Bollard from the TROLL family Polar.

DESCRIPTION

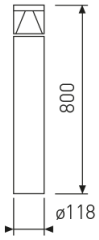
Bollard from the TROLL family Polar setting an advanced and innovative thermal balance system through passive dissipation with stable colour temperature of 3000º K (warm white) optimised to be used as lighting outdoor areas such as public squares, parks, gardens or outdoor areas of sport buildings. Designed for to be floor fixed. Luminaire body built in extruded aluminium finished in anthracite. Luminaire is IP65 and IK08. Luminaire built-in an high purity aluminium reflector with frontal opal diffuser with an angle beam of floor washer. Luminaire sets a 9 W LED source with CRI higher than 85 % and a chromatic dispersion lower than 3 SMCD. Fixture has a luminous flux of 521 Lm, with an efficiency of 57,9 Lm/W and a total consumption of 9 W. The average life for the luminaire is 35000 h (stabilised at a minimum flux of 70 % from the original). Luminaire built-in an auxiliary gear ON/OF fed at 220-240V; 50/60 Hz.

Item code	**11.7600.0033.22**
Product type	**OUT**
Category	**Bollards**
Family	**Polar**
Subfamily	**Polar**
Materials	**Luminaire body built in extruded aluminium.**
Optical system	**Luminaire built-in a high purity aluminium reflector with frontal opal diffuser.**
Installation instructions	**Luminaire designed for to be floor fixed.**
Pictograms	

Dimensions	
Product dimensions (mm)	**ø118 x 800**
Packing dimensions (mm)	**135 x 135 x 820**
Net weight (g)	**2700**
Gross weight (Kg)	**2,95**

Scheme

Scheme



Product	
Real power (W)	**9**
Real luminous flux (Lm)	**521**
Luminous efficiency (Lm/W)	**57,9**
Beam angle (º)	**100**
Life time (h)	**35000**
IP	**65**
IK	**8**
Electrical class insulation	**Class 1**
Operating temperature	**from -20°C to 40°C**
Electrical feeding	**220..240V, 50/60Hz**
Colour	**Anthracite**
Energy efficiency class	**A**

Control gear	
Control gear included	**Yes**
Control gear	**Electronic Control Gear**
Factor de potencia	**0,9**

Light source	
Light source included	**Yes**
Light source	**Led**
Nominal power (W)	**8**
Nominal luminous flux (Lm)	**800**
Colour temperature (K)	**3000**
Colour consistency (SDCM)	**3**
CRI	**80**

Photometry

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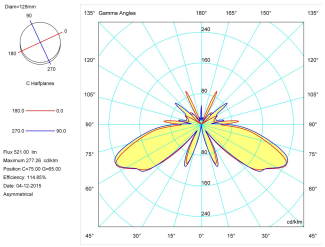
Diam=129mm
90
0
180
270
C Halfplanes
180.0
0.0
270.0
90.0
Flux 521.00 lm
Maximum 277.26 cd/klm
Position C=75.00 G=45.00
Efficacy: 114.85%
Date: 04-12-2015
Asymmetrical
135° Gamma Angles
180°
165°
150°
135°
240
160
80
0
80
160
240
120°
105°
90°
75°
60°
45°
30°
15°
0°
15°
30°
45°
cd/klm