

## MOD 2.0 BOLLARD

### MAIN CHARACTERISTICS

<b>Applications</b>	Urban and architectural lighting.
<b>Optic</b>	S05: Asymmetrical optic for street, urban and green areas lighting. Colour temperature: 4000K (3000K optional)   CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 177 lm/W @ 350mA, Tj=85°C, 4000K
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66   IK08 total
<b>LED Modules</b>	Removable / Replaceable
<b>Dimensions</b>	See the table
<b>Weight</b>	MOD 2.0 BOLLARD 500 max 11.2 kg   MOD 2.0 BOLLARD 1000 max 19 kg
<b>Mounting</b>	Fixing with plate
<b>Gear tray</b>	Removable
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temp.</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



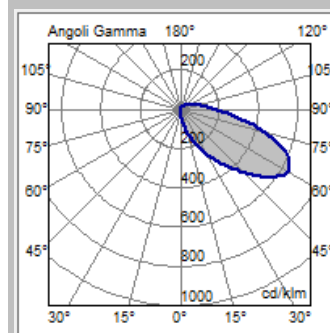
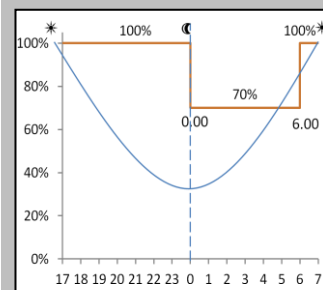
### ELECTRICAL CHARACTERISTICS

<b>Rated voltage</b>	220÷240V 50/60Hz
<b>Power factor</b>	>0,95 (at full load)
<b>Mains connection</b>	Cable H07RN-F 2/3x1.5mm <sup>2</sup> with connector M/F IP66/68 for cables max. 2.5mm <sup>2</sup>
<b>Surge protection</b>	Up to 10kV   With SPD (optional) 10kV / 10kV CM/DM
<b>SPD (optional)</b>	10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life.
<b>Control system (options)</b>	F: Fixed power not dimmable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. WL: Wireless single point communication system. DALI: Digital dimming interface DALI.
<b>Optical unit lifetime (Tq=25°C, 700mA)</b>	>100.000hr L90B10 >100.000hr L90, TM-21

### MATERIALS

<b>Heat-sink</b>	Die-cast aluminium UNI EN1706 powder painted.
<b>Optic</b>	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Aluminium grade class A+ (DIN EN 16268)
<b>Profile</b>	Extruded aluminim. Powder painted.
<b>Fixing plate</b>	Galvanized steel. Powder painted.
<b>Screen</b>	Flat tempered glass 5mm thickness satin.
<b>Cable gland</b>	Plastic M20x1.5 - IP68
<b>Gasket</b>	Polyurethane
<b>Colour</b>	Graphite - Cod. 01

### DA Profile



S05 Optic

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





LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX* (Tj=85°C, 4000K, lm)	RATED LED POWER* (Tj=85°C, W)
MOD 2.0 BOLLARD 0F2H1 S05 4.3-1M SAT	S05	350	1050	11	95	1521	9

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 3000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX* (Tj=85°C, 3000K, lm)	RATED LED POWER* (Tj=85°C, W)
MOD 2.0 BOLLARD 0F2H1 S05 3.3-1M SAT	S05	350	980	11	89	1414	9

\*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

\*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±5%.

The characteristics of the product listed above are subjected to change without notice.