Round format fix downlight from the TROLL family Beryl.

DESCRIPTION

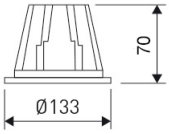
Round format fix downlight from the TROLL family Beryl setting an advanced and innovative thermal balance system through passive dissipation with stable colour temperature of 4000º K (neutral white) optimised to be used as general indoor lighting for offices, hospitals commercial areas or residential & 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 15 W LED source with CRI higher than 80 % and a chromatic dispersion lower than 5 SMCD. Fixture has a luminous flux of 1362 Lm, with an efficiency of 98 Lm/W and a total consumption of 13,9 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	11.1546.4158.33
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)	ø133 x 70
Net weight (g)	700
Drilling hole (mm)	Ø120

Scheme

Scheme



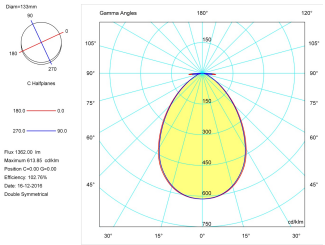
Product	
Real power (W)	13,9
Real luminous flux (Lm)	1362
Luminous efficiency (Lm/W)	98
Beam angle (º)	80
Life time (h)	50000
IP	54/20
Electrical class insulation	Class 2
Operating temperature	from -20°C to 35°C
Electrical feeding	220..240V, 50/60Hz
Colour	White
Energy efficiency class	A+

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)	12
Nominal luminous flux (Lm)	1500
Colour temperature (K)	4000
Colour consistency (SDCM)	5
CRI	80

Photometry

Photometry


Diam=153mm
90
0
180
270
C Halfplanes
180.0
0.0
270.0
90.0
Flux:1302.00 lm
Maximum:613.85 cd/klm
Position:C=0.00 G=0.00
Efficiency: 102.76%
Date: 16-12-2016
Double Symmetrical
Gamma Angles
180°
120°
105°
90°
75°
60°
45°
150
300
450
600
750
cd/klm
30°
15°
0°
15°
30°