Round format fix downlight from the TROLL family Beryl.

DESCRIPTION

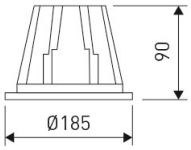
Round format fix downlight from the TROLL family Beryl setting an advanced and innovative thermal balance system through passive dissipation with stable colour temperature of 3000º K (warm white) optimised to be used as general indoor lighting for offices, hospitals commercial areas or residential & contract spaces. Designed for ceiling recessed installation. Luminaire body built in die-cast aluminium with matt polycarbonate frontal diffuser finished in white. Optical group is IP54 on the visible frontal area. Luminaire built-in an Polycarbonate opal diffuser with an angle beam of 80º. Luminaire sets a 24 W LED source with CRI higher than 80 % and a chromatic dispersion lower than 5 SMCD. Fixture has a luminous flux of 2253 Lm, with an efficiency of 98 Lm/W and a total consumption of 23 W. The average life for the luminaire is 50000 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	**11.1546.3248.33**
Product type	**IN**
Category	**Recessed Downlights**
Family	**Berylled O**
Subfamily	**Beryl**
Materials	**Luminaire body built in die-cast aluminium with matt polycarbonate frontal diffuser.**
Optical system	**Luminaire built-in a Polycarbonate opal diffuser.**
Installation instructions	**Luminaire designed for ceiling recessed installation.**
Pictograms	

Dimensions	
Product dimensions (mm)	**ø185 x 90**
Net weight (g)	**885**
Drilling hole (mm)	**Ø175**

Scheme

Scheme



Product	
Real power (W)	**23**
Real luminous flux (Lm)	**2253**
Luminous efficiency (Lm/W)	**98**
Beam angle (º)	**80**
Life time (h)	**50000**
IP	**54/20**
Electrical class insulation	**Class 2**
Operating temperature	**from -20°C to 35°C**
Electrical feeding	**220..240V, 50/60Hz**
Colour	**White**
Energy efficiency class	**A+**

Control gear	
Control gear included	**Yes**
Control gear	**Electronic Control Gear**
Factor de potencia	**0,98**

Light source	
Light source included	**Yes**
Light source	**Led**
Nominal power (W)	**21**
Nominal luminous flux (Lm)	**3000**
Colour temperature (K)	**3000**
Colour consistency (SDCM)	**5**
CRI	**80**

Photometry

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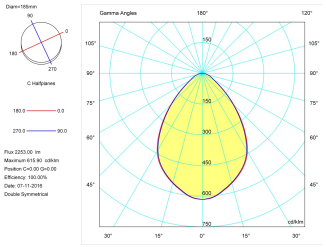
Diam=165mm
90
0
180
270
C Halfplanes
180.0
0.0
270.0
90.0
Flux 2253.00 lm
Maximum 615.80 cd/klm
Position C=0.00 G=0.00
Efficiency: 100.00%
Date: 07-11-2018
Double Symmetrical
Gamma Angles
180°
120°
105°
90°
75°
60°
45°
150
300
450
600
750
30°
15°
0°
cd/klm