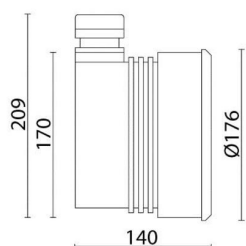


Last information update: May 2024

Product configuration: BI08

BI08: Recessed luminaires for swimming pools - Recessed luminaire 9 LEDs - 1050mA DC

**Product code**BI08: Recessed luminaires for swimming pools - Recessed luminaire 9 LEDs - 1050mA DC **Attention! Code no longer in production****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 9 Cool White LEDs (9x1,2W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 1050mA DC external driver.

Colour

Steel (13)

Mounting

wall recessed/ground recessed

Notes

Permanent immersion

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	870	CRI (minimum):	70
W system:	9.1	Colour temperature [K]:	6500
lm source:	1150	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	9.1	Lamp code:	LED
Luminous efficiency (lm/W, real value):	95.6	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	76	Intervallo temperatura ambiente:	from -20°C to +35°C.
Beam angle [°]:	36°	LED current [mA]:	350

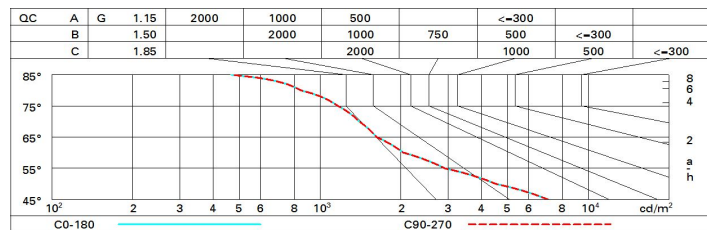
Polar

Imax=1715 cd		CIE nL 0.76 91-98-100-100-76 UGR 13.6-13.5 DIN A.61 UTE 0.76A+0.00T F*1=914 F*1+F*2=984 F*1+F*2+F*3=998 CIBSE LG3 L<3000 cd/m² at 65° UGR<16 L<3000 cd/mq @65°	Lux			
90°	180°		h	d	Em	Emax
			4	2.6	83	107
			8	5.2	21	27
			12	7.8	9	12
			16	10.4	5	7

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	61	58	56	60	58	57	55	72
1.0	69	65	62	60	64	62	61	58	77
1.5	73	70	68	66	69	67	67	64	85
2.0	76	74	72	70	73	71	70	68	90
2.5	77	76	74	73	75	73	73	70	93
3.0	78	77	76	75	76	75	74	72	95
4.0	80	79	78	77	77	77	76	73	97
5.0	80	79	79	78	78	78	76	74	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 1150 lm bare lamp luminous flux)											
Reflect.: ceiling 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	13.4	14.1	13.7	14.3	14.6	13.4	14.1	13.7	14.3	14.6
	3H	13.5	14.1	13.8	14.4	14.7	13.4	14.0	13.7	14.3	14.6
	4H	13.5	14.1	13.8	14.4	14.7	13.4	13.9	13.7	14.2	14.5
	6H	13.5	14.0	13.8	14.4	14.7	13.3	13.8	13.6	14.1	14.5
	8H	13.5	14.0	13.8	14.3	14.7	13.3	13.8	13.6	14.1	14.5
	12H	13.4	13.9	13.8	14.3	14.6	13.2	13.7	13.6	14.1	14.4
4H	2H	13.4	13.9	13.7	14.2	14.5	13.5	14.1	13.8	14.4	14.7
	3H	13.5	14.0	13.9	14.3	14.7	13.6	14.1	13.9	14.4	14.7
	4H	13.6	14.0	14.0	14.4	14.7	13.6	14.0	14.0	14.4	14.7
	6H	13.6	14.0	14.0	14.3	14.8	13.5	13.9	14.0	14.3	14.7
	8H	13.6	13.9	14.0	14.3	14.8	13.5	13.8	13.9	14.3	14.7
	12H	13.5	13.8	14.0	14.3	14.7	13.5	13.8	13.9	14.2	14.7
8H	4H	13.5	13.8	13.9	14.3	14.7	13.6	13.9	14.0	14.3	14.8
	6H	13.5	13.8	14.0	14.3	14.8	13.6	13.8	14.0	14.3	14.8
	8H	13.5	13.8	14.0	14.2	14.7	13.5	13.8	14.0	14.2	14.7
	12H	13.5	13.7	14.0	14.2	14.7	13.5	13.7	14.0	14.2	14.7
12H	4H	13.5	13.8	13.9	14.2	14.7	13.5	13.8	14.0	14.3	14.7
	6H	13.5	13.8	14.0	14.2	14.7	13.5	13.8	14.0	14.2	14.7
	8H	13.5	13.7	14.0	14.2	14.7	13.5	13.7	14.0	14.2	14.7
Variations with the observer position at spacing:											
S =	1.0H	2.5 / -2.9					2.5 / -2.9				
	1.5H	4.8 / -4.2					4.8 / -4.2				
	2.0H	6.7 / -4.8					6.7 / -4.8				