

FILE LUMINAIRE FERNANDINO



DESCRIPTION

Classic lantern updated with state-of-the-art LED technology. This design evokes a sense of nostalgia and elegance that perfectly complements the urban environment. Its versatile configuration offers extensive possibilities, allowing the preservation of the municipality's historic center charm while meeting the highest technical standards.



- Die-cast aluminum housing with super white tempered glass.
- PC lens optics providing high visual comfort and uniform light distribution.
- Philips Xitanium LP/FP driver – DALI – factory programmed.
- Surge protection up to 10 kV.
- Classic design with a variety of mounting brackets and different installation methods.
- Excellent accessibility. Only one screw needs to be removed to open the fixture.
- Two installation options: post-top and wall-mounted. Installation diameter Ø26.5 mm.
- Polyester powder coating resistant to UV rays and corrosion.
- No photobiological risk (no risk associated with infrared, blue light, or UV radiation) in accordance with EN 62471:2008.
- External screws made of 304 stainless steel.

STANDARDS 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 | | |

Specially efficient in

- | | |
|----------------|---------------------|
| • Main Avenues | • Comercial Areas |
| • Streets | • Residential Areas |
| • Gardens | |

CHARACTERISTICS

ELECTRICAL CHARACTERISTICS

- Input voltage..... 230 Vac
- Input 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) Enabled on request
- Driver..... Philips Xitanium Outdoor Prog
- Power..... <75W
- 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
- Weight..... 10 kg
- Color..... RAL 9005
- Diffuser..... Flat tempered glass
- Installation..... Wall / Vertical
- Installation diameter..... - 26.5 mm
- Wind surface area..... 0.425 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
- *Protección sobretensiones*..... Yes
- *Connector*..... No Nema / Zhaga
- *Sensors*..... Yes

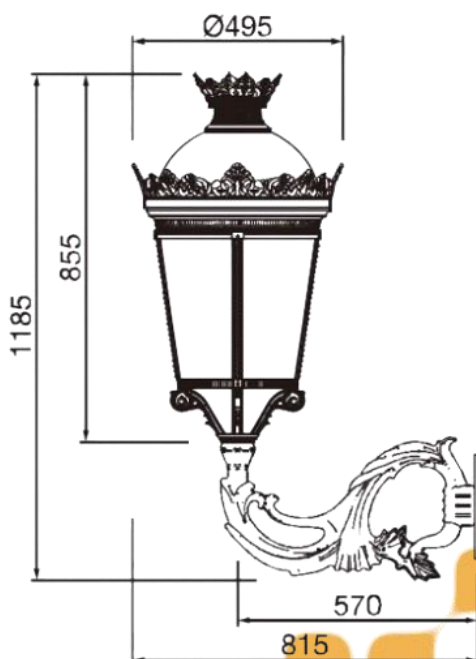
Photometric Characteristics

- Light source..... Philips FastFlex LED
- Number of LEDs..... 8 / 12 / 16 / 24 / 32 LEDs
- CRI..... CRI >70 / CRI >80
- Modularity..... Compatible with Zhaga Book 15
- Protection..... Yes
- Lens efficiency..... >92%
- Lumen maintenance..... Linear programmed over time (CLO)
- LED lifetime..... >100,000 hours
- Maximum 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%
- Optical distributions..... >20 different types

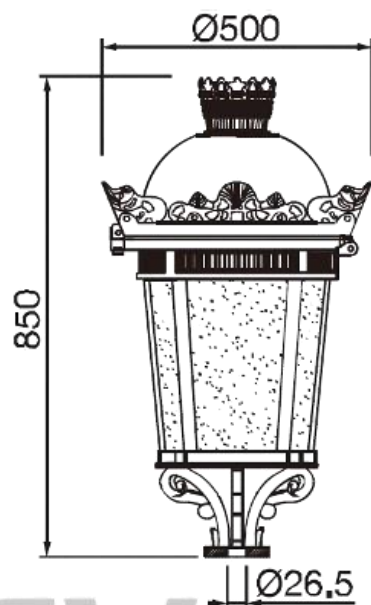
* For other configurations or required power ratings, please contact the factory.

