



## **BEGA 85 239 Performance Floodlight with Minimal Diffuse Light Instruction Manual**

[Home](#) » [BEGA](#) » BEGA 85 239 Performance Floodlight with Minimal Diffuse Light Instruction Manual 

**BEGA 85 239 Performance Floodlight with Minimal Diffuse Light**

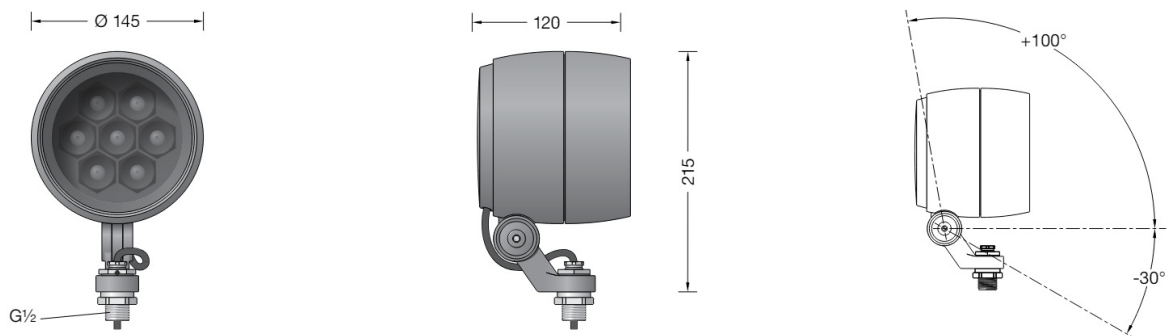


## Contents

- [1 Dimensions](#)
- [2 Instructions for use](#)
- [3 Customer Support](#)
- [4 Documents / Resources](#)
  - [4.1 References](#)
- [5 Related Posts](#)

## Dimensions

Performance floodlight with minimal diffuse light percentage



## 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.

BEGA Ultra dark Optics® offer a maximum of illumination and eye comfort due to a minimised diffuse light percentage and highly efficient glare suppression.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel BEGA Uni dure® coating technology Colour graphite or silver Matt safety glass Internal louvres and polymer lens BEGA Ultra dark Optics® Louvres and interior surface of anti-glare ring with maximum light-absorbing ultra-black nano-coating Rotation range of floodlight 350° Swivel range -30°/+100° Mounting bracket with G $\frac{1}{2}$  threaded connection.

**Thread length:** 14mm

Connecting cable X05BQ-F 5G1mm<sup>2</sup> Cable length 1m BEGA Ultimate Driver® 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  0/50-60 Hz DC 176-264 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.



**Conformity mark**

**Wind catching area:** 0.021 m<sup>2</sup> This product contains light sources of energy efficiency class(es) E, F

### Lighting technology

Symmetrically focused broad spread light distribution with minimal diffuse light percentage.

Half beam angle 56°

### 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.

### 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](http://www.bega.com).

The ideal protection of all electronic components installed in the luminaires is achieved by using bounce-free switching contacts such as an electronic relay (solid-state relay), e.g. BEGA 71320.

