

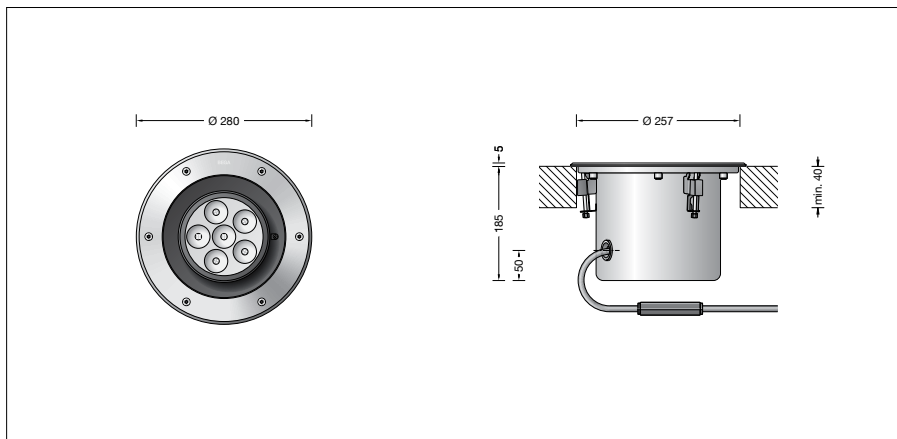
**BEGA****84 382**

In-ground luminaire RGBW

IP 68

Project · Reference number

Date



## Product data sheet

### Application

LED floodlight with adjustable light distribution for additive colour mixing RGBW.

Luminaire for installation in core holes or cut-outs in floors. Drive-over luminaire for vehicles with pneumatic tyres.

The floodlight can be controlled by DALI colour light control (DT8, RGBWAF, xy).

We recommend our BEGA Control system for this purpose.

**Please note:** Luminaire must not be used for installations in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction.

The minimum distance to illuminated objects above the light distribution opening must be  $\geq 0,5$  m.

We recommend skid-blocking glass for walk-over public areas – see accessories.

### Product description

Luminaire made of stainless steel

Steel grade no. 1.4301

Clear safety glass

Silicone gasket

Reflector surface made of pure aluminium

Required recessed opening  $\varnothing$  257 mm

Minimum material thickness 40 mm

Fixing is achieved by using three wedge-shaped clamping elements

1,8 m water-resistant connecting cable

07RN8-F 5G1<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

DALI controllable

A basic isolation exists between power cable and control line

Safety class I

Protection class IP 68 10 m

Dust-tight and water pressure tight

Maximum submersion depth 10 m

Pressure load 2,000 kg (20 kN)

Impact strength IK10

Protection against mechanical impacts < 20 joule

Maximum surface temperature 40 °C

(measured according to EN 60598 of  $t_a$  15 °C)

CE – Conformity mark

Weight: 6.5 kg

### Lamp

Module connected wattage	20.5 W
Luminaire connected wattage	24 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 25$ °C

Module designation	LED-0533/RGBW
Luminaire luminous flux	740 lm
Luminaire luminous efficiency	30,8 lm/W

### Lifetime of the LED

Ambient temperature  $t_a = 15$  °C

– at 50,000 h: L80B10

– at 85,000 h: L70B50

max. ambient temperature  $t_a = 25$  °C

– at 50,000 h: L80B10

– at 84,000 h: L70B50

### Light technique

In-ground floodlight with adjustable optical system.

Optical system 0-30° swivel-mounted in 3° steps and  $\pm 180^\circ$  infinitely rotatable.

Narrow beam rotationally symmetrical light distribution. Half beam angle 19°

For special lighting tasks it is possible to change the narrow beam light cone into a wide beam or flat beam light distribution by using diffuser lenses.

For wide beam light distribution:

Diffuser lens **10047**

For flat beam light distribution:

Diffuser lens **10016**

Light cone  $\pm 90^\circ$  rotatable.

### Inrush current

Inrush current: 21 A / 275  $\mu$ s

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

B 10A: 13 luminaires

B 16A: 21 luminaires

C 10A: 22 luminaires

C 16A: 35 luminaires

### Article No. 84 382

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

### Accessories

**14001088R** 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

Exchangeable lenses

**10047** wide beam

**10016** flat beam

Distribution box for installation in soil

**70730** Distribution box with 7 cable entries

Connection terminals 5 x 4<sup>□</sup>

**71053** Distribution box with 10 cable entries

Connection terminals 6 x 16<sup>□</sup>

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