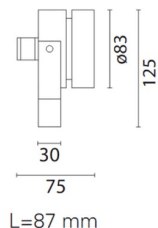


Last information update: May 2018

**Floodlight - immersion 3 LEDs - 350mA DC****Product code**

BH81

**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 3 Neutral White LEDs (3x1,2W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 350mA DC external driver.

**Installation**

Ground recessed/wall recessed

**Dimension (mm)**

125x87x75

**Colour**

Steel (13)

**Mounting**

wall recessed/ground recessed

**Notes**

Permanent immersion

Complies with EN60598-1 and pertinent regulations



IK08

IP68

**Product configuration: BH81****Product characteristics**

Total lighting output [Lm]: 258  
Total power [W]: 3.1  
Luminous efficacy [Lm/W]: 83.4  
Life Time: 100,000h - L80 - B10 (Ta 25°C)  
Number of optical assemblies: 1

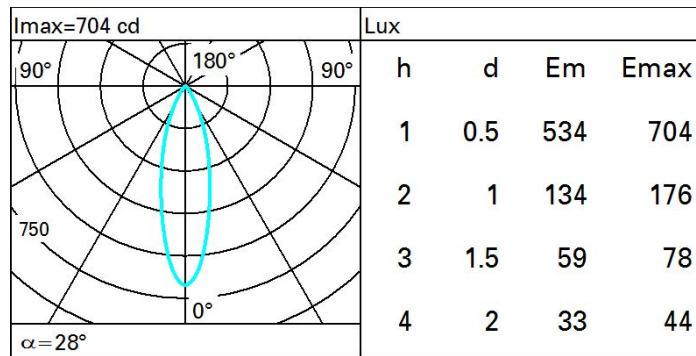
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Ambient temperature range: from -20°C to +35°C.

**Optical assembly Characteristics Type 1**

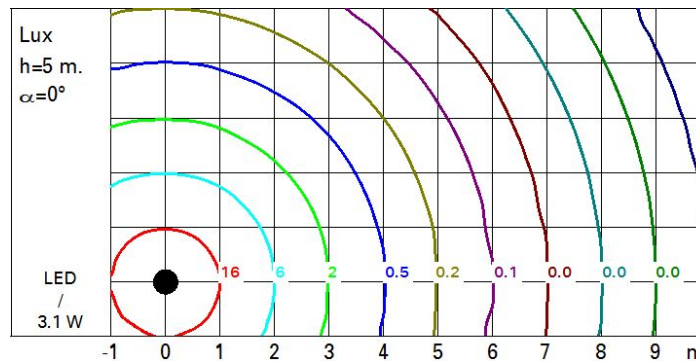
Light Output Ratio (L.O.R.) [%]: 76  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 3.1  
Nominal luminous [Lm]: 340  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 28°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 0  
Colour temperature [K]: 4000  
CRI: 75  
Wavelength [Nm]: /  
MacAdam Step: /

### Polar



### Isolux



### UGR diagram

Corrected UGR values (at 340 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	11.7	12.4	12.0	12.6	12.9	11.7	12.4	12.0	12.6	12.9
	3H	12.0	12.5	12.3	12.8	13.1	11.8	12.4	12.1	12.7	12.9
	4H	12.0	12.6	12.3	12.9	13.2	11.8	12.3	12.1	12.6	12.9
	6H	12.0	12.5	12.4	12.8	13.2	11.7	12.2	12.1	12.6	12.9
	8H	12.0	12.5	12.4	12.8	13.2	11.7	12.2	12.1	12.5	12.9
	12H	12.0	12.4	12.4	12.8	13.1	11.7	12.1	12.0	12.5	12.8
4H	2H	11.8	12.3	12.1	12.6	12.9	12.0	12.6	12.3	12.9	13.2
	3H	12.1	12.5	12.5	12.9	13.2	12.1	12.6	12.5	13.0	13.3
	4H	12.2	12.6	12.6	13.0	13.3	12.2	12.6	12.6	13.0	13.3
	6H	12.2	12.6	12.6	13.0	13.4	12.2	12.5	12.6	12.9	13.3
	8H	12.2	12.5	12.6	13.0	13.4	12.1	12.5	12.6	12.9	13.3
	12H	12.2	12.5	12.6	12.9	13.4	12.1	12.4	12.6	12.8	13.3
8H	4H	12.1	12.5	12.6	12.9	13.3	12.2	12.5	12.6	13.0	13.4
	6H	12.2	12.5	12.7	12.9	13.4	12.2	12.5	12.7	13.0	13.4
	8H	12.2	12.5	12.7	12.9	13.4	12.2	12.5	12.7	12.9	13.4
	12H	12.2	12.4	12.7	12.9	13.4	12.2	12.4	12.7	12.9	13.4
12H	4H	12.1	12.4	12.6	12.8	13.3	12.2	12.5	12.6	12.9	13.4
	6H	12.2	12.4	12.7	12.9	13.4	12.2	12.4	12.7	12.9	13.4
	8H	12.2	12.4	12.7	12.9	13.4	12.2	12.4	12.7	12.9	13.4
Variations with the observer position at spacing:											
S =		1.0H	2.5 / -2.1				2.5 / -2.1				
		1.5H	4.7 / -3.2				4.7 / -3.2				
		2.0H	6.5 / -3.8				6.5 / -3.8				