

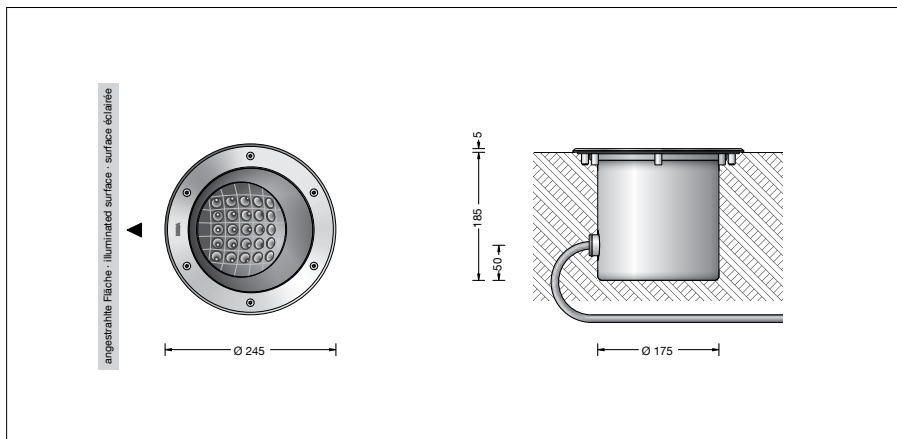
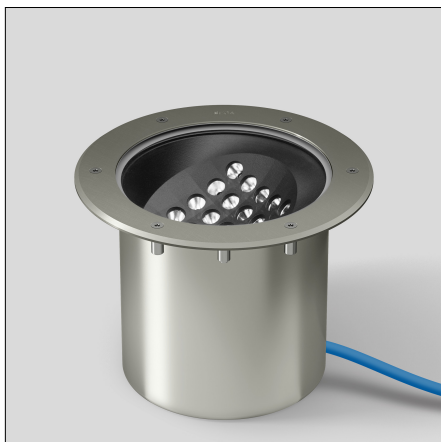
BEGA**85 036**

Matrix In-ground floodlight

IP 68

Project · Reference number

Date



Product data sheet

Application

In-ground floodlights with adjustable light distribution for custom lighting effects. The light cone can be adjusted to the size of the illumination area.

The light cones and scenarios are set via the BEGA Tool app for Android or iOS, and the optional adjustment of luminaire brightness (0-100 %) as well as the linking with other DALI components is done via the free DALI Cockpit software.

Suitable for installation in gravel, lawns, flower beds or paved areas.

Drive-over resistant 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.

Product description

Luminaire made of stainless steel

Steel grade no. 1.4301

Clear safety glass

Reflector surface made of pure aluminium

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

DALI controllable

A basic isolation exists between power cable and control line

BEGA Thermal Switch®

Temporary thermal shutdown to protect temperature-sensitive components

Safety class I

Protection class IP 68 10 m

Dust-tight and water pressure tight

Maximum submersion depth 10 m

Not suitable for permanent operation under water

Pressure load 2,000 kg (~20 kN)

CE – Conformity mark

Weight: 4.8 kg

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

Lamp

Module connected wattage 20 W

Luminaire connected wattage 25 W

Rated temperature $t_a = 25\text{ °C}$

Ambient temperature $t_{a\text{ max}} = 35\text{ °C}$

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

85 036 K27

Module designation LED-1467/827

Colour temperature 2700 K

Colour rendering index CRI > 80

Module luminous flux 2600 lm

Luminaire luminous flux 1280 lm

Luminaire luminous efficiency 51,2 lm/W

85 036 K3

Module designation LED-1467/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 2800 lm

Luminaire luminous flux 1378 lm

Luminaire luminous efficiency 55,1 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$

LED psu: > 50,000 h

LED module: > 200,000 h (L80 B50)

100,000 h (L90 B50)

Ambient temperature max. $t_a = 35\text{ °C}$ (100 %)

LED psu: 50,000 h

LED module: 190,000 h (L80 B50)

Lighting technology

The light intensity/level can be set individually for each of the 5x5 LED light points.

Inrush current

Inrush current: 15 A / 600 µs

Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 9 luminaires

B 16A: 15 luminaires

C 10A: 15 luminaires

C 16A: 25 luminaires

Accessories

14000225R Skid-blocking glass

BEGA skid-blocking glass with the highest rating R 13 according to DIN 51130 can be used without restriction for all public areas.

Abrasion resistance according to EN ISO 10545-7 Class 3

70 687 Installation housing made of stainless steel

70 730 Distribution box for installation in soil with 7 cable entries
Connection terminals 5 x 4 □

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

Article No. 85 036

Colour temperature 2700 K.

Also available with 3000 K on request.

2700 K – article number + **K27**

3000 K – article number + **K3**

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