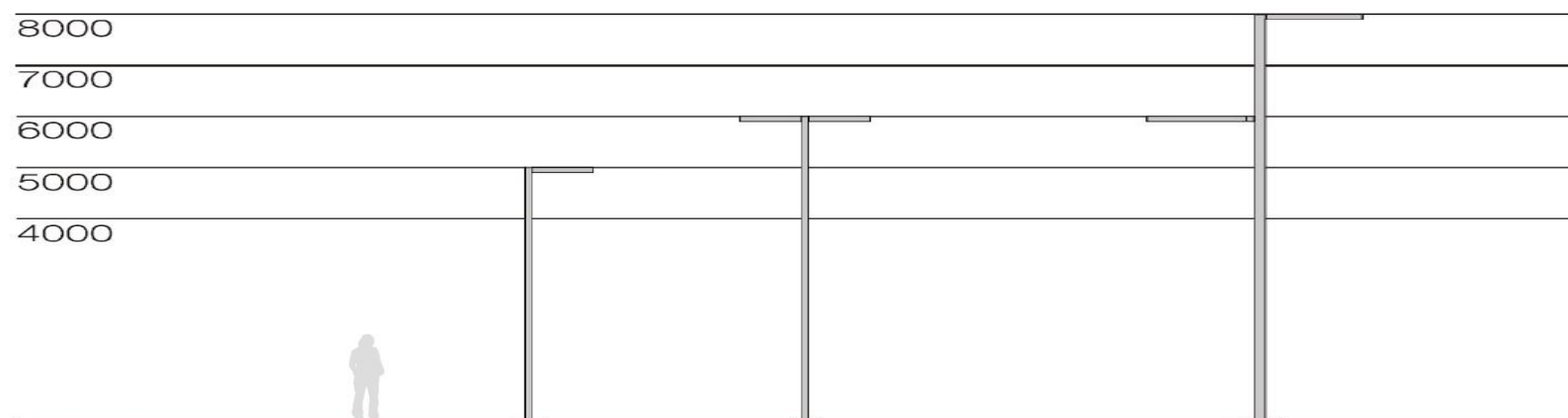


FILE LUMINAIRE TREX COLUMN DOUBLE





DESCRIPCIÓN:

The Trex Double luminaire is an advanced roadway lighting solution designed to deliver a combination of practicality and premium quality. Featuring multiple designs and various installation methods, this luminaire offers exceptional flexibility to adapt to a wide range of outdoor environments.



- Pressure die-cast aluminum housing, Super White tempered glass.
- PC lens optics providing high visual comfort and uniform light distribution.
- Philips Xitanium LP/FP – DALI driver, factory programmed.
- Surge protection up to 10 kV.
- Excellent accessibility.
- Family models: Trex Wall, Trex Column (single and double), and Trex Bollard.
- Polyester powder coating resistant to UV radiation and corrosion.
- No photobiological risk (no risk associated with infrared, blue light, or UV radiation) according to EN 62471:2008.
- Compatible with remote management systems.
- External screws made of 304 stainless steel.

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:

- | | |
|-----------|---------------------|
| • Avenues | • Commercial Areas |
| • Streets | • Residential Areas |
| • Roads | • Parking Lots |
| | • Gardens |

CHARACTERISTICS

Electrical Characteristics

- Supply Voltage..... 230 Vac
- Supply Frequency..... 47–63 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..... 100 W per arm
- Electrical Protection..... 6 kV (driver), optional 10 kV
- Thermal Protection..... Driver self-protected
- HF Output Current Ripple..... <4%
- Operating Temperature..... -40°C to +55°C
- Driver Diagnostics..... Active
- Driver Lifetime..... 100,000 hours
- Current Regulation ..Amplitude modulation (Flicker-free)

Mechanical Characteristics

- Material.... Corrosion-resistant aluminum alloy
- Lenses..... Polycarbonate / PMMA
- Weight..... 7.5 kg + 7 kg/m
- Color..... RAL 9005
- Diffuser..... Tempered flat glass
- Installation..... Column
- Mounting Fixation..... M8Ø10 bolts
- Wind-exposed Surface Area..... 0.2 m²/1 m + 0.02 m²

