Design iGuzzini

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130

140

Recessed luminaires for swimming pools - Recessed luminaire 3 LEDs - 350mA DC

Product code

BI00

Technical description

Monochrome 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 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.

Dimension (mm)

140x136

Colour

Steel (13)

Mounting

wall recessed|ground recessed

Notes

Permanent immersion

Complies with EN60598-1 and pertinent regulations













Product configuration: BI00

Product characteristics

Total lighting output [Lm]: 240

Total power [W]: 3.1

Luminous efficacy [Lm/W]: 77.5 Life Time: 100,000h - L80 - B10 (Ta 25°C)

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 73

Lamp code: LED ZVEI Code: LED Nominal power [W]: 3.1

Nominal luminous [Lm]: 330 Lamp maximum intensity [cd]: /

Beam angle [°]: 38°

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.

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 0 Colour temperature [K]: 4000

CRI: 75

Wavelength [Nm]: / MacAdam Step: /

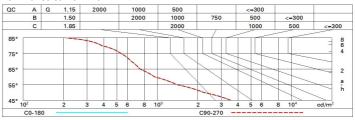
Polar

Imax=468 cd		Lux			
90° 180° 90°	nL 0.73 92-99-100-100-73	h	d	Em	Emax
	UGR 11.0-11.0 DIN A.61 UTE	1	0.7	354	468
	0.73A+0.00T F"1=915	2	1.4	88	117
525	F"1+F"2=985 F"1+F"2+F"3=998	3	2.1	39	52
α=38°	LG3 L<1500 cd/m ² at 65° UGR<16 L<1500 cd/mq @	_{65°} 4	2.8	22	29

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	59	56	54	58	56	55	52	72
1.0	66	63	60	58	62	59	59	56	77
1.5	70	68	65	64	67	65	64	62	85
2.0	73	71	69	68	70	68	68	65	90
2.5	74	73	72	70	72	71	70	68	93
3.0	75	74	73	72	73	72	71	69	95
4.0	77	76	75	74	74	74	73	71	97
5.0	77	76	76	75	75	75	73	71	98

Luminance curve limit



UGR diagram

Rifle	nt ·											
Riflect.: ceil/cav walls work pl. Room dim		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			
		viewed					viewed					
x	У	crosswise					endwise					
2H	2H	11.0	11.7	11.3	11.9	12.2	11.0	11.7	11.3	11.9	12.2	
	ЗН	11.0	11.7	11.3	11.9	12.2	10.9	11.6	11.3	11.8	12.1	
	4H	11.0	11.6	11.4	11.9	12.2	10.9	11.5	11.2	11.8	12.1	
	бН	11.0	11.5	11.4	11.9	12.2	10.8	11.4	11.2	11.7	12.0	
	8H	11.0	11.5	11.4	11.8	12.2	10.8	11.3	11.2	11.7	12.0	
	12H	11.0	11.5	11.3	11.8	12.1	10.8	11.3	11.1	11.6	12.0	
4H	2H	10.9	11.5	11.2	11.8	12.1	11.0	11.6	11.4	11.9	12.2	
	ЗН	11.0	11.5	11.4	11.8	12.2	11.1	11.6	11.4	11.9	12.2	
	4H	11.0	11.5	11.4	11.8	12.2	11.0	11.5	11.4	11.8	12.2	
	6H	11.0	11.4	11.5	11.8	12.2	11.0	11.4	11.4	11.8	12.2	
	HS	11.0	11.4	11.5	11.8	12.2	11.0	11.3	11.4	11.7	12.2	
	12H	11.0	11.3	11.4	11.7	12.2	10.9	11.3	11.4	11.7	12.1	
вн	4H	11.0	11.3	11.4	11.7	12.2	11.0	11.4	11.5	11.8	12.2	
	6H	11.0	11.3	11.5	11.7	12.2	11.0	11.3	11.5	11.7	12.2	
	HS	11.0	11.2	11.5	11.7	12.2	11.0	11.2	11.5	11.7	12.2	
	12H	11.0	11.2	11.5	11.7	12.2	11.0	11.2	11.5	11.7	12.2	
12H	4H	10.9	11.3	11.4	11.7	12.1	11.0	11.3	11.4	11.7	12.2	
	бН	11.0	11.2	11.5	11.7	12.2	11.0	11.2	11.5	11.7	12.2	
	H8	11.0	11.2	11.5	11.7	12.2	11.0	11.2	11.5	11.7	12.2	
Varia	tions wi	th the ob	oserverp	osition	at spacin	ıg:						
S =	1.0H	2.7 / -3.2					2.7 / -3.2					
	1.5H		5	.0 / -4.	6	5.0 / -4.6						
	2.0H		6	.8 / -5.	2	6.8 / -5.2						