DIMENSIONS

LATERAL INSTALACIÓN



COLUMN INSTALLATION



LIGHTING CONFIGURATION

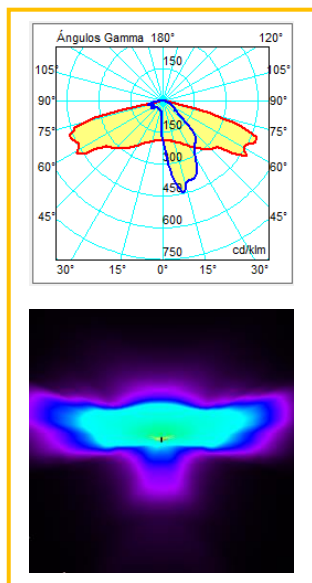
	8 LEDS	12 LEDS	16 LEDS	24 LEDS	32 LEDS
2200K	3078	4080	4960	7440	9525
2700K	3159	4216	5080	7680	9750
3000K	3780	5032	6080	9180	11700
4000K	3807	5066	6080	9180	11700
Power (W)	27	34	40	60	75
Efficiency (lm/W)	141	149	152	153	156

* The values shown in these tables are subject to slight variations resulting from factors such as the optics used in the luminaire or the adjusted operating current.

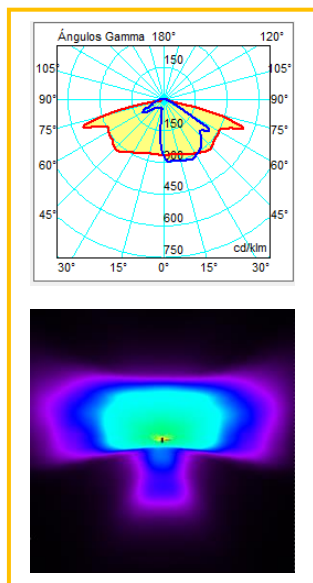
** For other lighting configurations and required power ratings, please contact the factory.

OPTICAL DISTRIBUTIONS

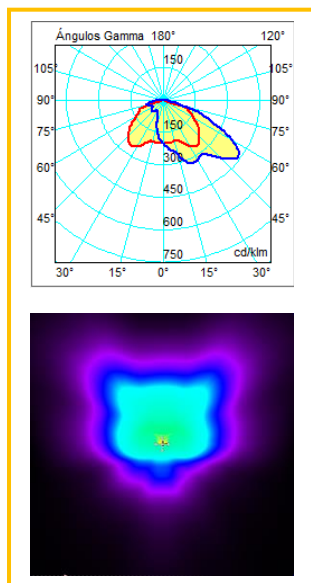
T2



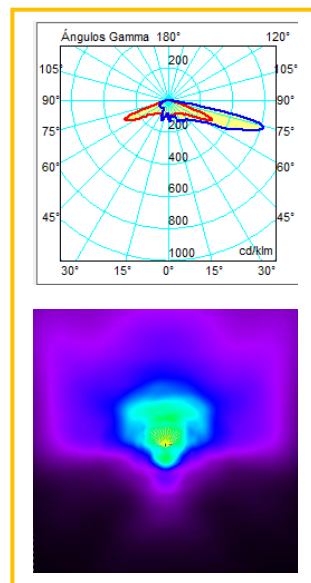
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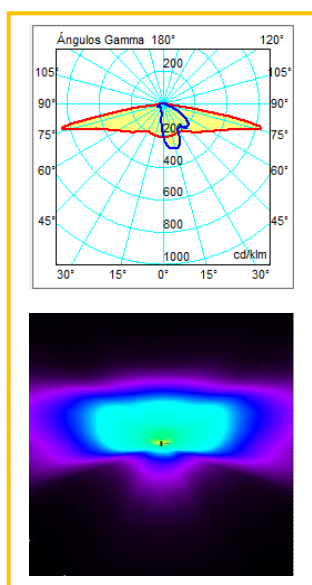
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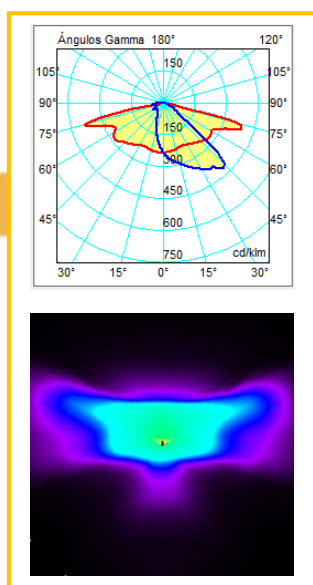
T4 - B



