

BEGA**84 862**

Underwater floodlight RGBW

IP 68

Project · Reference number

Date

Product data sheet

Application

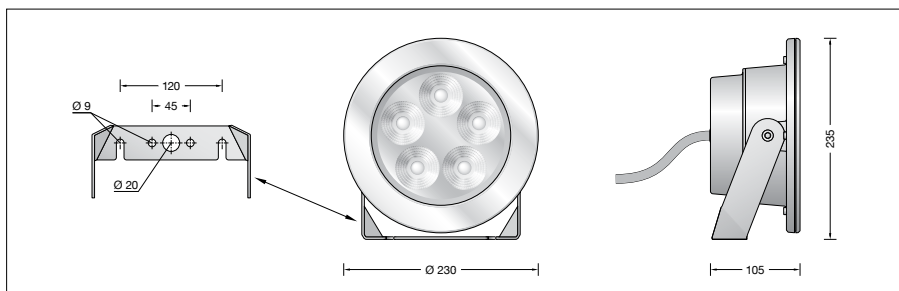
Water-pressure-tight underwater floodlight for RGBW additive colour mixing for the illumination of **non-accessible** ponds, pools and water features with a depth up to 20 metres.

Product description

Luminaire housing made of dezincification-resistant cast brass
 Stainless steel mounting bracket
 Steel grade no. 1.4401, electropolished
 Clear safety glass
 Reflector surface made of pure aluminium
 Swivel range 120°
 2 elongated fixing holes
 Width 9 mm · 120 mm spacing
 water-resistant connecting cable
 07RN8-F 5 G 1[□]
 Cable length 7 m
 BEGA Ultimate Driver®
 LED power supply unit (DT8, RGBWAF, xy)
 220-240 V ~ 0/50-60 Hz
 DC 176-264 V
 BEGA Thermal Control®
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
 Safety class I
 Protection class IP 68 20 m
 Dust-tight and water pressure tight
 Maximum submersion depth 20 m
 Impact strength IK09
 Protection against mechanical impacts < 10 joule
CE – Conformity mark
 Weight: 7.0 kg

Light technique

Narrow beam light distribution.
 Half beam angle 20°
 Luminaire data for the light planning program DIALux 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.
 When designing a lighting installation under water, note that the amount of light absorbed by the water depends on the clarity of the water. Lighting intensity and brightness are less than with a free burning floodlight.
 The values shown in the floodlight diagram are only valid for medium air.



Lamp

| | |
|-----------------------------|-----------------------------------|
| Module connected wattage | 43.9 W |
| Luminaire connected wattage | 49 W |
| Rated temperature | $t_a = 25\text{ °C}$ |
| Ambient temperature | $t_{a\text{ max}} = 40\text{ °C}$ |

| | |
|-------------------------------------|---------------|
| Module designation | LED-1241/RGBW |
| Colour temperature of the white LED | 4000 K |
| Luminaire luminous flux* | 2900 lm |
| Luminaire luminous efficiency* | 59,2 lm/W |

* preliminary data

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. $t_a = 40\text{ °C}$ (100 %) | |
| LED psu: | 50,000 h |
| LED module: | > 200,000 h (L80 B50) |

Accessories

71 265 Mounting plate
 Mounting plate for the positioning of an underwater floodlight if the floodlight will not be bolted to the on-site substrate.

See the separate instructions for use.