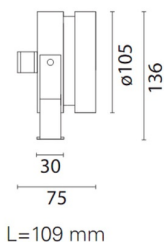


Last information update: May 2018



Floodlight for immersion - Floodlight 6 LEDs - 350mA DC

Product code
BH89

Technical description

Monochrome 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 Cool White LEDs (6x1,2W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 700mA DC external driver

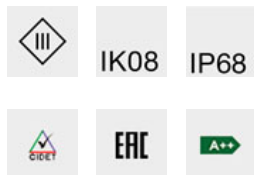
Dimension (mm)
136x109x25

Colour
Steel (13)

Mounting
ground surface

Notes
Permanent immersion

Complies with EN60598-1 and pertinent regulations



Product configuration: BH89

Product characteristics

Total lighting output [Lm]: 631
Total power [W]: 6.2
Luminous efficacy [Lm/W]: 101.8
Life Time: 100,000h - L80 - B10 (Ta 25°C)
Number of optical assemblies: 1

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Ambient temperature range: from -20°C to +35°C.

Optical assembly Characteristics Type 1

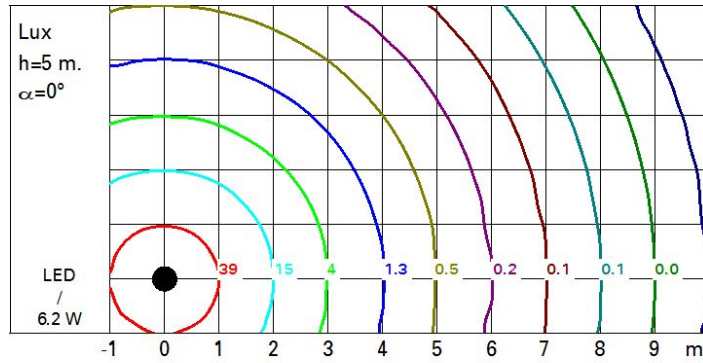
Light Output Ratio (L.O.R.) [%]: 77
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 6.2
Nominal luminous [Lm]: 820
Lamp maximum intensity [cd]: /
Beam angle [°]: 30°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0
Colour temperature [K]: 6500
CRI: 70
Wavelength [Nm]: /
MacAdam Step: /

Polar

Imax=1571 cd	Lux			
	h	d	Em	Emax
90°	1	0.5	1202	1571
1500	2	1.1	301	393
0°	3	1.6	134	175
α = 30°	4	2.1	75	98

Isolux



UGR diagram

Corrected UGR values (at 820 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/cav		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	14.2	14.9	14.5	15.1	15.4	14.2	14.9	14.5	15.1	15.4
	3H	14.5	15.1	14.8	15.3	15.6	14.3	14.9	14.6	15.2	15.5
	4H	14.5	15.1	14.9	15.4	15.7	14.3	14.8	14.6	15.1	15.4
	6H	14.5	15.0	14.9	15.4	15.7	14.2	14.8	14.6	15.1	15.4
	8H	14.5	15.0	14.9	15.3	15.7	14.2	14.7	14.6	15.0	15.4
12H	14.5	15.0	14.9	15.3	15.6	14.2	14.6	14.5	15.0	15.3	
4H	2H	14.3	14.8	14.6	15.1	15.4	14.5	15.1	14.9	15.4	15.7
	3H	14.6	15.1	15.0	15.4	15.8	14.7	15.1	15.0	15.5	15.8
	4H	14.7	15.1	15.1	15.5	15.9	14.7	15.1	15.1	15.5	15.9
	6H	14.7	15.1	15.2	15.5	15.9	14.7	15.1	15.1	15.5	15.9
	8H	14.7	15.1	15.2	15.5	15.9	14.7	15.0	15.1	15.4	15.9
12H	14.7	15.0	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.8	
8H	4H	14.7	15.0	15.1	15.4	15.9	14.7	15.1	15.2	15.5	15.9
	6H	14.7	15.0	15.2	15.5	15.9	14.7	15.0	15.2	15.5	15.9
	8H	14.7	15.0	15.2	15.4	15.9	14.7	15.0	15.2	15.4	15.9
	12H	14.7	14.9	15.2	15.4	15.9	14.7	14.9	15.2	15.4	15.9
12H	4H	14.6	14.9	15.1	15.4	15.8	14.7	15.0	15.1	15.4	15.9
	6H	14.7	14.9	15.2	15.4	15.9	14.7	15.0	15.2	15.4	15.9
	8H	14.7	14.9	15.2	15.4	15.9	14.7	14.9	15.2	15.4	15.9
Variations with the observer position at spacing:											
S =	1.0H	2.3 / -2.0				2.3 / -2.0					
	1.5H	4.4 / -3.1				4.4 / -3.1					
	2.0H	6.2 / -3.7				6.2 / -3.7					