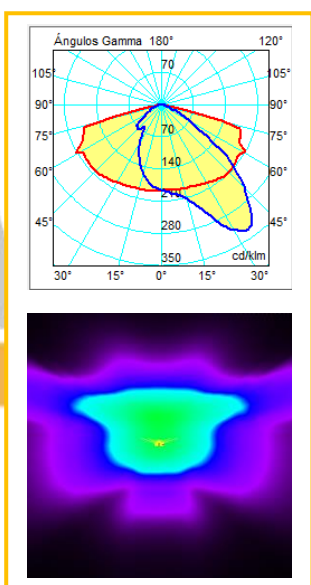
SCL



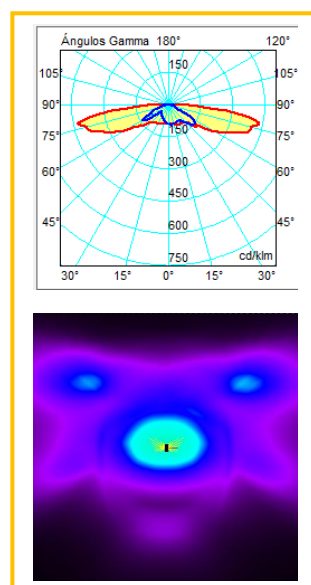
ME



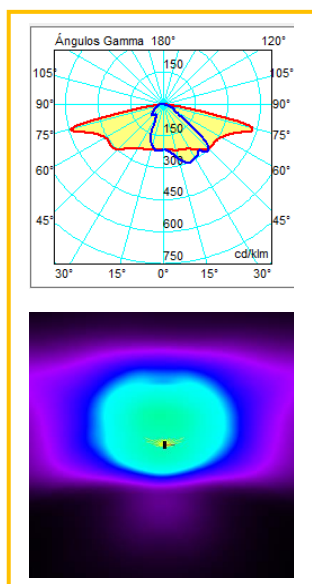
ME WIDE 2



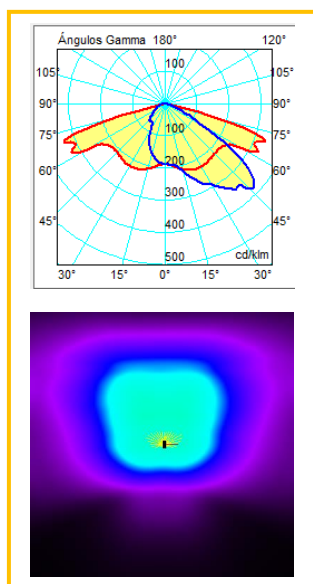
XW



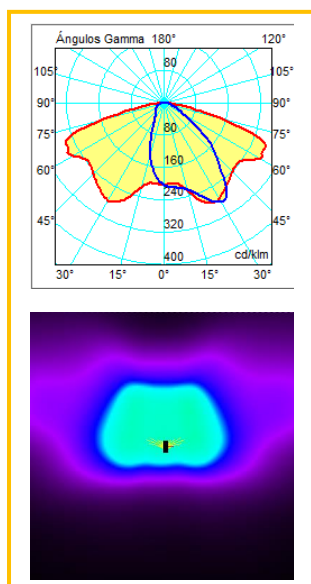
LM1



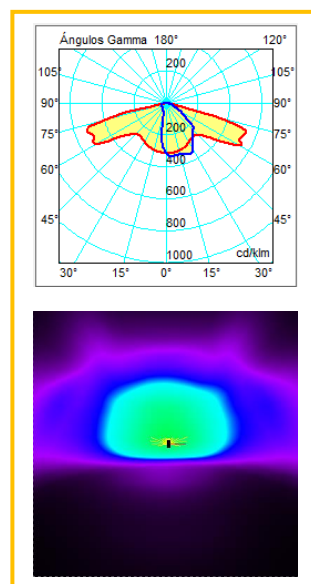
LW1



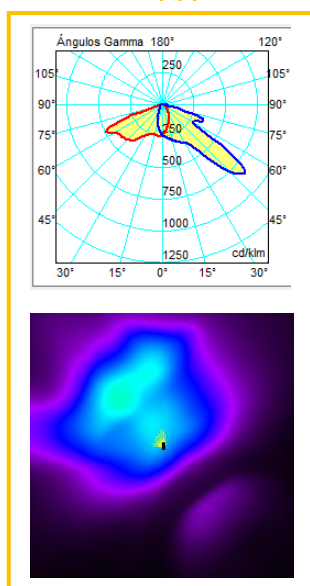
