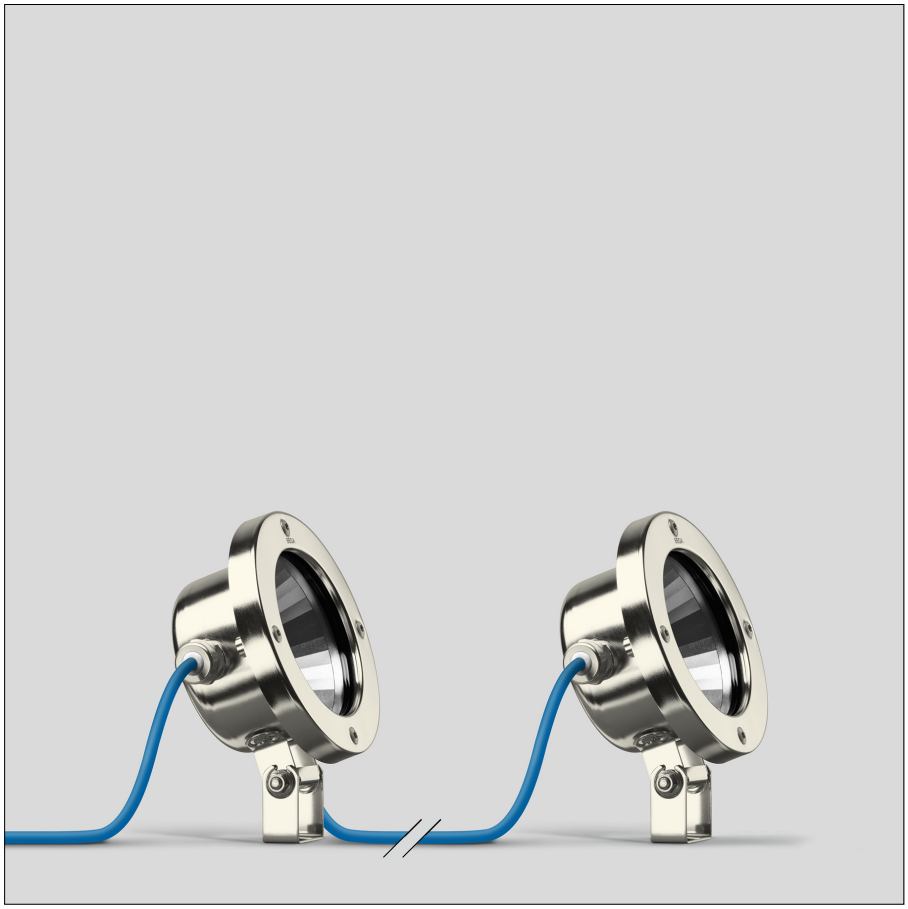
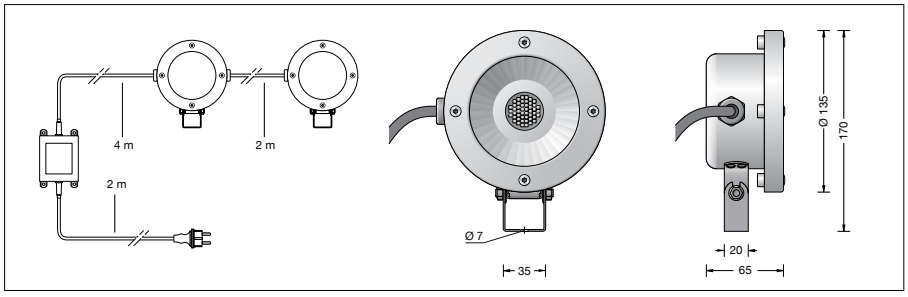
BEGA **99 526**

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 ø 7 mm
Complete with installed connecting cables:
Power supply unit with 2 m mains supply cable 05RN8-F 2 × 1 □ and power plug
Power supply unit – Luminaire:
4 m water-resistant cable 05RN8-F 2 x 1 □
Sheathing colour blue
Luminaire – Luminaire: 2 m water-resistant cable 05RN8-F 2 x 1 □
Sheathing colour blue

Safety transformer according to VDE 0551, EN 62558 part 2-6/VDE 0570 with intergrated overload protection
Primary voltage 230 V AC 50 Hz
Secondary voltage 24 V DC · 50 W · 2,08 A
Safety class II ⧈
Protection class IP 66
Protected against dust and heavy downpours
Transformer with power plug
Protection class IP X4
Luminaire: Safety class III
Protection class IP 68 4 m
Protected against dust
CE – Conformity mark
Weight: 4.5 kg
This product contains light sources of energy efficiency class(es) D

Lamp

Module connected wattage	11.6 W
Luminaire connected wattage	40 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 65 °C
Voltage	24 V = DC

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Module designation	LED-0401/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	4500 lm
Luminaire luminous flux*	2854 lm
Luminaire luminous efficiency*	71,3 lm/W

* preliminary data

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: > 200,000 h (L80B50)
100,000 h (L90B50)

Ambient temperature max. t_a = 65 °C (100 %)
LED psu: 50,000 h
LED module: 70,000 h (L80B50)
100,000 h (L70B50)

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