



BEGA 51211.1 LED Ceiling Luminaire Instruction Manual

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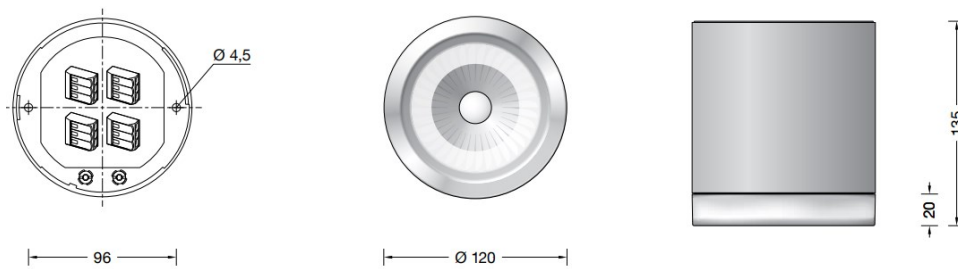
BEGA 51211.1 LED Ceiling Luminaire Instruction Manual



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Ceiling luminaire · downlight for indoor use



Instructions for use

Application

Ceiling luminaire downlight · indoor luminaire with symmetrical wide beam light distribution.

Product description

- Aluminium alloy housing, finish Colour velvet white
- Crystal glass, partially satin matt, with screw neck
- Light-diffusing silicone lens
- Reflector made of pure anodised aluminium 2 mounting holes \varnothing 4.5mm
- Distance apart 96mm Connecting terminals 2.5@
- Earth conductor connection LED power supply unit 220-240 V x 0/50-60 Hz DC 176-275 V DALI-controllable
- Basic insulation is provided between the mains and control cables BEGA Thermal Control®
- Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
- Safety class I
- Impact strength IK06
- Protection against mechanical impacts < 1 joule



- – Conformity mark
- **Weight:** 1.3 kg

This product contains light sources of energy efficiency classes E

Safety

The installation and operation of this luminaire are subject to national safety regulations.

Installation and commissioning may only be carried out by a qualified electrician.

The manufacturer accepts no liability for damage caused by improper use or installation.

If subsequent modifications are made to the luminaire, the person responsible for these modifications shall be considered the manufacturer.

Over voltage protection

The electronic components installed in the luminaire are protected against overvoltage in accordance with DIN EN 61547.

To achieve an additional protection against e.g. transients, etc. we recommend separate overvoltage protection

components.

You can find them on our website at www.bega.com.

Lighting technology

Half beam angle 55°

Lamp

- **Module connected wattage:** 16.4 W
- **Luminaire connected wattage:** 19 W
- **Rated temperature:** $t_a=25\text{ °C}$
- **Ambient temperature:** $t_a\text{ max}=40\text{ °C}$

51 211.1K27

- **Module designation:** LED-0800/927
- **Colour temperature:** 2700 K
- **Colour rendering index:** CRI >90
- **Module luminous flux:** 2295 lm
- **Luminaire luminous flux:** 1432 lm
- **Luminaire luminous efficiency:** 75,4 lm/W

51 211.1K3

- **Module designation:** LED-0800/930
- **Colour temperature:** 3000 K
- **Colour rendering index:** CRI >90
- **Module luminous flux:** 2395 lm
- **Luminaire luminous flux:** 1495 lm
- **Luminaire luminous efficiency:** 78,7 lm/W

Installation

LED are high-quality electronic components!

Please avoid touching the light output opening of the LED directly during installation or revamping.

Remove mounting plate from the luminaire housing.

Unplug the earth conductor connection (plug contact).


Please note:

If the luminaire is to be mounted onto a metallic, electroconductive surface, it is mandatory to make sure that the mounting

surface is connected conductive to the earth conductor of the luminaire!

Lead the power connecting cable through the mounting plate.

Fix the mounting plate with enclosed or any other suitable fixing material onto the mounting surface.

Establish the earth conductor connection on the earthing screw () of the mounting plate.

Establish the earth conductor connection to the luminaire housing (plug contact).

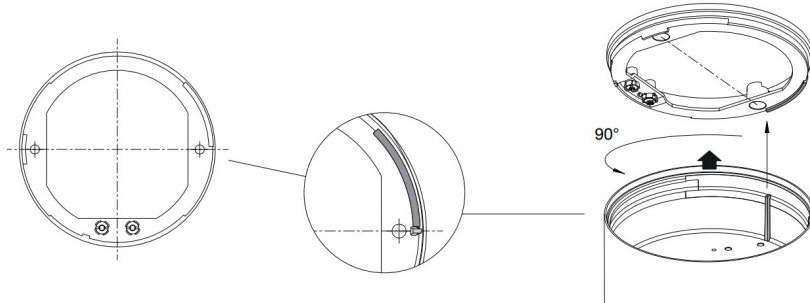
Push silicone sleeves over the lines and establish the electrical connection to the terminals marked (L) and (N).

The two connecting terminals marked DA, DA are provided for digital control purposes. If these terminals are not assigned, the luminaire will work with full light output.

IMPORTANT:

To ensure secure connection, the luminaire housing must be positioned precisely in relation to the mounting plate. Make sure that the vertical bar inside the luminaire housing is positioned precisely in the area of the mounting hole on the long bar of the mounting plate.

Press the luminaire housing firmly against the mounting plate and turn it clockwise firmly against the stop.



Open luminaire:

Unscrew glass from luminaire housing by turning it counter-clockwise.

To prevent the luminaire from turning on the mounting plate, hold the luminaire housing in place with one hand.

Cleaning · Maintenance

Clean luminaire regularly with solvent-free cleansers from dirt.

Replacement of the LED module

The designation of the LED module is noted on a label in the luminaire.

The light colour and light output of BEGA replacement modules correspond to those of the modules originally fitted.

The module can be replaced by qualified persons using standard tools.

Disconnect the system and open the luminaire.

Please follow the installation instructions for the LED module.

Defective glass must be replaced. Close the luminaire

Spares

Spare glass: 11 003 417 10MRG

LED power supply unit: DEV-0402/490i

LED module 2700 K: LED-0800/927

LED module 3000 K: LED-0800/930

Reflector: 76 001 658M

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References

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