BEGA

Surface-mounted luminaire RGBW

84 874

⬦10 ⬦ IP 67

Project · Reference number	Date

Product data sheet

Application
Surface-mounted luminaire · Wall washer
The design of this in-ground floodlight makes it possible to fully illuminate a vertical surface, e.g. a façade, from the ground to the lower edge of the roof. The lower limit of the light distribution is a straight line, without the usual "light cone". The luminaire can be controlled by DALI colour light control (DT8, RGBWAF, xy).
We recommend the use of BEGA DALI system components.
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
Matt safety glass
Reflector made of pure anodised aluminium
Luminaire with mounting plate for bolting onto a foundation or onto a connecting housing
Mounting plate made of stainless steel
Steel grade number 1.4301
4 elongated fixing holes
Width 9 mm · 170 x 170 mm spacing
3 elongated fixing holes
Width 9 mm · pitch circle ø 132 mm
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 67
Dust-tight and protection against temporary immersion
Impact strength IK07
Protection against mechanical impacts < 2 joule
Maximum surface temperature 35 °C
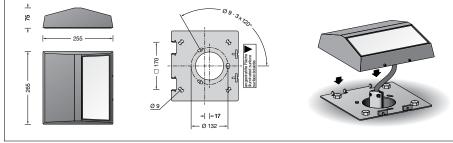(measured according to EN 60598 of ta 15 °C)
C€ – Conformity mark
⬦10 ⬦ – Safety mark
Weight: 5.6 kg
This product contains light sources of energy efficiency classes F

Lamp
Module connected wattage	23.2 W
Luminaire connected wattage	26.6 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 40$ °C
Module designation	LED-0903/RGBW
Colour temperature of the white LED	4000 K
Luminaire luminous flux	1909 lm
Luminaire luminous efficiency	71,8 lm/W

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: > 200,000 h (L80 B50)
100,000 h (L90 B50)

Ambient temperature max. t_a = 40 °C (100 %)
LED psu: 50,000 h
LED module: > 200,000 h (L80 B50)

Ambient temperature max. t_a = 50 °C (66 %)
LED psu: > 50,000 h
LED module: > 50,000 h (L70 B50)

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.

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.

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 resistanc.