



BEGA 84548K4 Performance Floodlight Instruction Manual

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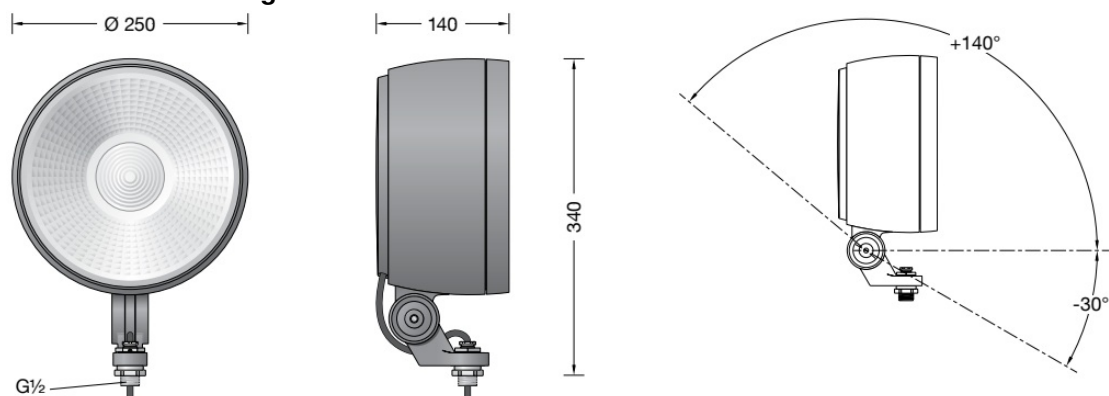
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Technical amendments reserved

Performance floodlight



Instructions for use

Application

Performance floodlight with $G\frac{1}{2}$ mounting bush.

The floodlight can be bolted together with any female thread $G\frac{1}{2}$ according to ISO 228 supplied by others or to BEGA accessories.

For a variety of interior and exterior lighting applications.

Product description

Luminary made of aluminium alloy, aluminium and stainless steel

BEGA Uninsured® 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 $-30^\circ/+140^\circ$

Mounting bracket with $G\frac{1}{2}$ threaded connection

Thread length: 11mm

Connecting cable X05BQ-F 5G1mm² Cable length 1m

Complies with flicker requirements in accordance with IEEE 1789, DIN IEC/TR 63158, DIN IEC/TR 61547-1

LED power supply unit

220-240 V x 0/50-60 Hz DC 176-280 V

During DC operation the LED power is reduced to 15% DALI-controllable

Number of DALI addresses: 1

Basic insulation is provided between the mains and control cables BEGA Thermal Control®

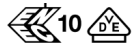
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire

Safety class I

Protection class IP 65

Dust-tight and protection against water jets Impact strength IK08

Protection against mechanical impacts < 5 joule



Safety mark



Conformity mark

Wind catching area: 0.05 m²

Weight: 5.4 kg

This product contains light sources of energy efficiency class(es) D

Over voltage protection

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

To achieve an additional protection against e.g. transients, etc. we recommend separate over voltage protection components.

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

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.

Lamp

Module connected wattage: 71.1 W

Luminary connected wattage: 77.2 W

Rated temperature: ta=25 °C

Ambient temperature: ta max=25 °C

84 548K4

Module designation: LED-0442/940

Colour temperature: 4000 K

Colour rendering index: CRI >90

Module luminous flux: 10710 lm

Luminaire luminous flux: 8270 lm

Luminaire luminous efficiency: 107,1 lm/W

84 548K3

Module designation: LED-0442/930

Colour temperature: 3000 K

Colour rendering index: CRI >90

Module luminous flux: 10550 lm

Luminaire luminous flux: 8146 lm

Luminaire luminous efficiency: 105,5 lm/W

Lighting technology

Symmetrical narrow beam light distribution Half beam angle 27°

For special lighting applications, the symmetrical light cone can be changed to a flat beam using an additional diffuse lens.

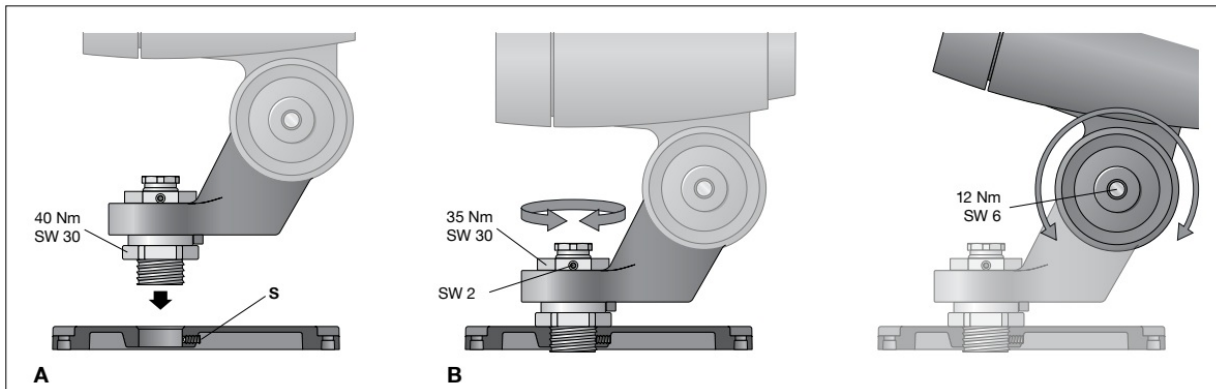
Installation

Screw the floodlight G $\frac{1}{2}$ threaded connection firmly into the on-site G $\frac{1}{2}$ female thread or BEGA accessory.

G $\frac{1}{2}$ threaded connection torque = 40Nm.

Secure the screw connection from loosening on site (if provided with locking screw **S**, see **fig. A**).

Check the earth conductor connection between the G $\frac{1}{2}$ threaded connection and the on-site G $\frac{1}{2}$ female thread.



Adjust floodlight:

Undo hexagon socket screw (wrench size 6 mm) and hexagon nut (wrench size 30 mm) and set the desired beam direction.

Torque:

Hexagon socket screw = 12 Nm

Hexagon nut = 35 Nm

Secure bolted connection G $\frac{1}{2}$ against loosening by tightening the hexagon socket screw (wrench size 2 mm, see sketch **B**).

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 (\oplus), 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 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.

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

71 072; Shield

71 073; Louvre

71 074; 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

It is not possible to use a combination of louvre and diffuse disk.

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

Spares

Trim ring graphite with glass: 25 000 195

Trim ring silver with glass: 25 000 196

LED power supply unit: DEV-0300/1400i

LED module 3000 K: LED-0442/930

LED module 4000 K: LED-0442/940

Reflector: 76 001 773G

Gasket housing: 83 001 780

Gasket trim ring: 83 002 145

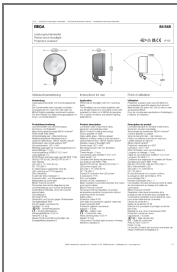
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Documents / Resources



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84548K4, 84548K3, 84548K4 Performance Floodlight, 84548K4, Performance Floodlight, Flood light

References

- BEGA **[BEGA · Das gute Licht.](#)**
- **[User Manual](#)**

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