

BEGA**99 524**

Underwater floodlight

IP 68

Project · Reference number

Date

Product data sheet

Application

Water pressure tight underwater floodlight with very shallow construction form for the illumination of ponds, water pools and water features up to a depth of 4 metres. The floodlight must only be operated under water and must be protect against freezing in. To avoid damages on the surface of the floodlight, the water should have a neutral pH-value and should be free from metal attacking ingredients.

Product description

Luminaire made stainless steel
Steel grade no. 1.4301 – electropolished
Swivel range 90°
Fixing bracket with 1 hole \varnothing 7 mm
Luminaire: Safety class III ⚡
Protection class IP 68 4 m
Dust-tight and water pressure tight
Maximum submersion depth 4 m
This product contains light sources of energy efficiency class(es) D

Complete with fixed connecting cables:
Power supply unit – Luminaire:
4 m water-resistant cable 05RN8-F 2 x 1 \square
Sheathing colour blue
Power supply unit with 2 m mains supply cable
H05RN-F 2 x 1 \square and power plug

Safety transformer according to VDE 0551,
EN 62558 part 2-6/VDE 0570 with intergrated
overload protection
Primary voltage 230 V AC 50/60 Hz
Secondary voltage 24 V DC · 25 W · 1,04 A
Safety class II \square
Protection class IP 66
Protected against dust and heavy downpours
Transformer with power plug
Protection class IP X4
CE – Conformity mark
Weight: 2.6 kg

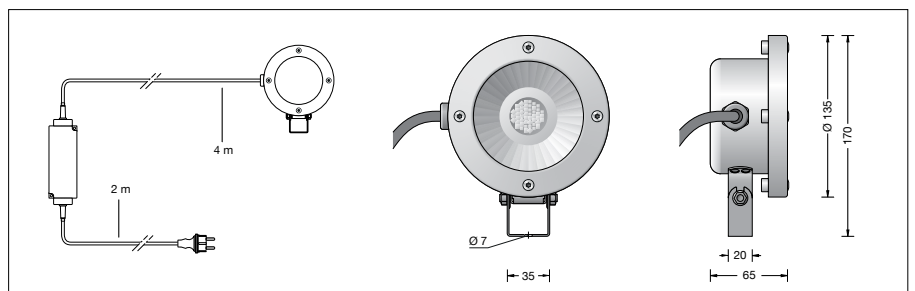
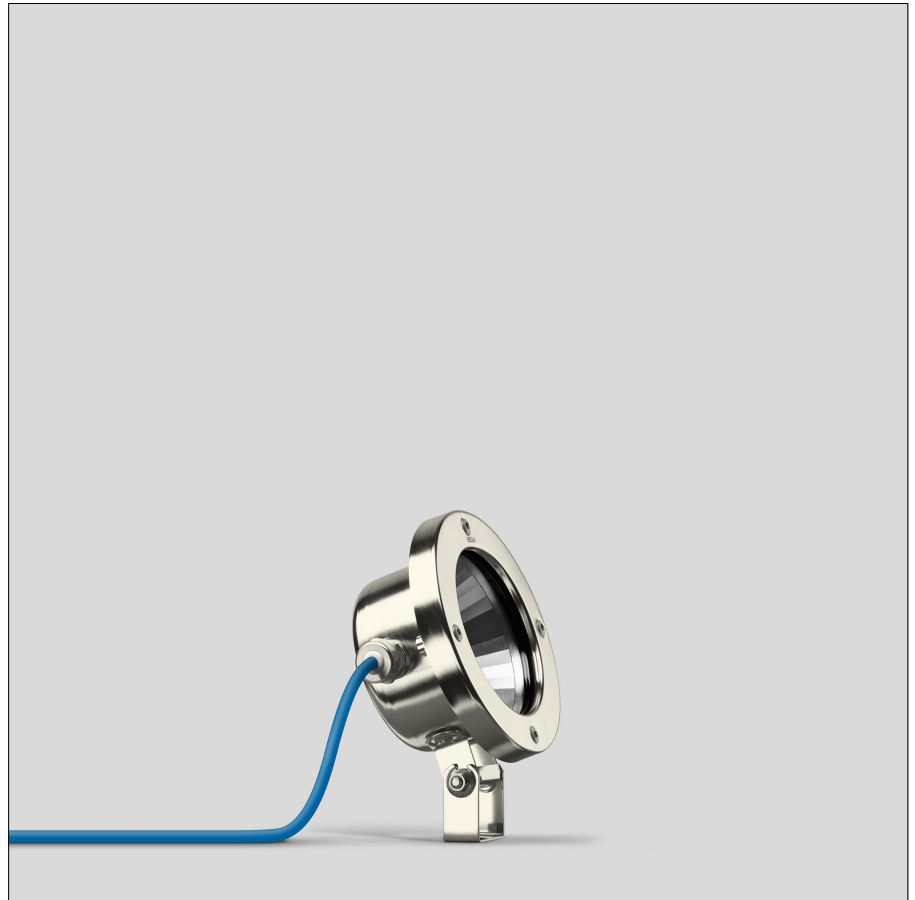
Lamp

Module connected wattage 11.6 W
Luminaire connected wattage 19.5 W
Rated temperature $t_a = 25^\circ\text{C}$
Ambient temperature $t_{a\text{ max}} = 65^\circ\text{C}$

99 524 K3

Module designation LED-0401/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 2250 lm
Luminaire luminous flux* 1427 lm
Luminaire luminous efficiency* 73,2 lm/W

* preliminary data

**Service life · Ambient temperature**

Rated temperature $t_a = 25^\circ\text{C}$
LED psu: > 50,000 h
LED module: > 200,000 h (L80B50)
100,000 h (L90B50)

Ambient temperature max. $t_a = 65^\circ\text{C}$ (100 %)
LED psu: 50,000 h
LED module: > 200,000 h (L80B50)
100,000 h (L90B50)

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.

Light distribution