# BEGA

## 84 280

In-ground luminaire

IP 67

| Project · Reference number | Date |
|---|---|



□ 185
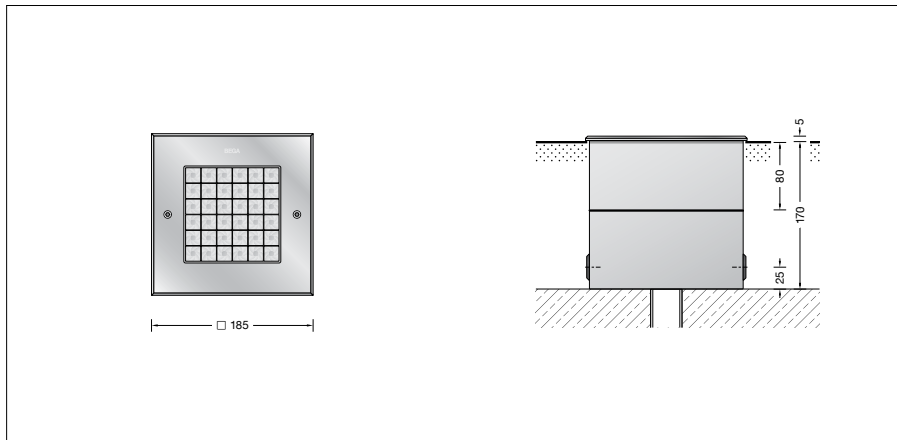
## Product data sheet

### Product description
Luminaires and installation housings made of highly corrosion-resistant aluminium
BEGA Tricoat® coating technology
Frame made of glass fibre reinforced synthetic material
Cover frame made of stainless steel, steel grade number 1.4301
Recess housing with cable entry for cable conduit, max ø 20 mm
Clear safety glass
Reflector surface made of pure aluminium
BEGA Vortex Optics®
1,8 m water-resistant connecting cable 07RN8-F 5 G 1□ with implemented water stopper and 1.2 m PVC cable conduit
LED power supply unit
220-240 V ⏦ 0/50-60 Hz
DC 176-276 V
DALI controllable
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 67
Dust-tight and protection against temporary immersion
Pressure load 5,000 kg (~50 kN)
Impact strength IK10
Protection against mechanical impacts < 20 joule
CE – Conformity mark
Weight: 5.4 kg

### Application
LED floodlight with symmetrical narrow beam light distribution. For recessed mounting in compacted surfaces, paths and places.
Drive-over luminaire for vehicles with pneumatic tyres.

### Please note:
Luminaire must not be used for installation in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction.
For walk-through public areas, we recommend skid-blocking glass
– see accessories.

### Lamp
| | |
|---|---|
| Module connected wattage | 16.7 W |
| Luminaire connected wattage | 19 W |
| Rated temperature | $t_a = 25$ °C |
| Ambient temperature | $t_{a\,max} = 40$ °C |

### 84 280 K3
| | |
|---|---|
| Module designation | LED-0998/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 3090 lm |
| Luminaire luminous flux | 1319 lm |
| Luminaire luminous efficiency | 69,4 lm / W |

### 84 280 R K3
| | |
|---|---|
| Module designation | LED-0998/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 3090 lm |
| Luminaire luminous flux | 1068 lm |
| Luminaire luminous efficiency | 56,2 lm / W |

### 84 280 K4
| | |
|---|---|
| Module designation | LED-0998/840 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 3265 lm |
| Luminaire luminous flux | 1394 lm |
| Luminaire luminous efficiency | 73,4 lm / W |

### 84 280 R K4
| | |
|---|---|
| Module designation | LED-0998/840 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 3265 lm |
| Luminaire luminous flux | 1128 lm |
| Luminaire luminous efficiency | 59,4 lm / W |

### Inrush current
Inrush current: 12 A / 24.2 µs
Maximum number of luminaires of this type per miniature circuit breaker:
| | |
|---|---|
| B 10A: | 50 luminaires |
| B 16A: | 50 luminaires |
| C 10A: | 50 luminaires |
| C 16A: | 50 luminaires |

### Lighting technology
Half beam angle 24°
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website www.bega.com.

### Service life · Ambient temperature
Rated temperature $t_a = 25$ °C
| | |
|---|---|
| LED psu: | > 50,000 h |
| LED module: | 200,000 h (L80 B 50) |

Ambient temperature $t_{a\,max} = 40$ °C (100 %)
| | |
|---|---|
| LED psu: | 50,000 h |
| LED module: | 190,000 h (L80 B 50) |

### Article No. 84 280
LED colour temperature optionally 3000 K or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

We supply this luminaire with skid-blocking glass which is denoted by **R** after the article number.

### Accessories
**14001410R** Skid-blocking glass
in accordance with EN ISO 51130 R13
Surface abrasion in accordance with EN ISO 10545-7:
Category II
Anti-slip protection in accordance with DIN 51097 Class C

Distribution box for installation in soil
**70 730** Distribution box with 7 cable entries
Connection terminals 5 x 4□
**71 053** Distribution box with 10 cable entries
Connection terminals 6 x 16□

A separate instructions for use can be provided upon request.

### Light distribution