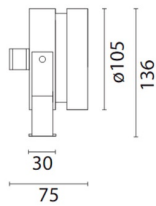


Last information update: May 2024

Product configuration: BH91

BH91: Floodlight for immersion - Floodlight 61 LEDs - 700mA DC



L=109 mm

Product codeBH91: Floodlight for immersion - Floodlight 61 LEDs - 700mA DC **Attention! Code no longer in production****Technical description**

RGB floodlight for permanent immersion, IP68 5m. Adjustable about the vertical axis and relative to the horizontal plane. The luminaire is made strictly of AISI 316L stainless steel to guarantee maximum lasting reliability in pools and fountains (fresh water). Clear, transparent 6mm thick tempered closing glass. All screws used are made of stainless steel and the seals are silicone. The product is supplied with a 4m long 2x0,5NS20N power cable. The luminaire technical characteristics conform to EN60598-2-18 standards and particular requirements. IP68 - IK08. The luminaire is complete with 6 LEDs (6x3,5W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 700mA DC external driver.

Colour

Steel (13)

Mounting

ground surface

Notes

Permanent immersion

Complies with EN60598-1 and pertinent regulations



IK08

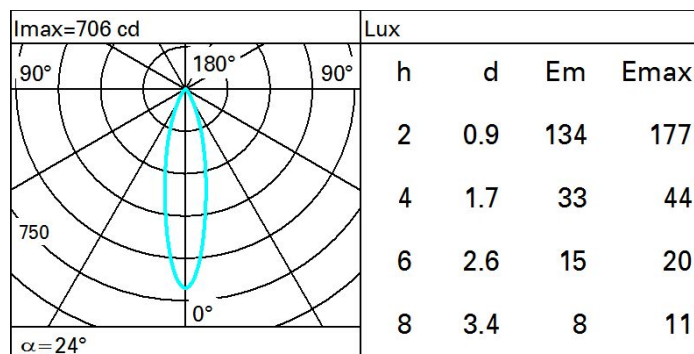
IP68

EAC

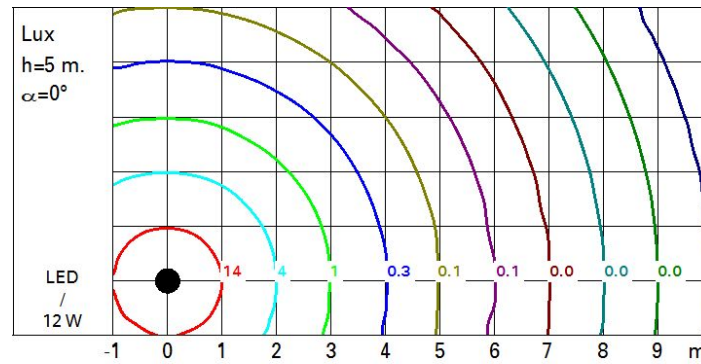
**Technical data**

lm system: 203
W system: 12
lm source: 290
W source: 8.6
Luminous efficiency (lm/W, real value): 16.9
lm in emergency mode: -
Total light flux at or above an angle of 90° [Lm]: 0
Light Output Ratio (L.O.R.) [%]: 70

Beam angle [°]: 24°
Colour temperature [K]: RGB
Lamp code: LED
Number of lamps for optical assembly: 1
ZVEI Code: LED
Number of optical assemblies: 1
Intervallo temperatura ambiente: from -20°C to +35°C.
LED current [mA]: 50

Polar

Isolux



UGR diagram

Corrected UGR values (at 290 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	8.5	10.4	8.9	10.7	11.0	8.5	10.4	8.9	10.7	11.0
	3H	8.7	10.1	9.1	10.5	10.8	8.6	10.0	8.9	10.3	10.7
	4H	8.7	10.0	9.1	10.3	10.7	8.5	9.8	8.9	10.1	10.5
	6H	8.7	9.9	9.1	10.2	10.6	8.5	9.6	8.9	10.0	10.3
	8H	8.7	9.8	9.1	10.2	10.5	8.5	9.6	8.9	9.9	10.3
	12H	8.7	9.8	9.1	10.1	10.5	8.4	9.5	8.8	9.9	10.2
4H	2H	8.5	9.8	8.9	10.1	10.5	8.7	10.0	9.1	10.3	10.7
	3H	8.8	9.9	9.2	10.2	10.6	8.8	9.9	9.2	10.3	10.7
	4H	8.8	9.9	9.2	10.2	10.7	8.8	9.9	9.2	10.2	10.7
	6H	8.6	10.1	9.1	10.6	11.0	8.6	10.1	9.1	10.5	11.0
	8H	8.5	10.2	9.0	10.6	11.1	8.5	10.1	9.0	10.6	11.1
	12H	8.5	10.2	9.0	10.7	11.2	8.4	10.1	8.9	10.6	11.1
8H	4H	8.5	10.1	9.0	10.6	11.1	8.5	10.2	9.0	10.6	11.1
	6H	8.5	10.1	9.0	10.6	11.1	8.5	10.1	9.0	10.6	11.1
	8H	8.5	10.0	9.0	10.5	11.0	8.5	10.0	9.0	10.5	11.0
	12H	8.7	9.6	9.2	10.1	10.7	8.7	9.6	9.2	10.1	10.7
12H	4H	8.4	10.1	8.9	10.6	11.1	8.5	10.2	9.0	10.7	11.2
	6H	8.5	9.9	9.0	10.4	11.0	8.5	10.0	9.0	10.4	11.0
	8H	8.7	9.6	9.2	10.1	10.7	8.7	9.6	9.2	10.1	10.7
Variations with the observer position at spacing:											
S =		1.0H	2.5 / -2.3				2.5 / -2.3				
		1.5H	4.7 / -3.4				4.7 / -3.4				
		2.0H	6.5 / -4.1				6.5 / -4.1				