DNW



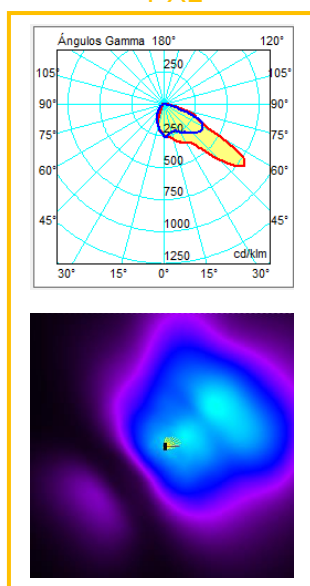
DWC



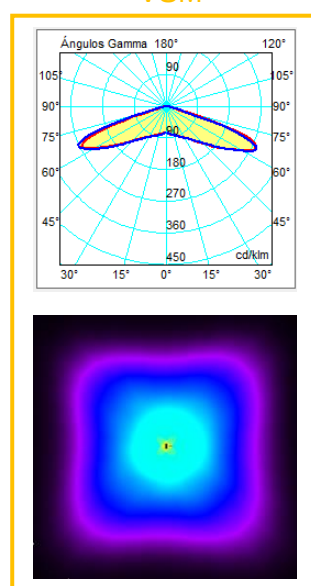
PX



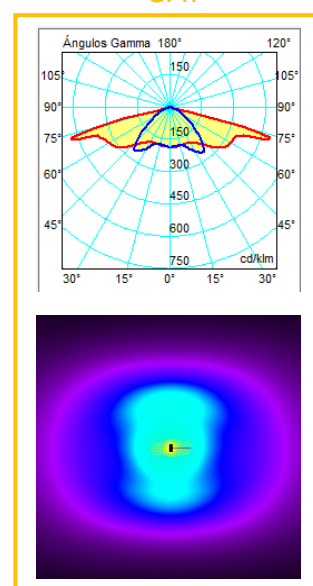
PXL



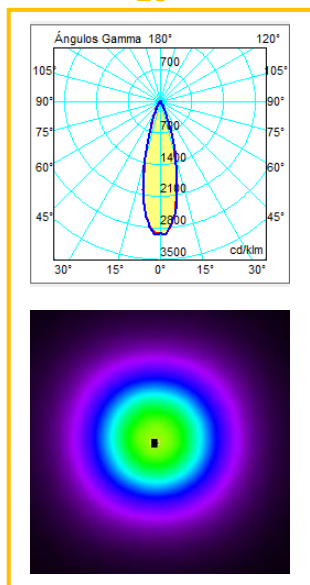
VSM



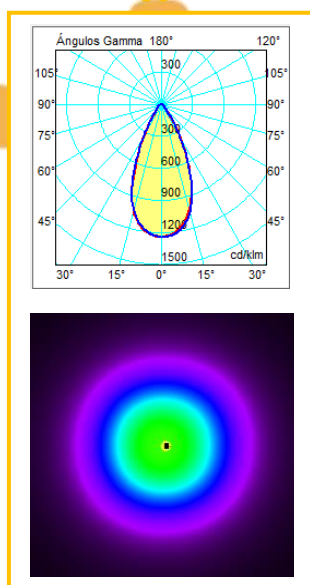
CAT



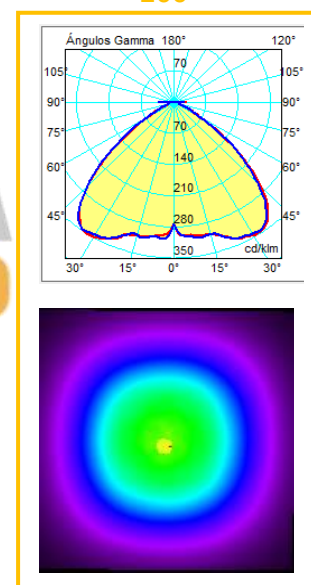
25°



50°



100°



FN