### Please note:

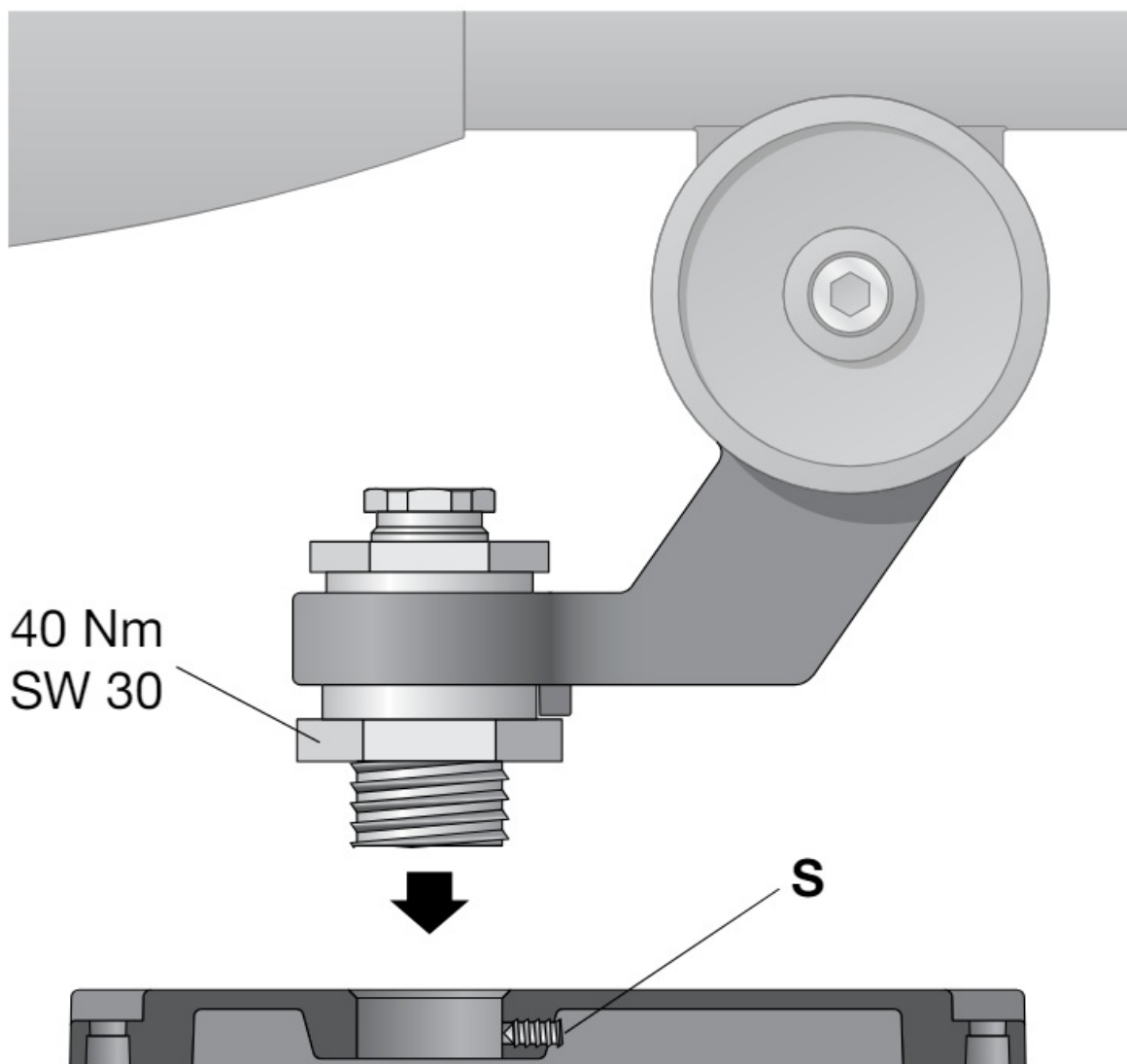
Contact with the inner surface of the luminaire reflector should be avoided in order to permanently protect the special stray light minimizing properties of the nano-coating.

