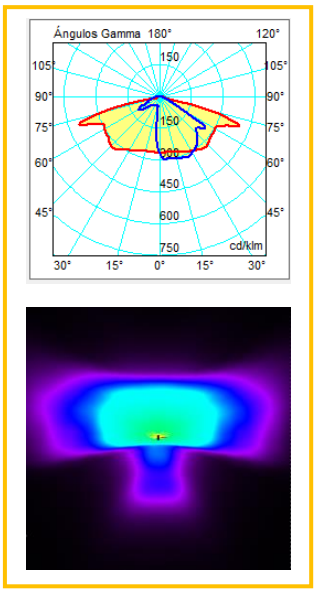
**For other configurations or required power ratings, please consult the factory.

OPTICAL DISTRIBUTIONS

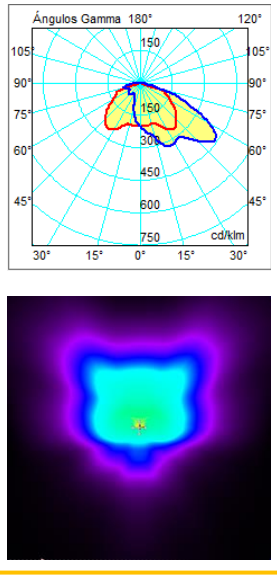
T2



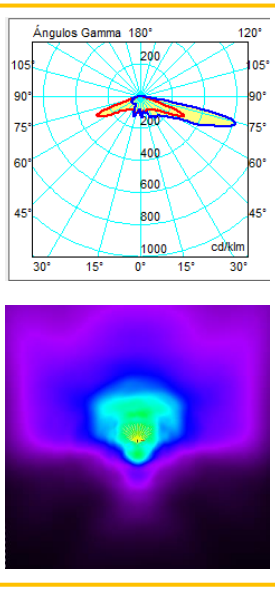
T3



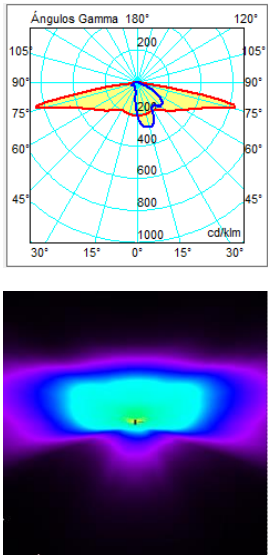
T4



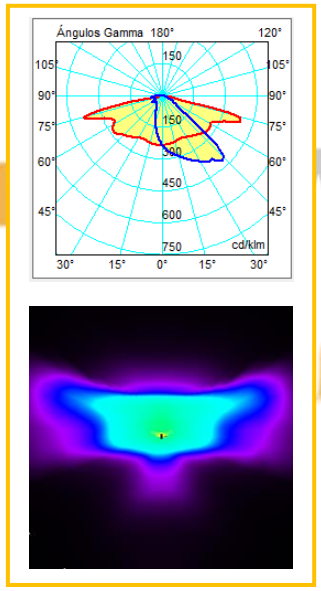
T4 - B



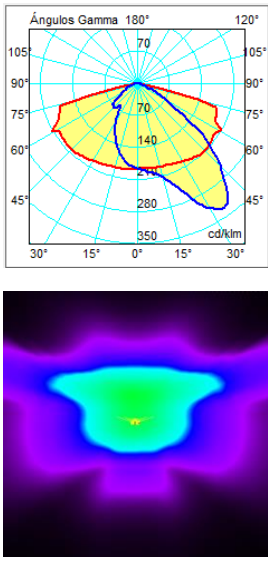
SCL



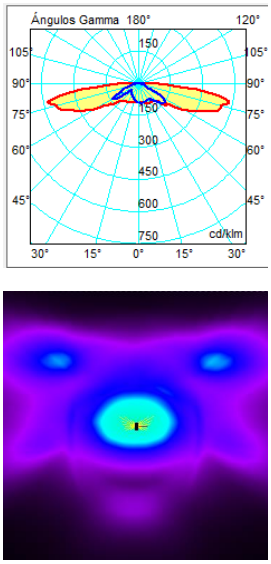
ME



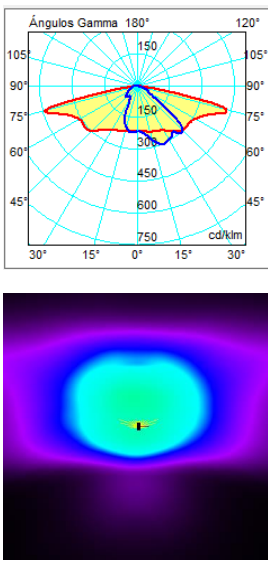
ME WIDE 2



