

FILE OPTICAL MODULE TREX 16 LEDS



DESCRIPTION:

Innovative and efficient solution for upgrading existing luminaires to the latest LED technology without the need to replace the complete fixture. This unique solution delivers outstanding performance together with significant energy cost savings, allowing users to benefit from LED technology while avoiding excessive upfront investment.



- Die-cast aluminum housing with super-white tempered glass.
- PC lens optical system providing high visual comfort and uniform light distribution.
- Factory-programmed Philips Xitanium LP/FP DALI driver.
- Surge protection up to 10 kV.
- Available in multiple sizes and shapes.
- Luminaire-mounted installation, adaptable to a wide range of applications.
- UV-resistant and corrosion-resistant polyester powder coating.
- Photobiologically safe (no risk associated with infrared, blue light, or UV radiation) in accordance with EN 62471:2008.
- Compatible with remote lighting management systems
- External screws manufactured from AISI 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:

- | | |
|------------|---------------------|
| • Parks | • Commercial Areas |
| • Roadways | • Residential Areas |
| • Gardens | |

CHARACTERISTICS

Electrical Characteristics

- Supply voltage..... 230 Vac
- Supply frequency..... 47–63 Hz
- Power factor..... >0.97
- Electrical class..... Class I / Class II
- Programmable output current..... 0.2 – 1 A
- LF output current ripple..... <4%
- Constant Light Output (CLO)..... Available
- Driver..... Philips Xitanium Outdoor Prog.
- Power consumption..... 40 W
- Electrical protection..... 6 kV (driver), optional 10 kV
- Thermal protection..... Self-protected driver
- 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
- Colour..... RAL 9005
- Weight..... 1.25 kg
- Diffuser..... Flat tempered glass
- Installation..... Luminaire-mounted
- Wind-exposed surface area..... 0.0138 m²

Dimming and programming

- Dimming..... 1–10 V / DALI
- Autonomous programming Up to 5 dimming steps
- Point-to-point control Compatible
- Centralized control..... Optional (AmpDim)
- Control line..... Optional
- Bluetooth control..... Optional