### 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**).

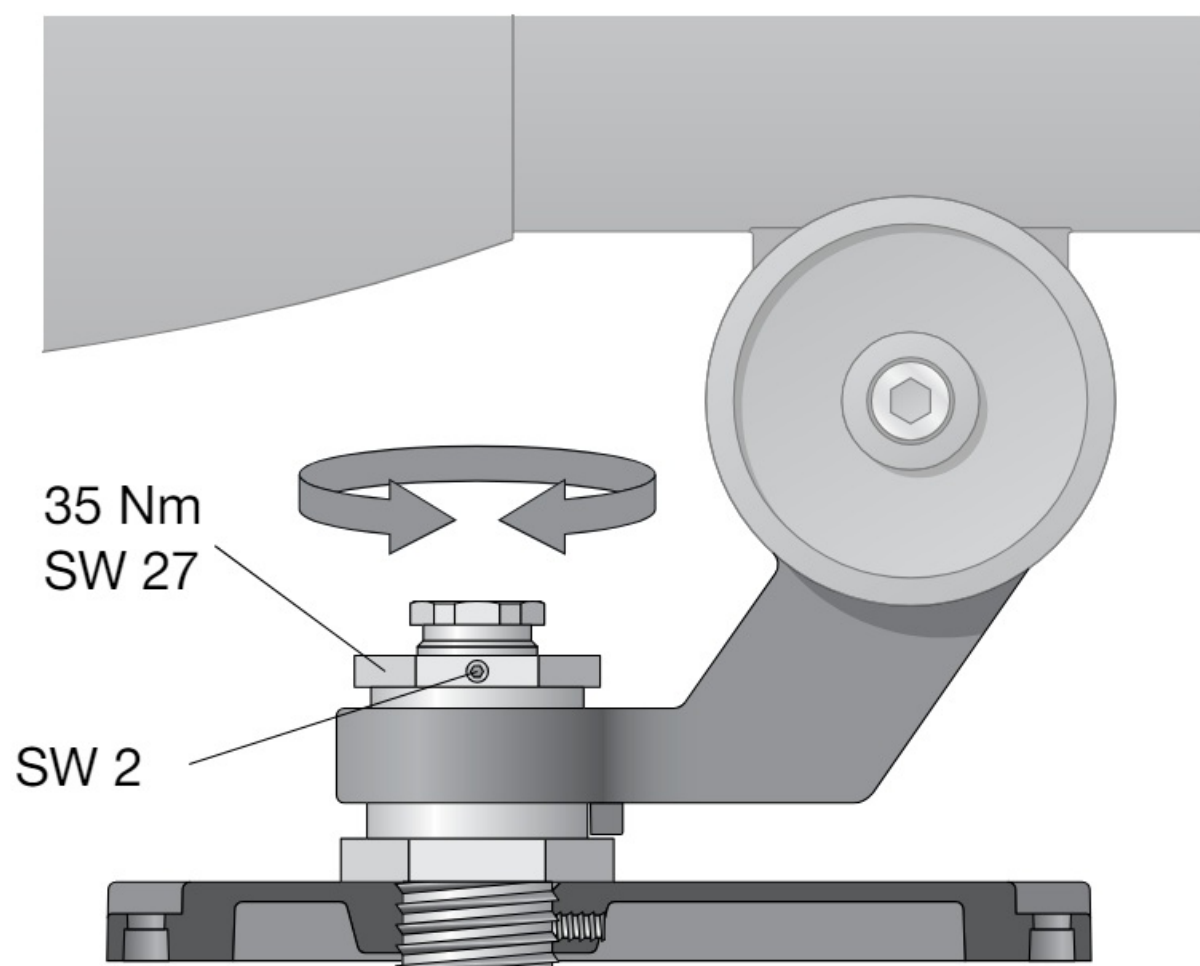


## A

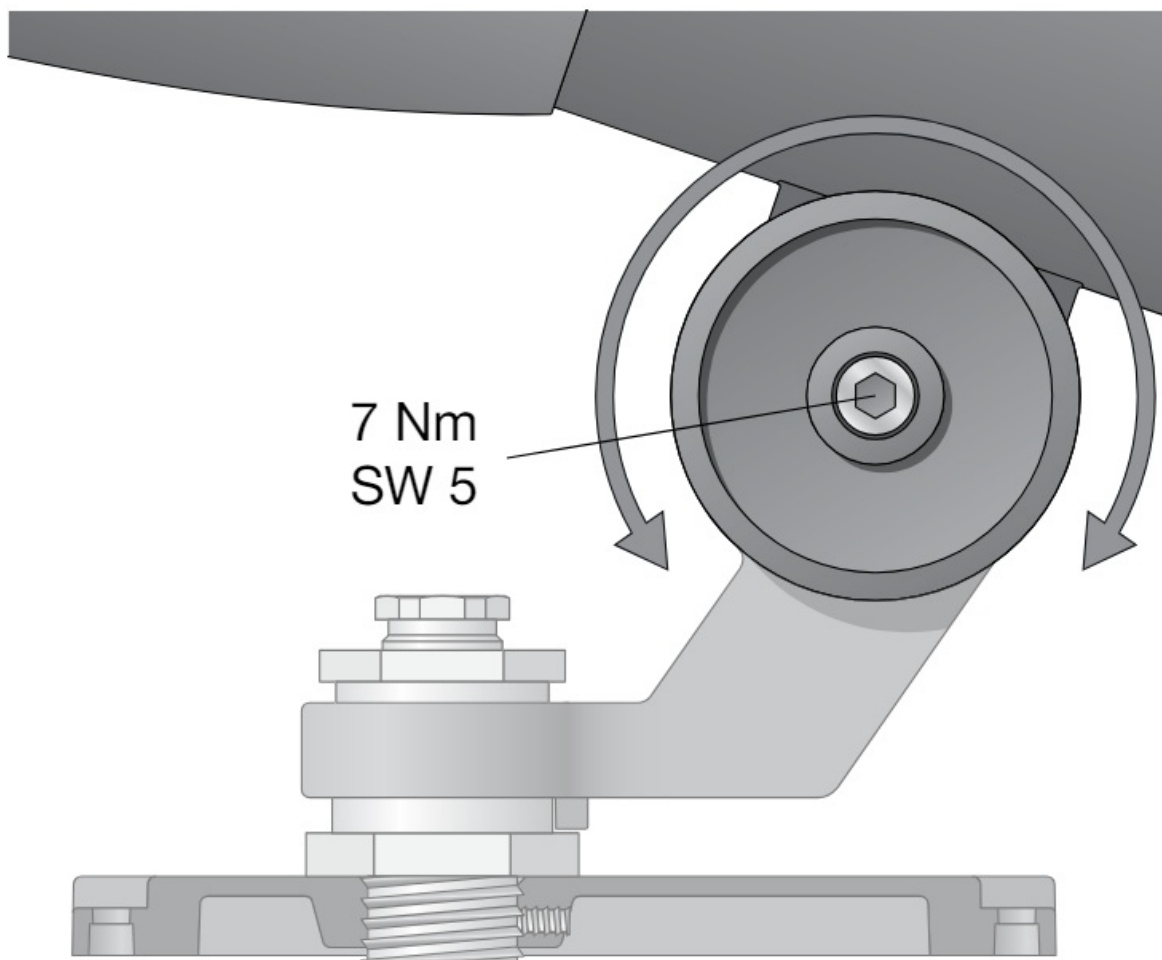
Check the earth conductor connection between the G $\frac{1}{2}$  threaded connection and the on-site G $\frac{1}{2}$  female thread.

