



# BEGA 85 074 Bug Save light Building Element Head Instruction Manual

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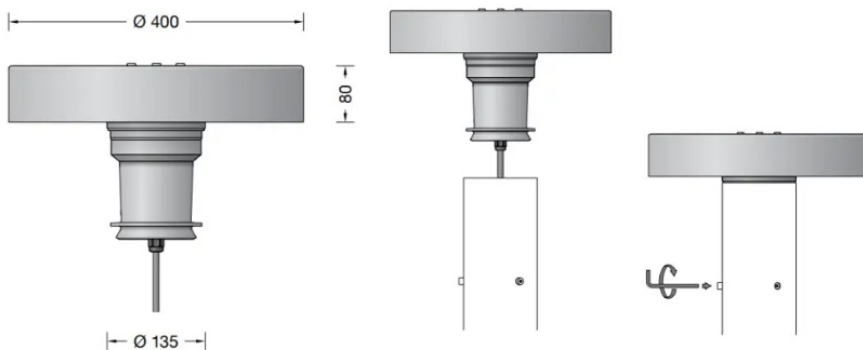
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# BEGA 85 074 Bug Save light Building Element Head Instruction Manual



## Light building element



## Instructions for use

### Application

System light building element with shielded light for illuminating and designing squares, driveways and entrance areas.

Light exit 360°. The light is deflected by means of a conical reflector onto the surface to be illuminated.

A light building element tube is required for the installation of the light building element head, which must be ordered separately (see accessories).

### Product description

Luminaire made of cast aluminium, aluminium and stainless steel

BEGA Unidure® coating technology

Clear synthetic cover with optical structure

Silicone gasket

Reflector surface made of pure aluminium

Connecting cable X05BQ-F 5 G 1 mm<sup>2</sup>

Cable length 3,1 m

BEGA Ultimate Driver ®LED power supply unit 220-240 V x 0/50-60 Hz DC 176-276 V

DALI controllable

Number of DALI addresses: 1

A basic isolation exists between power cable and control line

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 IK04

Protection against mechanical impacts < 0.5 joule



– Conformity mark

Horizontal wind catching area: 0.032 m²

Weight: 4.0 kg

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

### **Dark Sky**

The light of this luminaire is directed evenly and highly efficiently onto the surface to be illuminated. No light is emitted into the upper half-space of the luminaire.

## **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).

## **Installation**

Thread the connection cable into the light building element tube. Align the light building element head and secure it in place.

Tighten the lateral hexagon socket screws (wrench size 4 mm).

Torque = 12 Nm.

Open the connection box.

Lead the luminaire wiring and mains supply cable through the cable entry into the connection box.

Make the electrical connection.

Observe the correct configuration of the connecting cable. Make the mains connection to the brown (L), blue (N) and green-yellow wires (⚡).

The control cables are connected via the two DALI-labelled wires white-red (wh-rd) and white-black (wh-bl). If these wires are not assigned, the luminaire will work with full light output.

Close the connection box.

<b>Lamp</b>	
Module connected wattage	20 W
Luminaire connected wattage	22.5 W
Rated temperature	ta= 25 °C
Ambient temperature	ta max = 50 °C
<b>85 024 K3</b>	
Module designation	4x LED-1305/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3300 lm
Luminaire luminous flux	2574 lm
Luminaire luminous efficiency	114,4 lm / W
<b>85 024 K4</b>	
Module designation	4x LED-1305/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3480 lm
Luminaire luminous flux	2714 lm
Luminaire luminous efficiency	120,6 lm / W

## 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 and open the luminaire.

Please follow the installation instructions for the LED module.

Inspect and, if necessary, replace the luminaire gaskets.

Defective synthetic diffuser must be replaced.

Close the luminaire.

**Accessories**

The light building element head can be combined with the following light building element tubes:

Cylindrical aluminium poles, lacquered with access door and connection box 71 084

**84 708** Pole with anchoring section **H 3500 mm**

**84 709** Pole with baseplate **H 3500 mm**

Cylindrical poles made of laminated wood in accordance with DIN EN 14080 and aluminium, with access door and connection box 71 084

**84 710** Pole with anchoring section **H 3500 mm**

**84 711** Pole with baseplate **H 3500 mm**

**70 899** Anchorage unit for light building element tube with base plate

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

**Spares**

Synthetic cover	15 000 766
LED power supply unit	DEV-0312/700
LED module 3000 K	LED-1305/830
LED module 4000 K	LED-1305/840
Reflector	76 002 093
Gasket glass bottom	83 001 027
Gasket glass top	83 001 953

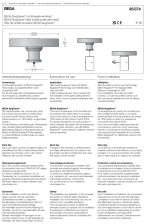
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## Documents / Resources

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## References

- [User Manual](#)

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