Dimming and Programming

- Dimming..... 1–10 V / DALI
- Autonomous Programming..... Up to 5 steps
- Point-to-Point Control..... Compatible
- Centralized Dimming..... Optional (AmpDim)
- Control Line..... Optional
- Bluetooth Dimming..... Optional

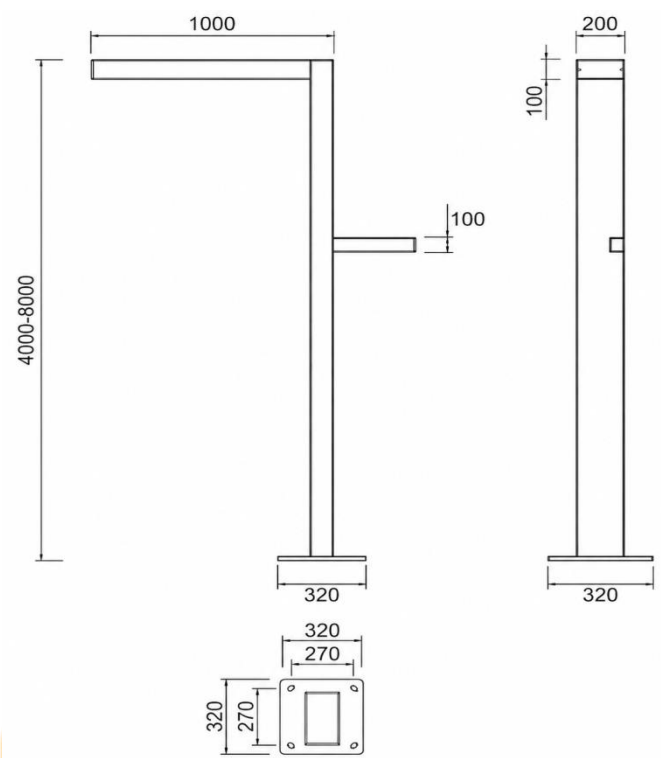
Options

- *SRI*.....Yes
- *Surge Protections*.....Yes
- *Connector*..... Nema / Zhaga
- *Sensors*.....Yes

Photometric Characteristics

- Light Source..... Philips FastFlex LED
- Number of LEDs..... 8 / 16 / 24 / 32 LEDs
- CRI..... CRI >70 / CRI >80
- Modularity..... Compatible with Zhaga Book 15
- Protection..... Yes
- Lens Efficiency..... >92%
- Optical Distributions..... More than 20 options
- LED Lifetime..... >100,000 hours
- LED Luminous Efficacy..... 208 lm/W
- Color Temperature..... 2200K / 2700K / 3000K
4000K / AMBER
- Overheating Protection... NTC 15 kOhm + 2000 Ohm
- ULOR (Upward Light Output Ratio)..... <0.1%
- Lumen Maintenance..... Linear programmed compensation over time (CLO)

