

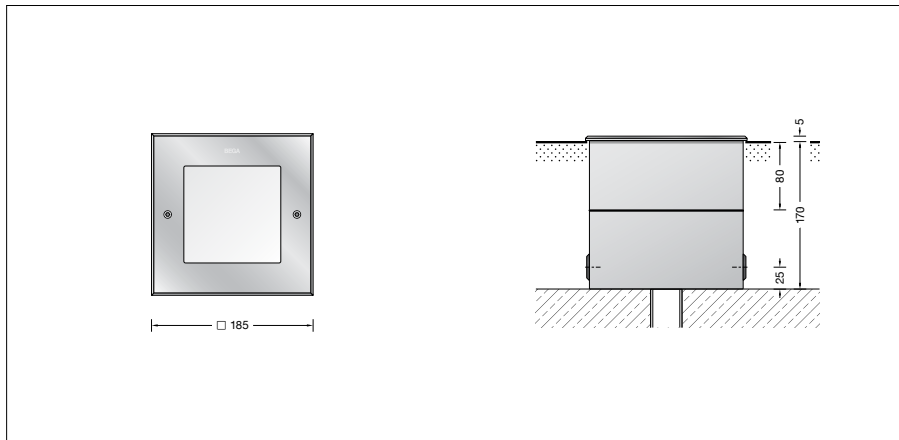
BEGA**84 910**

In-ground luminaire RGBW



Project · Reference number

Date



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 \varnothing 20 mm

Safety glass, white

1,8 m water-resistant connecting cable
 07RN8-F 5 G 1[□] with implemented water stopper and 1.2 m PVC cable conduit

BEGA Ultimate Driver®

LED power supply unit

220-240 V ~ 0/50-60 Hz

DC 176-264 V

DALI controllable (DT8, RGBWAF, xy)

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 68 10 m

Dust-tight and water pressure tight

Maximum submersion depth 10 m

Pressure load 5,000 kg (~50 kN)

Impact strength IK10

Protection against mechanical

impacts < 20 joule

Maximum surface temperature 30 °C

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

CE – Conformity mark

– Safety mark

Weight: 5.6 kg

This product contains light sources of energy efficiency classes F

Inrush current

Inrush current: 5 A / 100 μ s

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

B 10 A: 52 luminaires

B 16 A: 84 luminaires

C 10 A: 52 luminaires

C 16 A: 84 luminaires

Application

Recessed location luminaire for recessed mounting in compacted surfaces, paths and open areas. Drive-over luminaire for vehicles with pneumatic tyres.

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

We recommend the use of BEGA DALI system components.

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 10 W

Luminaire connected wattage 12 W

Rated temperature t_a = 25 °C

Ambient temperature $t_{a \max}$ = 45 °C

When installed in heat-insulating material $t_{a \max}$ = 35 °C

Module designation LED-1215/RGBW

Colour temperature of the white LED 4000 K

Luminaire luminous flux 408 lm

Luminaire luminous efficiency 34 lm/W

Service life · Ambient temperature

Rated temperature t_a = 25 °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 = 45 °C (100 %)

LED psu: 50,000 h

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

Ambient temperature max. t_a = 50 °C (78 %)

LED psu: > 50,000 h

LED module: > 50,000 h (L 70 B 50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

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.

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.

Accessories

14001409R 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

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

A separate instructions for use can be provided upon request.

Article No. 84 910

When the glass is wet, there may be a risk of slipping. For walkable public areas, we recommend skid-blocking glass in accordance with DIN 51130 R13. With the additional specification **R** after the article number, we can supply all luminaires with skid-blocking glass. This increases the dispersion of the light distribution.