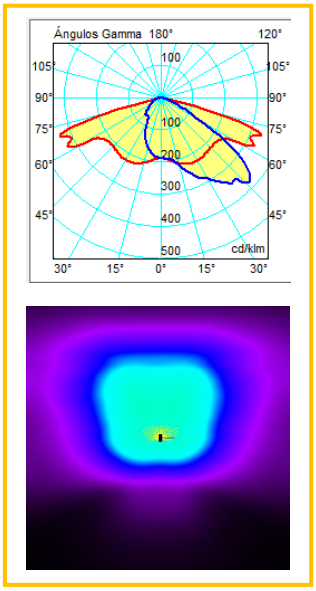
XW



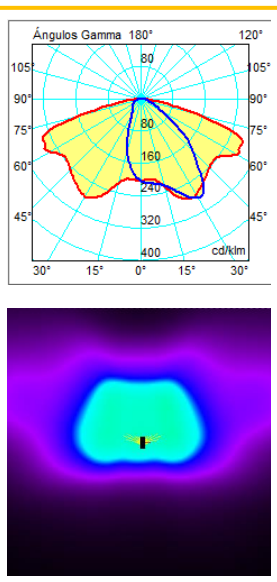
LM1



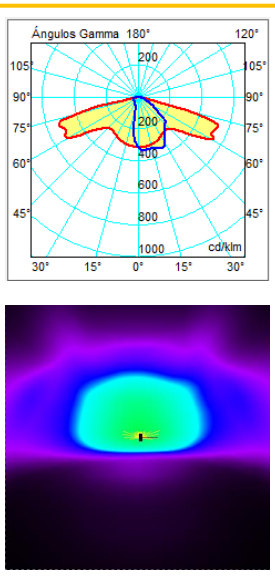
LW1



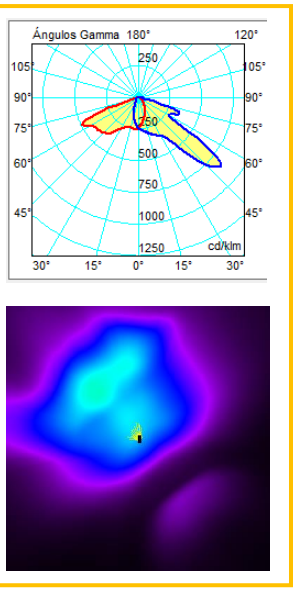
DNW



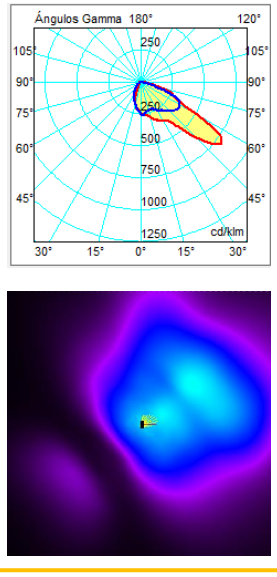
DWC



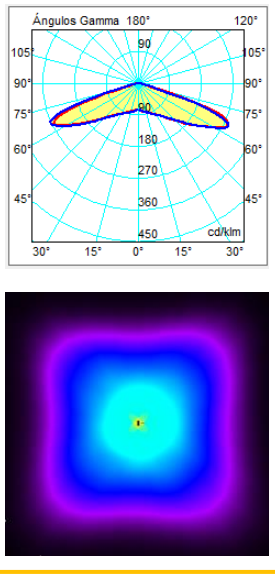
PX



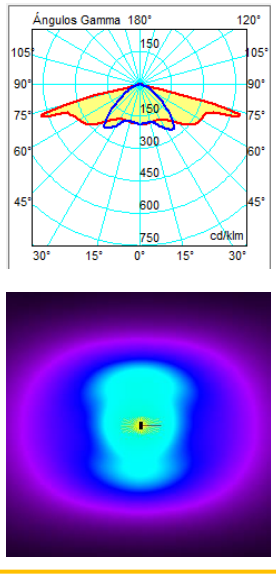
PXL



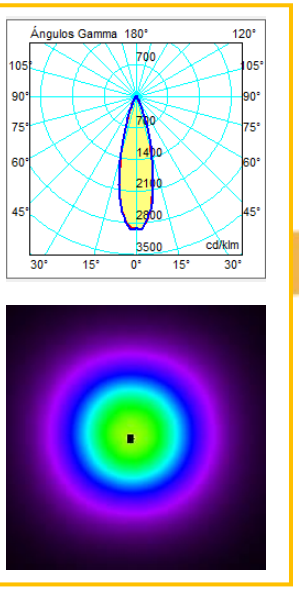
VSM



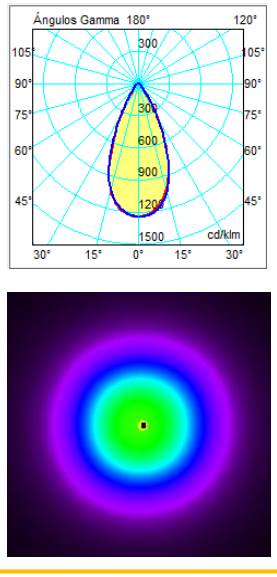
CAT



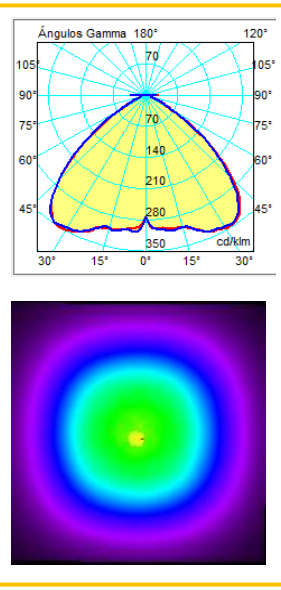
25º



50º



100º



FN