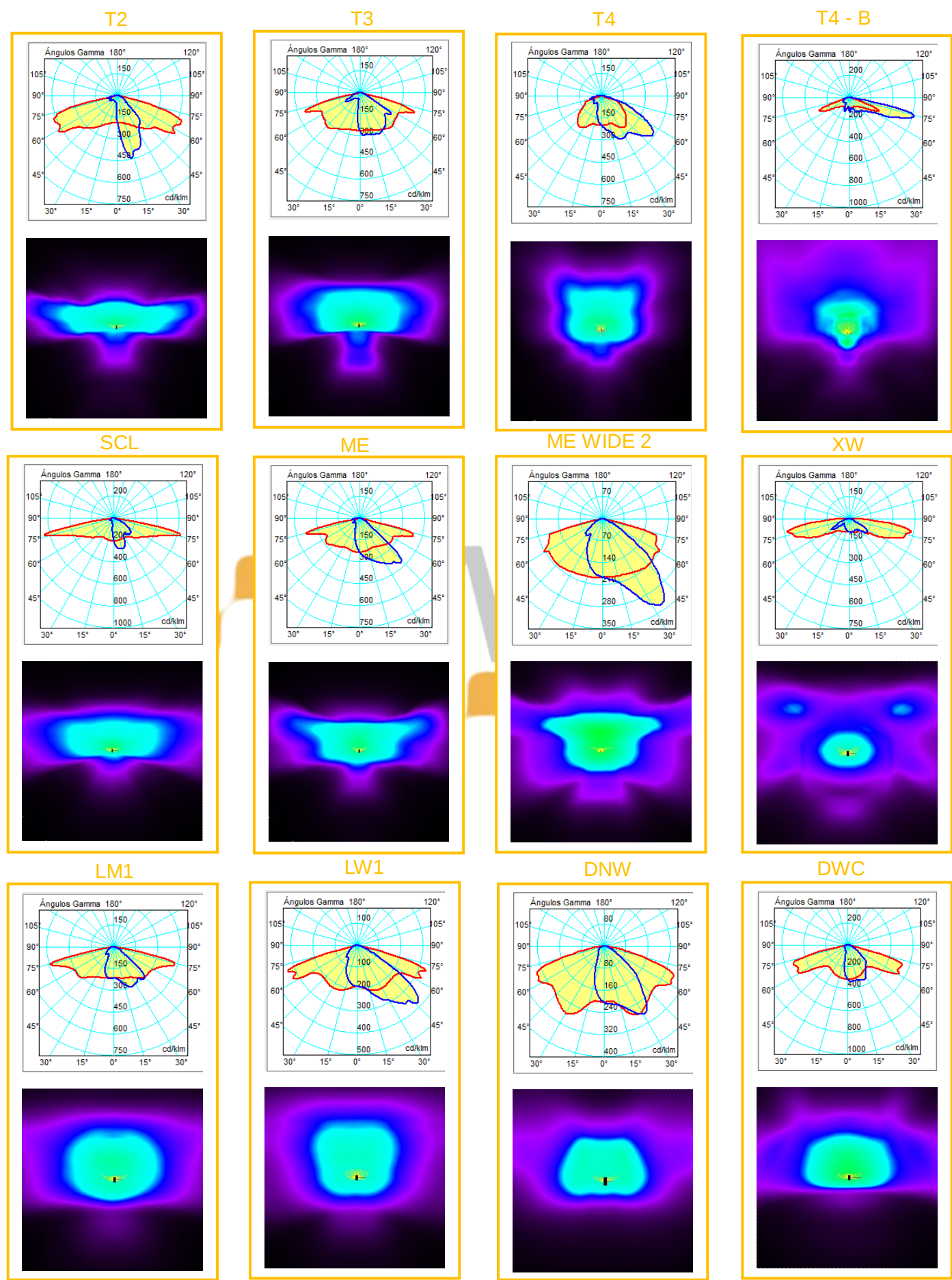
DIMENSIONS



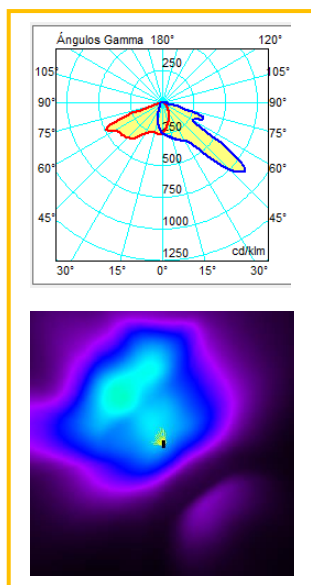
LIGHTING CONFIGURATION

	8 LEDS	16 LEDS	24 LEDS	32 LEDS
2200K	3078	4960	7440	7440
2700K	3159	5080	7680	7680
3000K	3780	6080	9180	9180
4000K	3807	6080	9180	9180
Power (W)	27	40	60	60

