



#### 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                    |

### 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 a 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 fed 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



#### 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. |