BEGA

Underwater floodlight

84 399

◇ IP 68

Project · Reference number	Date

Product data sheet

Application
Water pressure tight LED underwater floodlight with very shallow construction form for the illumination of ponds, water pools and water features up to a depth of 20 m.
The floodlight must only be operated under water and must be protected against freezing in. To avoid damages on the surface of the floodlight, the water must have a neutral pH-value and should be free from metal attacking ingredients.

Product description
Luminaire made stainless steel
Steel grade no. 1.4301 – electro polished
Clear safety glass
Reflector made of pure anodised aluminium
Swivel range 90°
Mounting bracket with
2 holes ø 7 mm · 45 mm spacing
water-resistant connecting cable
05RN8-F 2 × 1 □
Cable length 4 m
Safety class III ◇
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: 2.2 kg

Light technique
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 you will find on the BEGA web page www.bega.com.
The details apply to free burning floodlights. The lighting intensity is depending on the submerged depth of the floodlight and on the purity of the water.

Lamp
Module connected wattage	51 W
Luminaire connected wattage	62 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 45$ °C

On request we can offer you modifications for enviroments with higher temperatures as a customized product.
Voltage	24 V = DC

84 399 K3
Module designation	LED-0778/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6655 lm
Luminaire luminous flux*	3745 lm
Luminaire luminous efficiency*	60,4 lm/W

* preliminary data

Ø 190
235
ø 7
45
90
30
95
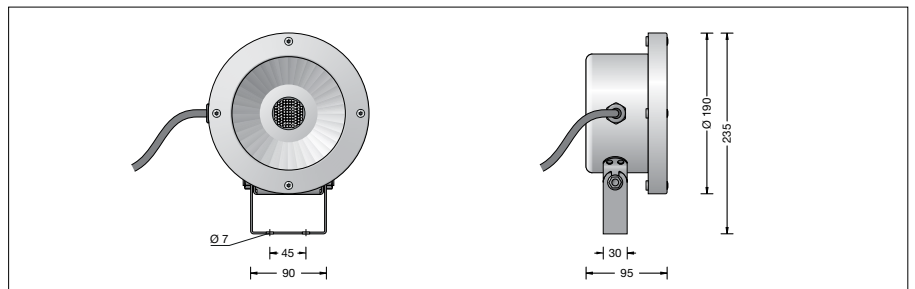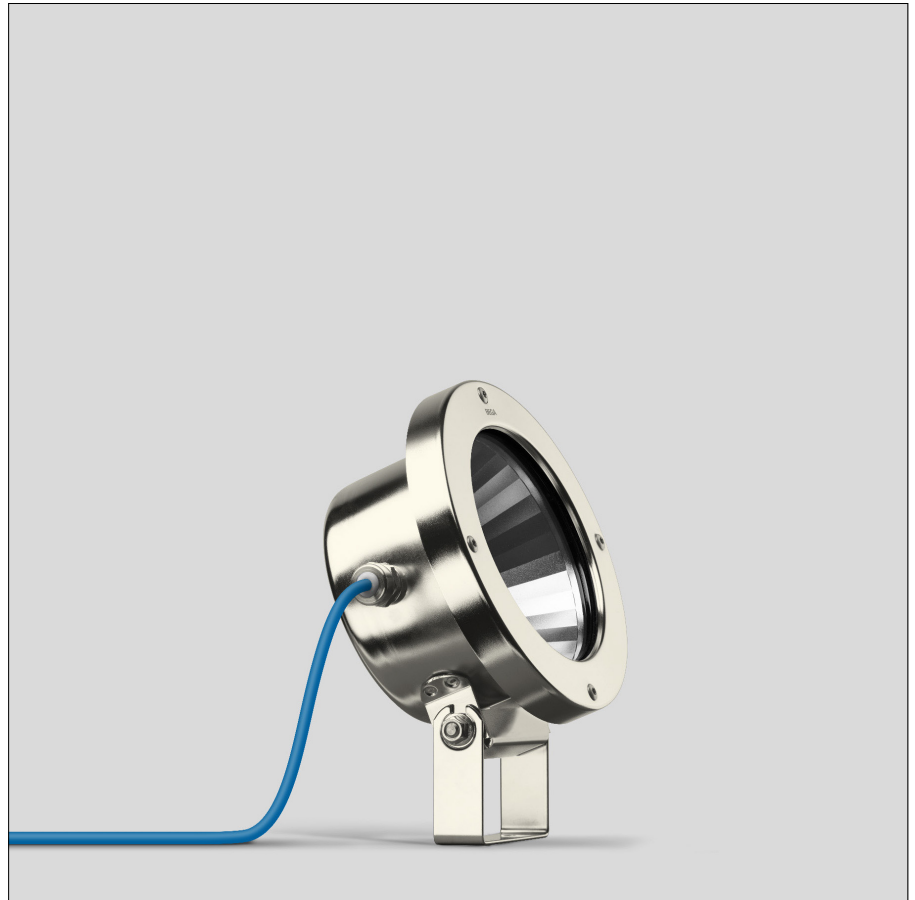
Service life of the LED
Ambient temperature $t_a = 25$ °C
– at 174,000 h: L70 B50

max. ambient temperature $t_a = 45$ °C
– at 57,000 h: L70 B50

Accessories
BEGA Safety transformers according to DIN EN 61558/VDE 0570, part 2-6
70 567 Power supply unit for 40 - 75 W
70 169 Power supply unit for 70 - 150 W

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

Light distribution