

**BEGA****84 863**

Underwater floodlight RGBW

IP 68

Project · Reference number

Date

## Product data sheet

### Application

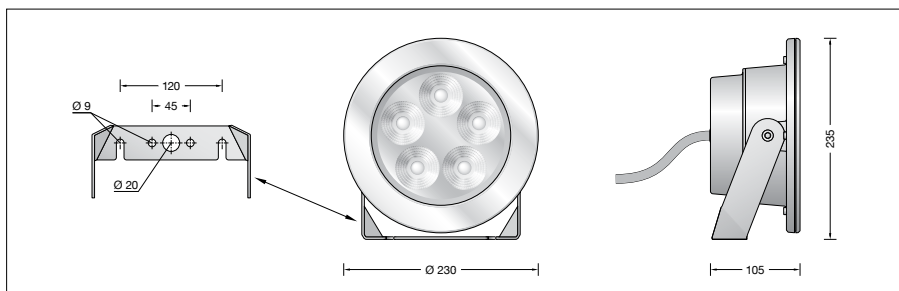
Water-pressure-tight underwater floodlight for RGBW additive colour mixing for the illumination of **non-accessible** ponds, pools and water features with a depth up to 20 metres.

### 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<sup>□</sup>  
 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

### Lighting technology

Wide beam light distribution  
 Half beam angle 52°  
 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](http://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.