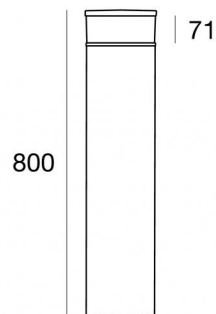




Bollard & Pole | 198-264 V
99 topLED 21 W DC - 23 W AC | CRI 80
64700W00



Technical data	
Type	Bollard
Installation position	Floor
Installation environment	Outdoor
Light Source	LED
Optics	Asymmetric 360°
Light emission direction	downward
Nominal power	21 W DC
Total Power	23 W
Source lumens	2673 lm
Voltage	198 - 264 V AC
CCT / Tone	3000 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	2
IP	IP66
IK	IK09
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	No
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	5.5 Kg
Electrostatic discharge protection	4 KV
Surge protection	0,5 KV

Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	Grey RAL 9006
Processing	Open pore anodizing + Powder Coating

Finishing diffuser

Material	Extra clear glass
Colour	transparent

Finishing base

Material	Aluminium 6060
Colour	Grey RAL 9006
Processing	Open pore anodizing + Powder Coating

Bollard & Pole | 198-264 V | 99 topLED 21 W DC - 23 W AC | CRI 80 | Base
64700W00

Single emission bollard & pole for outdoor application. The warm white LED light source with a asymmetric 360° light distribution is composed of 99 topLEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 2673 lm, with a 127.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a grey ral 9006 finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass. The ingress protection degree is IP66; the total weight is of 5.5 kg.

The total absorbed power is 23 W.

The device features protection class II and can be floor-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

This product contains a light source of energy efficiency class D.

Illuminotechnical Features

Light Output Ratio (LOR)	62 %
Source lumens	2673 lm
Delivered lumens	1679 lm
Consumption	23 W
Luminaire efficacy	73 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C

LED Life / Failure Ratio

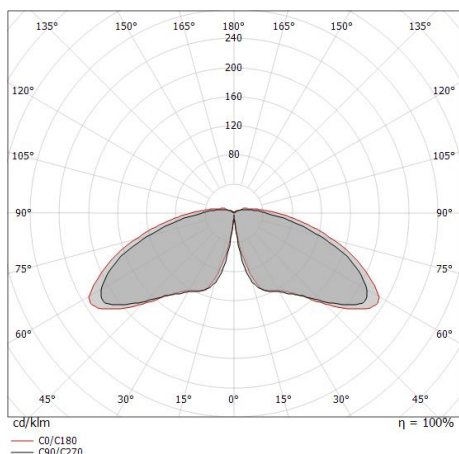
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	31.9
UGR transversal	32.7
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	154°
C0/C180 optics	158°
Light distribution simmetry	Symmetrical 2 assis



Distance [m]	Cone diameter [m]	illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	4.37 5.05	26 12 9	77.1°	78.8°	78.8°
1.0	8.73 10.10	7 3 2	77.1°	78.8°	78.8°
1.5	13.10 15.15	3 1 1	77.1°	78.8°	78.8°
2.0	17.46 20.20	2 1 1	77.1°	78.8°	78.8°
2.5	21.83 25.25	1 0 0	77.1°	78.8°	78.8°
3.0	26.20 30.30	1 0 0	77.1°	78.8°	78.8°

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 157.6°)
 — C90/C270 (Half-peak divergence: 154.2°)