



### Fixed circular Luminaire DOWNLIGHT from family BRIM by TROLL.

#### DESCRIPTION

Fixed round downlight from the TROLL family Brim setting an advanced and innovative thermal balance system through passive dissipation with stable colour temperature of 4000° K (cold white) optimised to be used as general & accent lighting for commercial areas shop-windows and different indoor spaces. Designed for ceiling recessed installation. Luminaire body built in die-cast aluminium finished in white. Luminaire is IP20. Luminaire built-in an primary reflector made of high purity aluminium plus an antiglare secondary reflector with an angle beam of 15°, 25° ó 50°. Luminaire sets a 15 W LED source with CRI higher than 85 % and a chromatic dispersion lower than 3 SMCD. Fixture has a luminous flux of 1050/970/950 Lm, with an efficiency of 66 Lm/W and a total consumption of 16 W. The average life for the luminaire is 50000 h (established at a minimum flux of 70 % from the original). Luminaire built-in an auxiliary gear ON/OFF at 220-240V; 50/60 Hz.

Item code	11.1111.XXXX.XX
Product type	IN
Category	Recessed Downlights
Family	Brim
Subfamily	Brim T1
Materials	Luminaire body built in die-cast aluminium.
Optical system	Luminaire built-in a primary reflector made of high purity aluminium plus an antiglare secondary reflector.
Installation instructions	Luminaire designed for ceiling recessed installation on roof from 1mm to 20 mm Hole diameter of installation Ø 78-80 mm Hole diameter of installation for trim less version: Ø 90 mm

#### Pictograms



Dimensions	
Product dimensions (mm)	ø82-91 x 161
Packing dimensions (mm)	227 x 155 x 1105
Net weight (g)	500
Gross weight (Kg)	0,623
Drilling hole (mm)	Ø78-90

Product	
Real power (W)	16
Real luminous flux (Lm)	1050/970/950
Luminous efficiency (Lm/W)	66
Beam angle (°)	10°/25°/50°
Life time (h)	50000
IP	20
Electrical class insulation	Class 1
Operating temperature	from -20 °C to 35 °C
Electrical feeding	220..230V, 50/60Hz
Energy efficiency class	A

Control gear	
Control gear included	Yes
Control gear	Electronic Control Gear
Factor de potencia	0,95
Harmonic distortion (%)	< 20

Light source	
Light source included	Yes
Light source	Led
Nominal power (W)	15
Nominal luminous flux (Lm)	1365
Average life time (h)	50000
Colour temperature (K)	4000
Colour consistency (SDCM)	3
CRI	80

Options	
Led engine	1100



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Reflectors

- 10 = 10°
- 25 = 25°
- 50 = 50°



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Secondary reflector

- 0 = Witout reflector
- 1 = Grey
- 2 = Golden
- 3 = White
- 4 = Black
- 7 = Bright aluminium



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Trim

- 1.02 = Golden basic
- 1.04 = Black basic
- 1.21 = Grey basic
- 1.33 = White basic
- 2.33 = White trimless
- 3.02 = Golden symmetric
- 3.04 = Black symmetric
- 3.21 = Grey symmetric
- 3.33 = White symmetric
- 4.02 = Golden eccentric
- 4.04 = Black eccentric
- 4.21 = Grey eccentric
- 4.33 = White eccentric



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Accessories

11.1200.0001.00	Protection glass.
11.1200.0003.00	Anti glare honeycomb.