### Adjust floodlight:

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



**B**



## C

### Torque:

Hexagon socket screw = 7 Nm

Hexagon nut = 35 Nm

Secure bolted connection G 1/2 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.

### Lamp

Module connected wattage	18.3 W
Luminaire connected wattage	20.5 W
Rated temperature	ta=25 °C
Service life criteria	50000 h/L70

Module designation	LED-1254/930
Color temperature	3000 K
Color rendering index	CRI >90
Module luminous flux	2190 lm
Luminaire luminous flux	1098 lm
Luminaire luminous efficiency	53,6 lm/W

## 85 239K4

Module designation	LED-1254/940
Color temperature	4000 K
Color rendering index	CRI >90
Module luminous flux	2375 lm
Luminaire luminous flux	1190 lm
Luminaire luminous efficiency	58 lm/W

### Cleaning · Maintenance

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

### Maintenance

The connecting cable must be checked for external damage and may only be replaced by a qualified electrician.

### 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 separate label in the luminaire or on the underside of the specific LED module. The light colour and light output of BEGA replacement modules correspond to those of the modules originally fitted. The module can be replaced by a qualified person using commercially available tools.

Disconnect the system from the power supply. Open the floodlight:

Loosen the locking pin (hexagon socket wrench SW2.5) on the back of the floodlight housing. Remove the trim ring along with the safety glass and reflector by twisting it anti-clockwise.

### Please note:

Contact with the inner surfaces of the louvres and luminaire reflector should be avoided in order to permanently protect the special stray light-minimizing properties of the nano-coating.

Grasp the louvres from the outside and lift them out. Loosen the three mounting screws (Torx drive T20) and lift the lens holder (with the loosely inserted lenses) upward horizontally out of the housing.

Replace LED module.

Please follow the installation instructions for the LED module.

Install in reverse order.

When installing the lens holder, make sure that the LED connecting cable is not pinched.

Inspect and, if necessary, replace the luminaire gaskets.

Defective glass must be replaced.

Place the trim ring with glass and reflector on the floodlight housing so that the notches in the trim ring and luminaire housing sit on top of each other.

Twist on the trim ring clockwise as far as the stop. Screw in the locking pin.

## Accessories

71332	Shield
71 338	Cylindrical shield
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 internal	14 001 631
Trim ring graphite with glass	25 000 277
Trim ring silver with glass	25 000 278
LED power supply unit	DEV-0485/900i
LED module 3000 K	LED-1254/930
LED module 4000 K	LED-1254/940
Gasket housing	83 000 521
Gasket trim ring	83 001 952

## Customer Support

BEGA Gantenbrink-Leuchten KG · Postfach 3160 · 58689 Menden

[info@bega.com](mailto:info@bega.com)

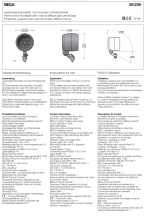
[www.bega.com](http://www.bega.com)

# BEGA

---



## Documents / Resources

	<p><a href="#">BEGA 85 239 Performance Floodlight with Minimal Diffuse Light</a> [pdf] Instruction Manual 85239K3, 85239K4, 85 239, 85 239 Performance Floodlight with Minimal Diffuse Light, Perform ance Floodlight with Minimal Diffuse Light, Floodlight with Minimal Diffuse Light, Minimal Diffuse Light, Diffuse Light, Light</p>
---	--

## References

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

### Manuals+. [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.