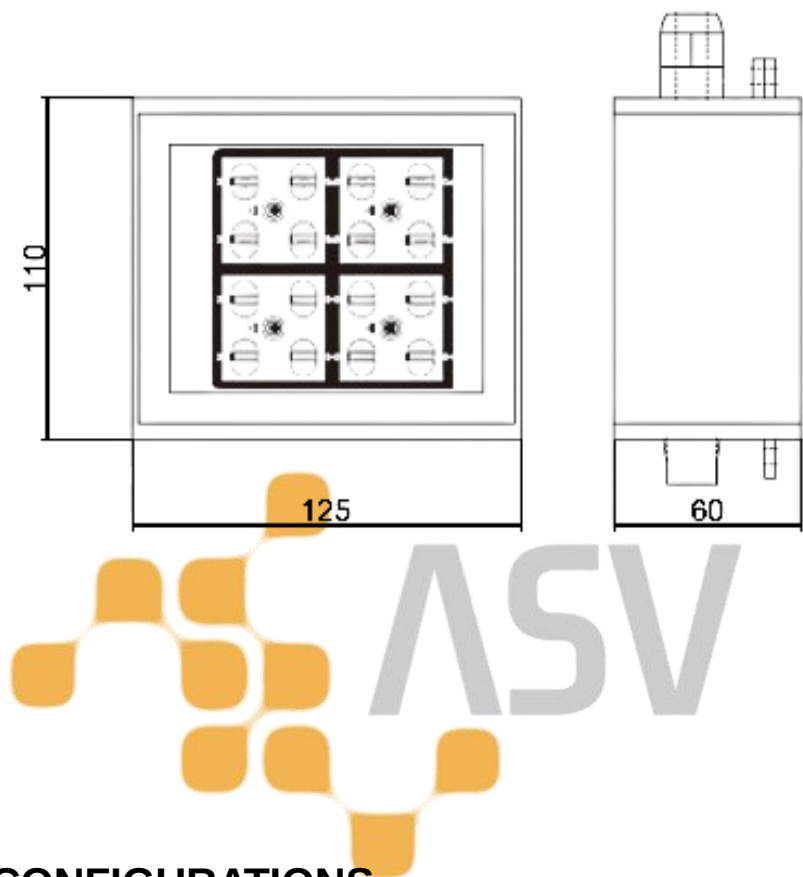
Options

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

Photometric Characteristics

- Light source..... Philips FastFlex LED
- Number of LEDs..... 16 LEDs
- LED luminous efficacy Up to 208 lm/W
- CRI..... CRI >70 / CRI >80
- Modularity..... Zhaga Book 15 compliant
- Protection..... Yes
- Lens efficiency..... >92%
- LED lifetime..... >100,000 hours
- Correlated colour temperature (CCT)..... 2200K / 2700K
3000K/4000K / Amber
- Thermal protection NTC 15 kΩ + 2000 Ω
- Optical distributions..... More than 20 available
- ULOR..... <0.1 %
- Lumen maintenance .. Linear Constant Light Output (CLO)
programming over time

DIMENSIONS



LIGHTING CONFIGURATIONS

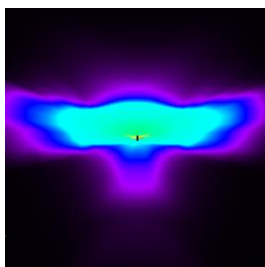
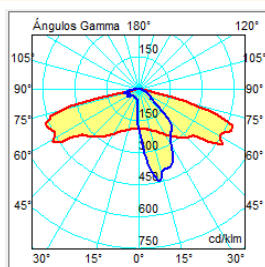
	2200K	2700K	3000K	4000K	Power (W)	Efficiency LED
16 LEDS	4960	5080	6080	6080	40	152

The values shown in the following tables are subject to slight variations depending on factors such as the optical distribution selected and the operating current of the luminaire.

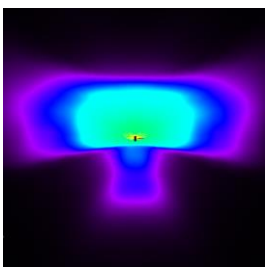
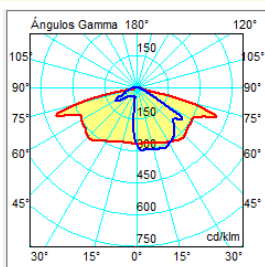
For alternative configurations or power ratings, please consult the factory.

OPTICAL DISTRIBUTIONS

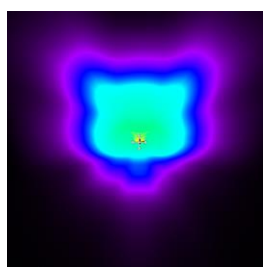
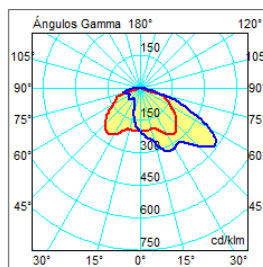
T2



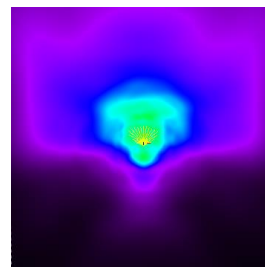
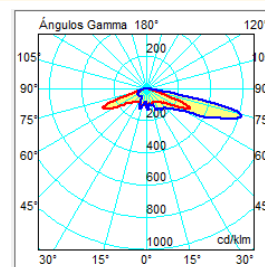
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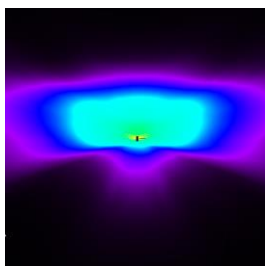
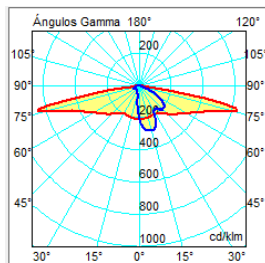
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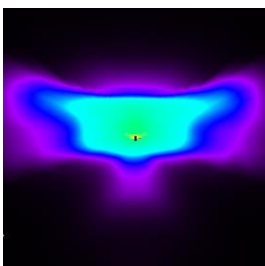
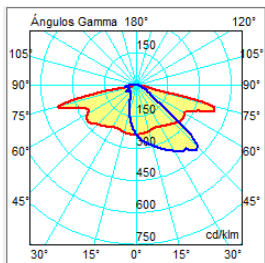
T4 - B



