BEGA 84217K4 Performance Floodlight Instruction Manual

Contents

BEGA

BEGA 84217K4 Performance Floodlight

Product Information

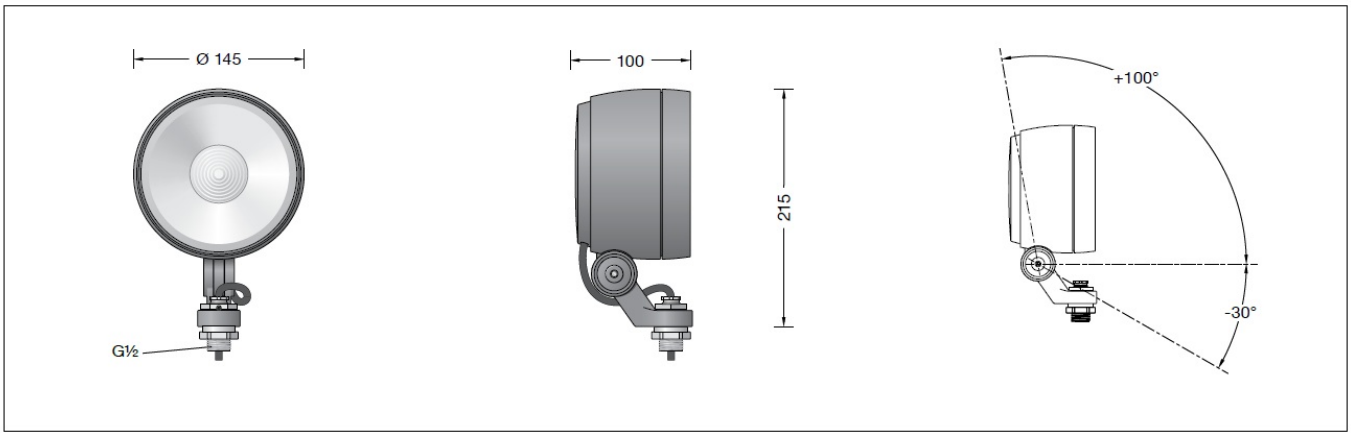
Specifications

- Lamp Module connected wattage: 16.8 W
- Luminaire connected wattage: 19 W
- Rated temperature: 25°C to 50°C
- Ambient temperature: 25°C to 50°C
- Colour temperature: 4000 K (LED-0800/940)
- Colour rendering index (CRI): > 90
- Module luminous flux: 2480 lm
- Luminaire luminous flux: 1942 lm
- Luminaire luminous efficiency: 102.2 lm/W

FAQ (Frequently Asked Questions)
Q: Can I install the luminaire myself?
A: No, only a qualified electrician should carry out the installation and commissioning to ensure compliance with safety regulations.

Q: Where can I find additional overvoltage protection components?
A: Additional overvoltage protection components are available on the manufacturer's website at www.bega.com

Performance floodlight



Instructions for use

Application

- Performance floodlight with G½ mounting bush.
- The floodlight can be bolted together with any female thread G½ according to ISO 228 supplied by others or to BEGA accessories. For a variety of interior and exterior lighting applications.

Product Description

- Luminaire made of aluminium alloy, aluminium and stainless steel
- BEGA Unidure® coating technology
- Colour graphite or silver
- Clear safety glass
- Silicone gasket
- Reflector surface made of pure aluminium Optical silicone lens · BEGA Hybrid Optics® Rotation range of floodlight 350°
- Swivel range -30°/+100°
- Mounting bracket with G½ threaded connection
- Thread length: 11 mm
- Connecting cable X05BQ-F 5 G 1 mm²
- Cable length 1 m
- Complies with flicker requirements in accordance with IEEE 1789,
- DIN IEC/TR 63158, DIN IEC/TR 61547-1 LED power supply unit
- 220-240 ~ x 0/50-60 Hz
- DC 176-276 V
- DALI-controllable
- Number of DALI addresses: 1
- 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
- Protection class IP 65
  Dust-tight and protection against water jets Impact strength IK08
- Protection against mechanical
- impacts < 5 joule
- 10 Safety mark
- CE Conformity mark
- Wind catching area: 0.02 m²
- Weight: 1.8 kg
- This product contains light sources of energy efficiency class(es) 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 t the luminaire, the person responsible for these modifications shall be considered the manufacturer.

Overvoltage 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**

Lamp

- Module connected wattage 16.8 W
- Luminaire connected wattage 19 W
- Rated temperature ta = 25 °C
- Ambient temperature ta max = 50 °C

84 217 K4

- Module designation LED-0800/940
- Colour temperature 4000 K
- Colour rendering index CRI > 90
- Module luminous flux 2480 lm
- Luminaire luminous flux 1942 lm
- Luminaire luminous efficiency 102,2 lm / W

84 217 K3

- Module designation LED-0800/930
- Colour temperature 3000 K
- Colour rendering index CRI > 90
- Module luminous flux 2440 lm
- Luminaire luminous flux 1911 lm
- Luminaire luminous efficiency 100,6 lm / W

