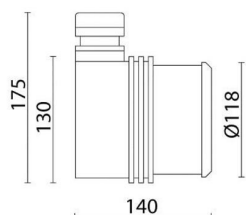
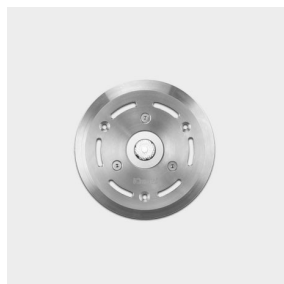


Last information update: May 2024

**Product configuration: BH96**

BH96: Recessed luminaires for fountains - Recessed luminaire 1 LED - 350mA DC

**Product code**BH96: Recessed luminaires for fountains - Recessed luminaire 1 LED - 350mA 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 1 Cool White LED (1x1,2W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 350mA DC external driver.

**Colour**

Steel (13)

**Mounting**

wall recessed/ground recessed

**Notes**

Permanent immersion

Complies with EN60598-1 and pertinent regulations



IK08

IP68

**Technical data**

Im system:	89	CRI (minimum):	70
W system:	1.1	Colour temperature [K]:	6500
Im source:	140	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	1.1	Lamp code:	LED
Luminous efficiency (Im/W, real value):	81.1	Number of lamps for optical assembly:	1
Im 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.) [%]:	64	Intervallo temperatura ambiente:	from -20°C to +35°C.
Beam angle [°]:	38°	LED current [mA]:	350

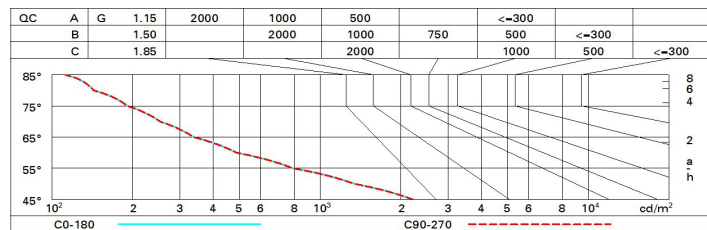
**Polar**

		<b>CIE</b> nL 0.64 92-99-100-100-64 UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b> 0.64A+0.00T F*1=921 F*1+F*2=990 F*1+F*2+F*3=999 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @65°		<b>Lux</b>			
h	d	Em	Emax				
1	0.7	128	167				
2	1.4	32	42				
3	2.1	14	19				
4	2.8	8	10				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	55	52	49	47	51	49	49	46	73
1.0	58	55	53	51	54	52	52	50	78
1.5	62	59	57	56	59	57	56	54	85
2.0	64	62	61	60	61	60	59	57	90
2.5	65	64	63	62	63	62	61	59	93
3.0	66	65	64	64	64	63	63	61	95
4.0	67	66	66	65	65	65	64	62	97
5.0	68	67	66	66	66	65	64	63	98

# Luminance curve limit



# 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	9.4	10.1	9.7	10.3	10.6	9.4	10.1	9.7	10.3	10.6
	3H	9.3	10.0	9.7	10.2	10.5	9.3	9.9	9.6	10.2	10.5
	4H	9.3	9.9	9.6	10.2	10.5	9.3	9.8	9.6	10.1	10.4
	6H	9.2	9.8	9.6	10.1	10.4	9.2	9.7	9.5	10.0	10.4
	8H	9.2	9.7	9.6	10.0	10.4	9.2	9.7	9.5	10.0	10.3
	12H	9.2	9.7	9.5	10.0	10.4	9.1	9.6	9.5	9.9	10.3
4H	2H	9.3	9.8	9.6	10.1	10.4	9.3	9.9	9.6	10.2	10.5
	3H	9.2	9.7	9.6	10.1	10.4	9.2	9.7	9.6	10.1	10.4
	4H	9.2	9.6	9.6	10.0	10.4	9.2	9.6	9.6	10.0	10.4
	6H	9.1	9.5	9.6	9.9	10.3	9.1	9.5	9.5	9.9	10.3
	8H	9.1	9.4	9.5	9.9	10.3	9.1	9.4	9.5	9.8	10.3
	12H	9.1	9.4	9.5	9.8	10.3	9.0	9.3	9.5	9.8	10.2
8H	4H	9.1	9.4	9.5	9.8	10.3	9.1	9.4	9.5	9.9	10.3
	6H	9.0	9.3	9.5	9.8	10.2	9.0	9.3	9.5	9.8	10.2
	8H	9.0	9.2	9.5	9.7	10.2	9.0	9.2	9.5	9.7	10.2
	12H	9.0	9.2	9.5	9.7	10.2	9.0	9.2	9.5	9.6	10.2
12H	4H	9.0	9.3	9.5	9.8	10.2	9.1	9.4	9.5	9.8	10.3
	6H	9.0	9.2	9.5	9.7	10.2	9.0	9.2	9.5	9.7	10.2
	8H	9.0	9.2	9.5	9.6	10.2	9.0	9.2	9.5	9.7	10.2
Variations with the observer position at spacing:											
S =	1.0H	3.1 / -4.4					3.1 / -4.4				
	1.5H	5.5 / -6.7					5.5 / -6.7				
	2.0H	7.5 / -7.8					7.5 / -7.8				