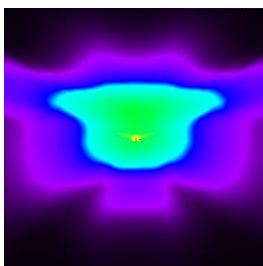
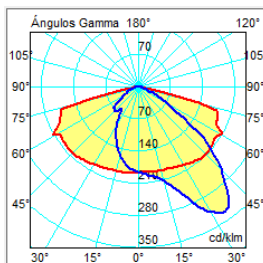
SCL



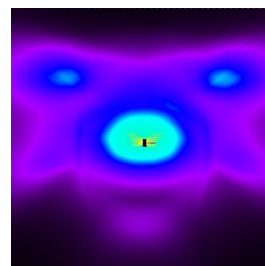
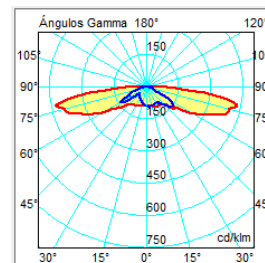
ME



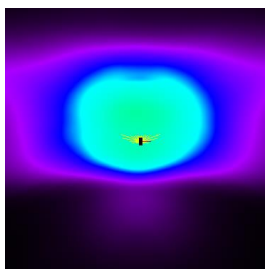
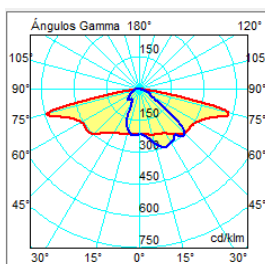
ME WIDE 2



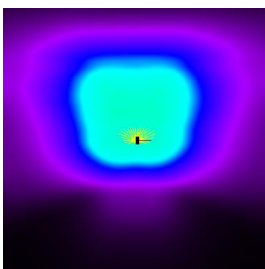
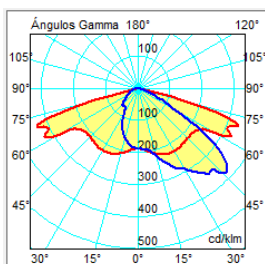
XW



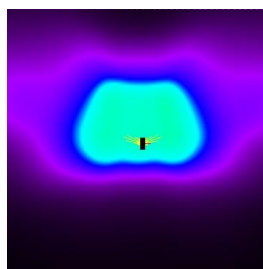
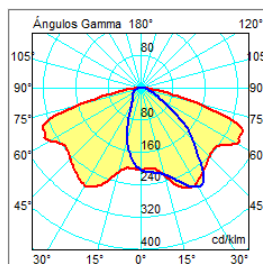
LM1



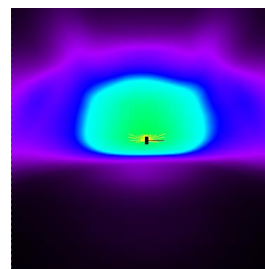
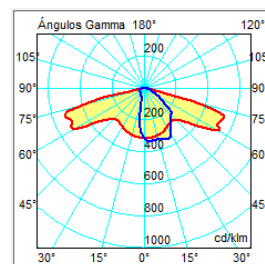
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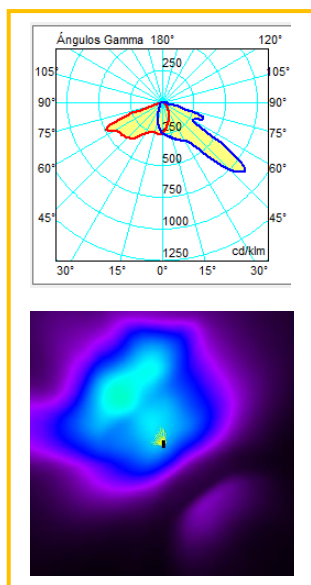
DNW



