

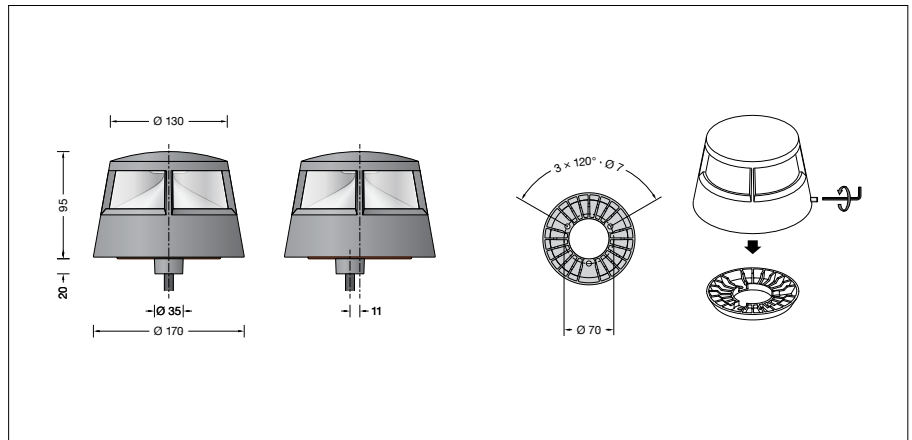
**BEGA****84 753**

Surface-mounted luminaire



Project · Reference number

Date



## Product data sheet

### Application

Luminaire for glare-free illumination of floor surfaces from an extremely low mounting height. For the illumination of forecourts, gateways and ways in private and public facilities. For the various requirements at the installation site, we offer a connection housing as a accessory. The luminaires can thus be installed on unpaved surfaces.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
BEGA Tricoat® coating technology  
Crystal glass  
Optical silicone lens · BEGA Hybrid Optics®  
All-side light output 360°  
Luminaire with mounting plate for bolting onto a foundation or onto a connecting housing  
3 fixing holes  $\varnothing$  7 mm  
Angle 120° · Pitch circle  $\varnothing$  70 mm  
1,8 m water-resistant connecting cable  
07RN8-F 3 G 1<sup>□</sup> with implemented water stopper and 1.2 m PVC cable conduit  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 176-280 V  
BEGA Thermal Switch®  
Temporary thermal shutdown to protect temperature-sensitive components  
Safety class I  
Protection class IP 67  
Dust-tight and protection against temporary immersion  
Impact strength IK07  
Protection against mechanical impacts < 2 joule  
 – Safety mark  
 – Conformity mark  
Weight: 1.8 kg  
This product contains light sources of energy efficiency class(es) D, E

### Inrush current

Inrush current: 20 A / 80  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10 A: 35 luminaires  
B 16 A: 56 luminaires  
C 10 A: 58 luminaires  
C 16 A: 94 luminaires

### Lamp

Module connected wattage 13.3 W  
Luminaire connected wattage 15.4 W  
Rated temperature  $t_a = 25^\circ\text{C}$   
Ambient temperature  $t_{a\text{ max}} = 40^\circ\text{C}$

On request we can offer you modifications for environments with higher temperatures as a customized product.

### 84 753 K3

Module designation LED-0959/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 2130 lm  
Luminaire luminous flux 1211 lm  
Luminaire luminous efficiency 78,6 lm/W

### 84 753 K4

Module designation LED-0959/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 2290 lm  
Luminaire luminous flux 1302 lm  
Luminaire luminous efficiency 84,5 lm/W

### Service life · Ambient temperature

Rated temperature  $t_a = 25^\circ\text{C}$   
LED psu: > 50,000 h  
LED module: > 200,000 h (L 80 B 50)  
100,000 h (L 90 B 50)

Ambient temperature max.  $t_a = 40^\circ\text{C}$  (100 %)

LED psu: 50,000 h  
LED module: > 200,000 h (L 80 B 50)  
100,000 h (L 90 B 50)

### BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting control thanks to optimized refraction and reflection. Precisely calculated reflectors with a pure aluminium surface and lenses, for example made of ultra-clear silicone or glass, capture almost every single light beam emitted by the LED modules. Maximum light efficiency is achieved via the synergy between lens and reflector technology.

### Lighting technology

Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at [www.bega.com](http://www.bega.com).

### Ratio of luminous flux

Luminous flux upper half-space 19,7 %  
Luminous flux lower half-space 80,3 %

BUG rating according to IES TM-15-07:  
1–3–2

CEN Flux Code according to EN 13032-2:  
0–5–37–80–100–1–2–8–20

### BEGA Tricoat®

BEGA Tricoat® is a protected trademark for a technology that we use in order to achieve optimal corrosion resistance. These carefully coordinated inorganic and organic coating processes applied to extremely resistant alloys ensure the best possible surface protection and outstanding corrosion resistance.

### Article No. 84 753

LED colour temperature optionally 3000 K or 4000 K

3000 K – Article number + **K3**  
4000 K – Article number + **K4**

Colour graphite or silver  
graphite – article number  
silver – article number + **A**

### Accessories

**71 246** Connection housing  
made of galvanised steel  
Total length 225 mm

**70 730** Distribution box

The distribution box is meant for installation in the soil and allows a junction from the supply cable to the luminaire and through-wiring to the next luminaire.

After the electrical connection the distribution box is filled up with gel and closed.

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