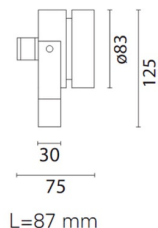


Last information update: May 2018

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

BH85

**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 6x0,5NS20N power cable. The luminaire technical characteristics conform to EN60598-2-18 standards and particular requirements. IP68 - IK08. The luminaire is complete with 3 LEDs (3x3,5W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 350mA DC external driver.

**Dimension (mm)**

125x87

**Colour**

Steel (13)

**Mounting**

ground surface

**Notes**

Permanent immersion

Complies with EN60598-1 and pertinent regulations

**Product configuration: BH85****Product characteristics**

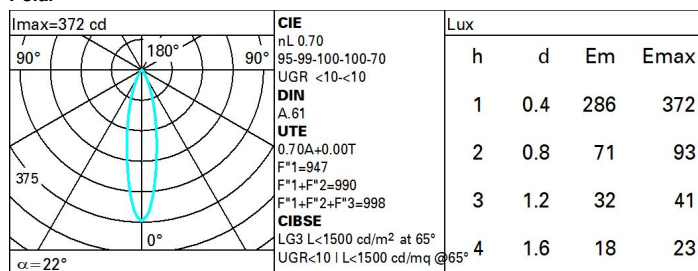
Total lighting output [Lm]: 98  
 Total power [W]: 8  
 Luminous efficacy [Lm/W]: 12.2  
 Ambient temperature range: from -20°C to +35°C.

Total luminous flux at or above an angle of 90° [Lm]: 0  
 Emergency luminous flux [Lm]: /  
 Voltage [V]: -  
 Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 70  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 4.3  
 Nominal luminous [Lm]: 140  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: 22°

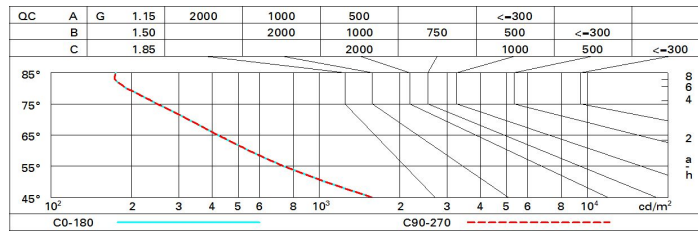
Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 3.7  
 Colour temperature [K]: /  
 CRI: /  
 Wavelength [Nm]: /  
 MacAdam Step: /

**Polar**

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	58	55	53	57	55	54	52	75
1.0	64	61	59	57	60	58	58	55	79
1.5	68	66	64	62	65	63	62	60	86
2.0	70	69	67	66	68	66	66	63	91
2.5	72	70	69	68	69	68	68	66	94
3.0	73	72	71	70	71	70	69	67	96
4.0	74	73	72	72	72	71	70	68	98
5.0	74	74	73	73	72	72	71	69	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 140 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceill/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											
x	y										
2H	2H	6.5	8.4	6.9	8.7	9.0	6.5	8.4	6.9	8.7	9.0
	3H	6.6	8.1	7.0	8.4	8.7	6.5	8.0	6.9	8.3	8.6
	4H	6.6	7.9	7.0	8.2	8.6	6.5	7.8	6.9	8.1	8.4
	6H	6.6	7.7	7.0	8.0	8.4	6.4	7.5	6.8	7.9	8.2
	8H	6.6	7.7	7.0	8.0	8.4	6.4	7.5	6.8	7.8	8.2
	12H	6.5	7.6	6.9	8.0	8.4	6.3	7.4	6.8	7.8	8.2
4H	2H	6.5	7.8	6.9	8.1	8.4	6.6	7.9	7.0	8.2	8.6
	3H	6.6	7.7	7.0	8.1	8.5	6.7	7.7	7.1	8.1	8.5
	4H	6.6	7.7	7.1	8.1	8.5	6.6	7.7	7.1	8.1	8.5
	6H	6.4	7.9	6.9	8.4	8.8	6.4	7.9	6.9	8.3	8.8
	8H	6.3	8.0	6.8	8.5	8.9	6.3	8.0	6.8	8.4	8.9
	12H	6.3	8.0	6.8	8.5	9.0	6.2	7.9	6.7	8.4	8.9
8H	4H	6.3	8.0	6.8	8.4	8.9	6.3	8.0	6.8	8.5	8.9
	6H	6.3	7.9	6.8	8.4	8.9	6.3	7.9	6.8	8.4	8.9
	8H	6.3	7.7	6.8	8.2	8.8	6.3	7.7	6.8	8.2	8.8
	12H	6.5	7.4	7.0	7.9	8.4	6.4	7.4	7.0	7.9	8.4
12H	4H	6.2	7.9	6.7	8.4	8.9	6.3	8.0	6.8	8.5	9.0
	6H	6.3	7.7	6.8	8.2	8.7	6.3	7.7	6.8	8.2	8.8
	8H	6.4	7.4	7.0	7.9	8.4	6.5	7.4	7.0	7.9	8.4
Variations with the observer position at spacing:											
S =	1.0H	2.7 / -2.7				2.7 / -2.7					
	1.5H	5.0 / -4.0				5.0 / -4.0					
	2.0H	6.9 / -4.8				6.9 / -4.8					