



LED Underwater – reliable landscape lighting for harmonious city living

LED Underwater BCP170/171

People want to create a pleasant atmosphere around their property – something that will catch visitors' attention, make them feel good and want to come back again. They want to be able to create an appealing ambience at minimum cost, though without compromising on the quality of the lighting. Combining a robust, simple design with reliable performance, LED Underwater delivers a variety of attractive lighting effects to bring property landscapes to life. Fully IP68 to a depth of 3 meters, it offers a choice of beams and tones of white light for precision illumination of water features. A dedicated bracket ensures easy surface mounting.

Benefits

- High reliability
- Wide choice of lighting effects
- Easy installation

Features

- High-quality Luxeon Rebel LEDs and copper housing
- Lifetime over 25,000 hours (70% lumen maintenance) @ Ta=35 °C
- Robust design – IP68 protection for 3 m depth underwater and IK07 impact resistance
- Choice of beam angle (12 and 36°) and color temperature (warm white 3000 K and neutral white 4000 K)
- Compatible DMX control for RGB version

LED Underwater BCP170/171

Application

- Underwater application in:
- Parks and gardens
- Squares and plazas
- Residential areas

Specifications

Type	BCP170
Light source	Integral LED-module
Power	18 W
Beam angle	12 or 36°
Luminous flux	BCP170 LED400: > 370 lm BCP170 LED600: > 550 lm
Luminaire efficacy	BCP170 LED400: 21 lm/W BCP170 LED600: WW-38 lm/W, NW-44 lm/W
Correlated Color	3000 or 4000 K, RGB
Temperature	
Color Rendering Index	WW: 85, NW: 70 (mono white)
Maintenance of lumen output - L70	25,000 hours at 35°C
Operating temperature range	-20°C < T
Driver	Built-in (self ballasted LED-module)
Mains voltage	12 V DC
Dimming	No

Controls system input	BCP170 LED400 (RGB) will be compatible with DMX512 controllers
Optical element	Acrylic lens
Optical cover	Glass, tempered
Material	Housing: copper Optical: acrylic lens Cover: tempered glass Gasket: silicone rubber, heat-resistant Bracket: stainless
Color	Housing: Black nickle
Connection	Push in connector in 4 poles (BCP170 LED400) or 2 poles (BCP170 LED600) which core area > 1.5 mm
Maintenance	No internal cleaning required
Installation	Surface mounted, ground floor or wall Operating temperature: - 20°C < T Max 3 m depth underwater Adjustable tilt angle: 0 to 90°
Cable gland	1 x M20

Versions



BCP170 LED underwater luminaire

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Approval and Application	
Mech. impact protection code	IK07
Controls and Dimming	
Dimmable	Yes
General Information	
CE mark	CE mark
Optical cover/lens type	GT
Driver included	No
Flammability mark	F
Lamp family code	LED-HP
Light source replaceable	No

General Information

Order Code	Full Product Name	Luminaire light beam spread	Light source colour
911401602102	BCP170 9LED NW 12V 36 IP68	36°	740 neutral white
911401602202	BCP170 9LED WW 12V 36 IP68	36°	830 warm white
911401602302	BCP170 9LED RGB 12V 12 IP68	12°	-
911401602402	BCP170 9LED NW 12V 12 IP68	12°	740 neutral white
911401602502	BCP170 9LED WW 12V 12 IP68	12°	830 warm white
911401602602	BCP170 9LED RGB 12V 36 IP68	36°	-
911401619902	BCP170 9LED WW 12V 12 IP68 C	12°	830 warm white
911401620002	BCP170 9LED WW 12V 36 IP68 C	36°	830 warm white
911401620102	BCP170 9LED NW 12V 12 IP68 C	12°	740 neutral white
911401620202	BCP170 9LED NW 12V 36 IP68 C	36°	740 neutral white
911401620302	BCP170 9LED RGB 12V 12 IP68 C	12°	-
911401620402	BCP170 9LED RGB 12V 36 IP68 C	36°	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	Rendering Index	Initial luminous flux
911401602102	BCP170 9LED NW 12V 36 IP68	4000 K	>70	870 lm
911401602202	BCP170 9LED WW 12V 36 IP68	3000 K	>80	790 lm
911401602302	BCP170 9LED RGB 12V 12 IP68	-	Not applicable	370 lm
911401602402	BCP170 9LED NW 12V 12 IP68	4000 K	>70	790 lm
911401602502	BCP170 9LED WW 12V 12 IP68	3000 K	>80	700 lm
911401602602	BCP170 9LED RGB 12V 36 IP68	-	Not applicable	370 lm

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	Rendering Index	Initial luminous flux
911401619902	BCP170 9LED WW 12V 12 IP68 C	3000 K	>80	700 lm
911401620002	BCP170 9LED WW 12V 36 IP68 C	3000 K	>80	790 lm
911401620102	BCP170 9LED NW 12V 12 IP68 C	4000 K	>70	790 lm
911401620202	BCP170 9LED NW 12V 36 IP68 C	4000 K	>70	870 lm
911401620302	BCP170 9LED RGB 12V 12 IP68 C	-	Not applicable	370 lm
911401620402	BCP170 9LED RGB 12V 36 IP68 C	-	Not applicable	370 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
911401602102	BCP170 9LED NW 12V 36 IP68	Silver and black
911401602202	BCP170 9LED WW 12V 36 IP68	Silver and black
911401602302	BCP170 9LED RGB 12V 12 IP68	Silver and black
911401602402	BCP170 9LED NW 12V 12 IP68	Silver and black
911401602502	BCP170 9LED WW 12V 12 IP68	Silver and black
911401602602	BCP170 9LED RGB 12V 36 IP68	Silver and black

Order Code	Full Product Name	Colour
911401619902	BCP170 9LED WW 12V 12 IP68 C	Copper-bronze
911401620002	BCP170 9LED WW 12V 36 IP68 C	Copper-bronze
911401620102	BCP170 9LED NW 12V 12 IP68 C	Copper-bronze
911401620202	BCP170 9LED NW 12V 36 IP68 C	Copper-bronze
911401620302	BCP170 9LED RGB 12V 12 IP68 C	Copper-bronze
911401620402	BCP170 9LED RGB 12V 36 IP68 C	Copper-bronze