Light technique

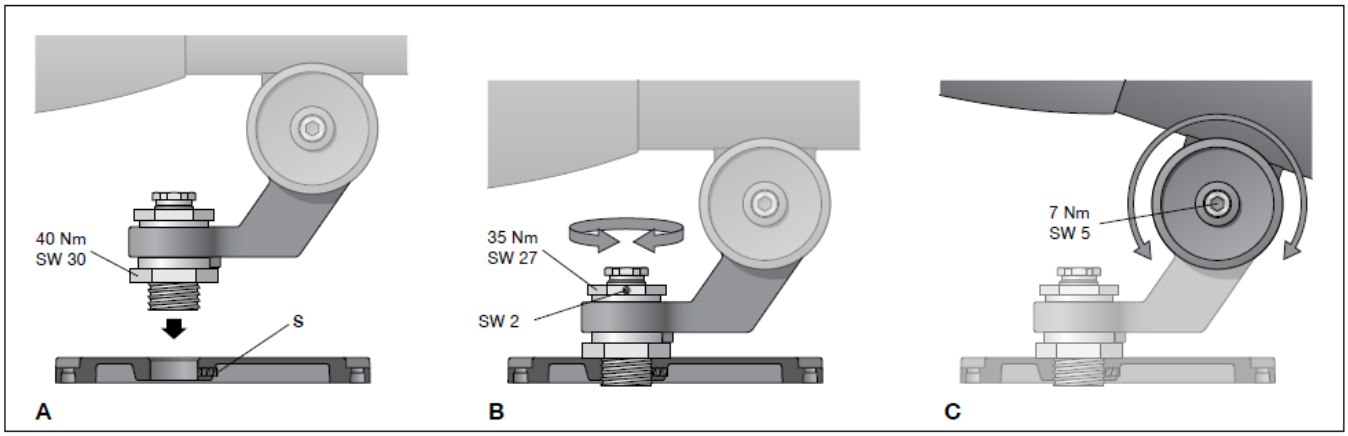
Symmetrical wide beam light distribution
Half beam angle 46°
For special lighting applications, the symmetrical light cone can be changed to a flat beam using an additional diffuser lens.

Installation
Screw the floodlight G½ threaded connection firmly into the on-site G½ female thread or BEGA accessory. G½ threaded connection torque = 40 Nm. Secure the screw connection from loosening on site (if provided with locking screw S, see fig. A).

Check the earth conductor connection between the G½ threaded connection and the on-site G½ female thread.

Adjust floodlight:
Undo hexagon socket screw (wrench
size 5 mm) and hexagon nut (wrench
size 27 mm) and set the desired beam direction (see sketch B, C).

Torque:
Hexagon socket screw = 7 Nm
Hexagon nut = 35 Nm
Secure bolted connection Gß against loosening by tightening the hexagon socket screws (wrench size 2 mm).



The electrical connection must be carried out with matching protection class and safety class, strain-relieved, with suitable connection terminals (not included in the scope of delivery) at the luminaire power supply cable.
Note correct configuration of the mains supply cable. The earth conductor is connected at the green-yellow (1), the phase to the brown (L), and the neutral conductor to the blue (N) marked wire.
The connection of the control cables is achieved by means of the both leads marked with DALI. In case these leads are not used the luminaire will be operated at full light output.

Cleaning · Maintenance

- Clean the luminaire regularly with solvent-free cleansers from dirt and deposits.
- Do not use high-pressure cleaners.

Please note:

- Do not remove the desiccant bag from the luminaire housing.
- It is needed to remove residual moisture.

Replacing 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.

Open the floodlight:

- Undo locking pin (hexagon socket head wrench size 2.5 mm) on the back side of the floodlight housing.
- Remove the trim ring along with the safety glass and reflector by twisting it counterclockwise.
- Replace LED module.
- Please follow the installation instructions for the LED module.
- Inspect and, if necessary, replace the luminaire gaskets.
- The defective glass must be replaced.
- Place trim ring with glass and reflector on the floodlight housing in such a way that the notches in the trim ring and floodlight housing align on top to each other.
- Twist on the trim ring clockwise as far as the stop. Tighten locking pin.

Accessories

- 71 118 Shield
- 71 120 Exchangeable lens flat beam
- 70 214 Pole cap for pole ø 48 mm
- 70 248 Pole cap for pole ø 60 mm
- 70 245 Mounting box
- 70 252 General fastener
- 70 280 Tube clamp G½
- 70 283 Screw clamp
- 70 379 Cross beam G½
- 70 889 Tension belt

For the accessories a separate instructions for use can be provided upon request.

Spares

- Spare glass with frame graphite 25 000 097
- Spare glass with frame silver 25 000 098
- LED power supply unit DEV-0475/500
- LED module 3000 K LED-0800/930
- LED module 4000 K LED-0800/940
- Reflector 76 001 853
- Gasket housing 83 000 521
- Gasket trim ring 83 001 952

BEGA Gantenbrink-Leuchten KG · Postfach 31 60 · 58689 Menden · info@bega.com · www.bega.com

Documents / Resources

	**BEGA 84217K4 Performance Floodlight** [pdf] Instruction Manual 84217K4 Performance Floodlight, Performance Floodlight, Floodlight

References

- BEGA **BEGA · Das gute Licht.**
- **User Manual**