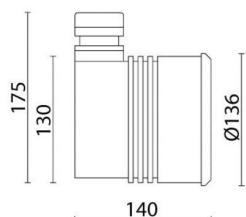


Last information update: May 2018

**Recessed luminaires for swimming pools - Recessed luminaire 3 RGB LEDs****Product code**

BI04

Technical description

RGB recessed luminaire for permanent immersion, IP68 10m. 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 3m 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)

140x136

Colour

Steel (13)

Weight (Kg)

2.9

Mounting

wall recessed|ground recessed

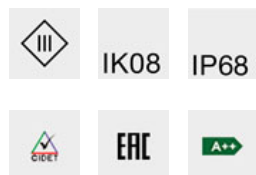
Wiring

Permanent immersion

Notes

Permanent immersion

Complies with EN60598-1 and pertinent regulations

**Product configuration: BI04****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.

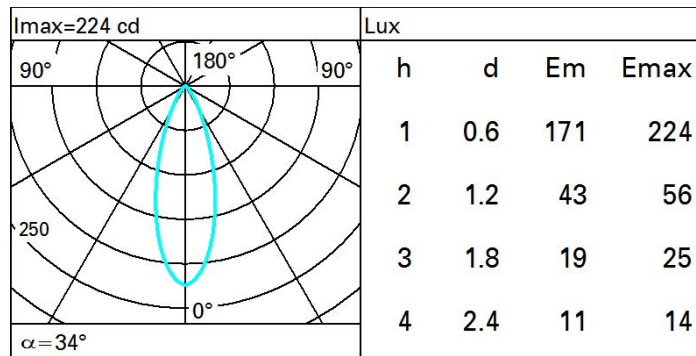
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

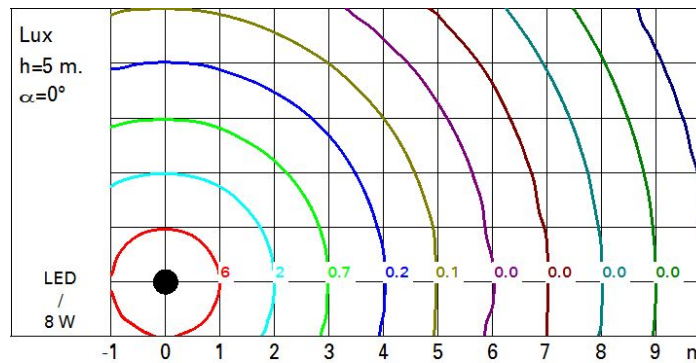
Light Output Ratio (L.O.R.) [%]: 70
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 4.5
 Nominal luminous [Lm]: 140
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 34°

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 3.5
 Colour temperature [K]: /
 CRI: /
 Wavelength [nm]: /
 MacAdam Step: /

Polar



Isolux



UGR diagram

Corrected UGR values (at 140 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	0.5	7.2	0.8	7.4	7.7	0.5	7.2	0.8	7.4	7.7
	3H	0.5	7.1	0.8	7.4	7.6	0.5	7.1	0.8	7.3	7.6
	4H	0.5	7.0	0.8	7.3	7.6	0.4	7.0	0.7	7.3	7.6
	6H	0.4	6.9	0.8	7.2	7.6	0.3	6.8	0.7	7.2	7.5
	8H	0.4	6.9	0.7	7.2	7.5	0.3	6.8	0.7	7.1	7.5
	12H	0.3	6.8	0.7	7.2	7.5	0.3	6.7	0.6	7.1	7.4
4H	2H	0.4	7.0	0.7	7.3	7.6	0.5	7.0	0.8	7.3	7.6
	3H	0.4	6.9	0.8	7.2	7.6	0.4	6.9	0.8	7.2	7.6
	4H	0.4	6.8	0.8	7.1	7.5	0.4	6.8	0.8	7.1	7.5
	6H	0.3	6.7	0.8	7.1	7.5	0.3	6.7	0.7	7.1	7.5
	8H	0.3	6.6	0.7	7.0	7.5	0.3	6.6	0.7	7.0	7.5
	12H	0.3	6.6	0.7	7.0	7.4	0.2	6.5	0.7	7.0	7.4
8H	4H	0.3	6.6	0.7	7.0	7.5	0.3	6.6	0.7	7.0	7.5
	6H	0.2	6.5	0.7	7.0	7.4	0.2	6.5	0.7	7.0	7.4
	8H	0.2	6.4	0.7	6.9	7.4	0.2	6.4	0.7	6.9	7.4
	12H	0.2	6.4	0.7	6.9	7.4	0.2	6.4	0.7	6.9	7.4
12H	4H	0.2	6.5	0.7	7.0	7.4	0.3	6.6	0.7	7.0	7.4
	6H	0.2	6.4	0.7	6.9	7.4	0.2	6.4	0.7	6.9	7.4
	8H	0.2	6.4	0.7	6.9	7.4	0.2	6.4	0.7	6.9	7.4
Variations with the observer position at spacing:											
S =		3.2 / -4.4					3.2 / -4.4				
		5.7 / -6.3					5.7 / -6.3				
		7.6 / -7.1					7.6 / -7.1				