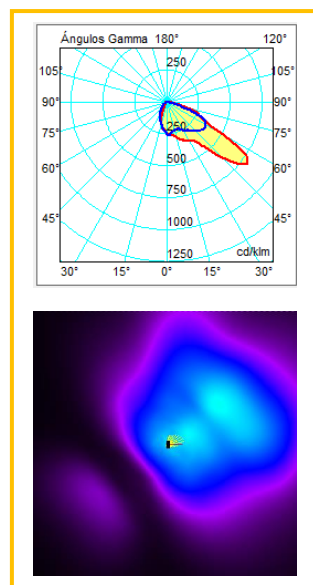
DWC



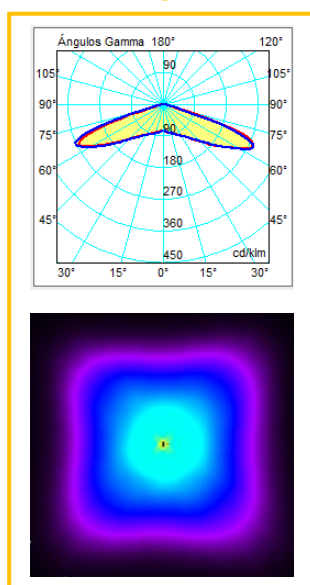
PX



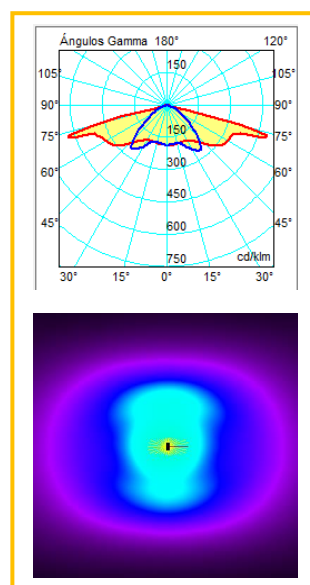
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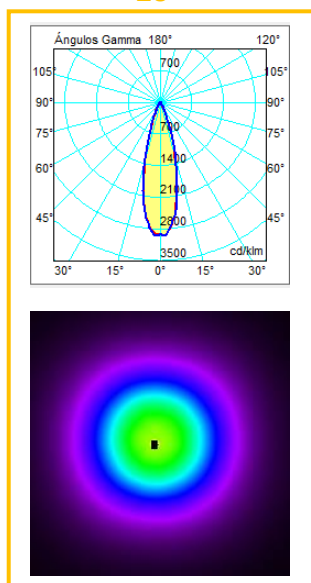
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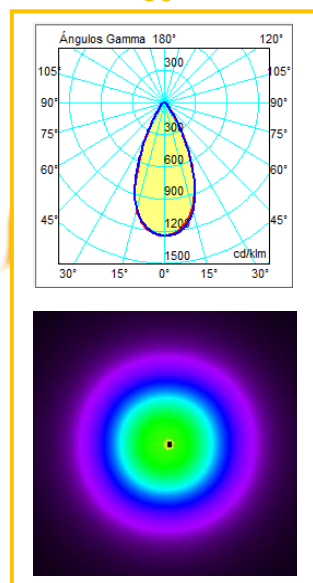
CAT



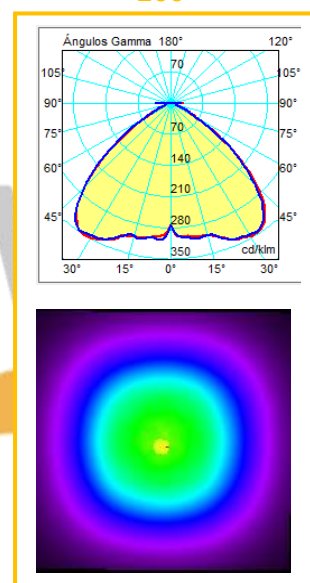
25°



50°



100°



FN

