**ITALO 2 OF3 HPO27 4.7-8M****MAIN CHARACTERISTICS**

<b>Applications</b>	Street lighting
<b>Optic</b>	HPO27: Asymmetrical optic for street lighting. Colour temperature: 4000 K, CRI: ≥70 Photobiological safety class: EXEMPT GROUP CIE Photometrical classification: Semi cut-off IES Photometrical classification: Full cut-off LED Source Efficiency: 141 lm/W @ 700 mA, Tj=85°C, 4000K
<b>Insulation class</b>	II
<b>Protection degree</b>	IP66 Total   IK09 Total
<b>LED Modules</b>	Removable / Replaceable
<b>Tilt angle</b>	Post-top: 0°, +5°, +10°, +15°, +20° Bracket: 0°, -5°, -10°, -15°, -20°
<b>Dimensions and weight</b>	See the drawing   max 12 kg
<b>Exposed surface</b>	Laterale: 0.08m <sup>2</sup> - Pianta: 0.3m <sup>2</sup>
<b>Mounting</b>	Bracket or post-top Ø60mm Ø33mm ÷ Ø60mm (on request)   Ø60mm ÷ Ø76mm (on request)
<b>Gear tray</b>	Removable / Replaceable on field
<b>Operating temperature</b>	-40°C / +50°C
<b>Storage temperature</b>	-40°C / +80°C
<b>Main reference standards</b>	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

**ELECTRICAL CHARACTERISTICS**

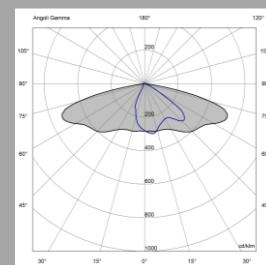
<b>Rated voltage</b>	220 ÷ 240 V - 50/60 Hz
<b>LED current</b>	700 mA
<b>Power factor @ full load</b>	>0,9
<b>On-load switch</b>	Included, with integrated cable clamp
<b>Mains connection</b>	For cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	Pulse withstand 10/9kV differential/common mode.
<b>Control system</b>	F: Fixed output DA: Automatic dimming with default profile. DAC: Custom DA profile. PLM: Single point power line communication.
<b>Optic unit lifetime (Ta=25°C)</b>	>50.000hr B20L80 (including critical failures) >70.000hr L80-TM21

**MATERIALS**

<b>Fixing</b>	Die-cast aluminum UNI EN 1706. Powder coated.
<b>Heat-sink</b>	Die-cast aluminum UNI EN 1706. Powder coated.
<b>Lower frame</b>	Die-cast aluminum UNI EN 1706. Powder coated.
<b>Upper canopy</b>	Die-cast aluminum UNI EN 1706. Powder coated.
<b>Closure hook</b>	Extruded aluminum with stainless steel spring
<b>Optic</b>	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
<b>Screen</b>	Flat tempered glass 4mm
<b>Cable gland</b>	M20x1,5 Plastic
<b>Gasket</b>	Polyurethane
<b>Colour</b>	Half-gloss satined grey. Cod. 2B

**8 LED MODULES**

<b>LUMINAIRE FLUX<sup>1</sup></b> (Ta=25°C, 4000K, lm)	<b>RATED LED FLUX<sup>2</sup></b> (Tj=85 °C, 4000K, lm)
14710	18620
<b>RATED LUMINAIRE POWER<sup>1</sup></b> (Ta=25°C, Vin=230Vac, W)	<b>RATED LED POWER<sup>2</sup></b> (Tj=85 °C, W)
139	133
<b>LUMINAIRE EFFICIENCY</b> (Ta=25°C, lm/W)	
106	



All the published photometrical data has been obtained according to EN 13032-1

Note: The characteristics of the product listed above are subjected to change. They will have to be confirmed in case of order.  
Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.

1: Rated data obtained in laboratory

2: Rated data extrapolated from LED manufacturer datasheet.