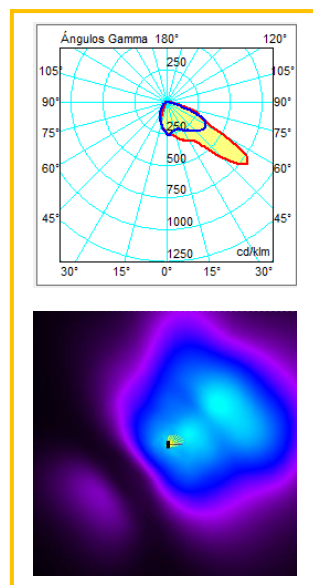
OPTICAL DISTRIBUTIONS



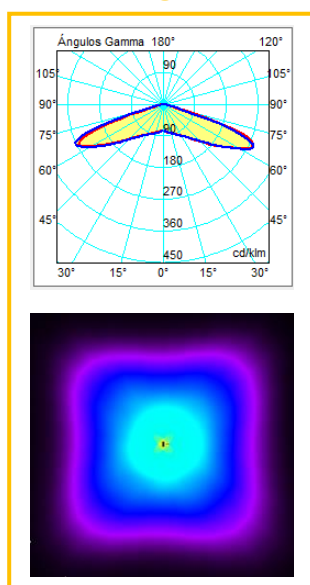
PX



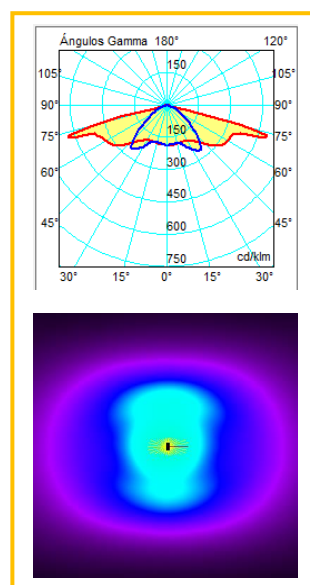
PXL



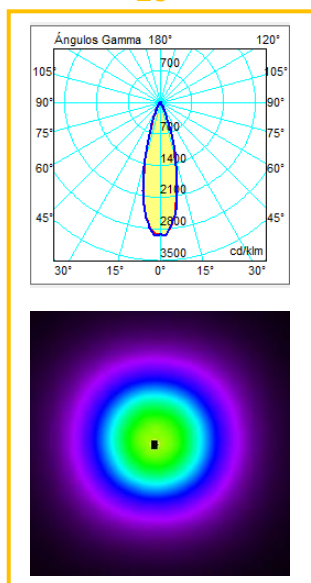
VSM



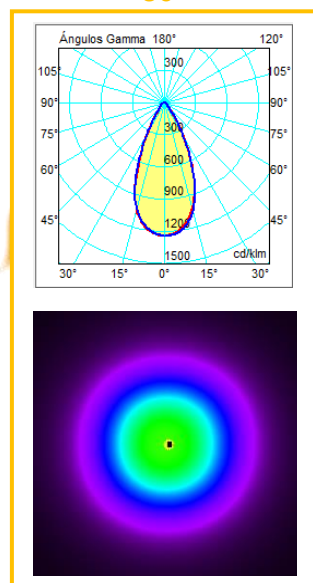
CAT



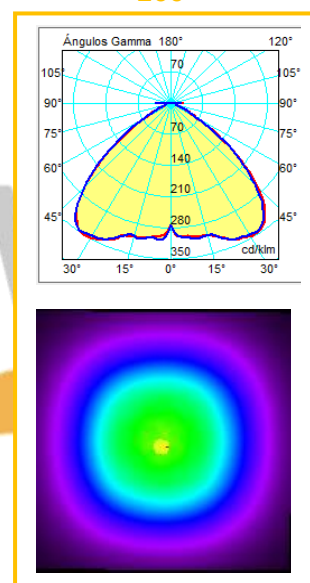
25°



50°



100°



FN

