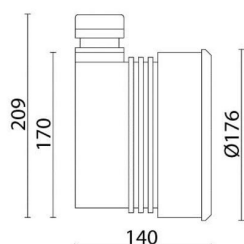


Last information update: October 2024

**Product configuration: BI10**

BI10: Ledplus - Recessed luminaire 9 LEDs - 1050mA DC

**Product code**BI10: Ledplus - Recessed luminaire 9 LEDs - 1050mA DC **Attention! Code no longer in production****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 9 LEDs (9x3,5W). Optical assembly opening is not required for its installation. Insulation class III. The luminaire must be powered by a 600mA 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:	238	Beam angle [°]:	32°
W system:	14	Colour temperature [K]:	RGB
lm source:	340	Lamp code:	LED
W source:	9	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	17	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -20°C to +35°C.
Light Output Ratio (L.O.R.) [%]:	70	LED current [mA]:	50

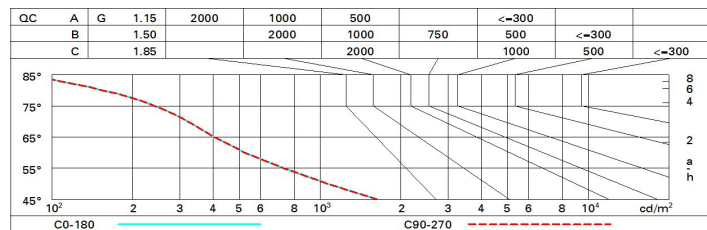
**Polar**

	<b>CIE</b> nL 0.70 93-99-100-100-70 UGR <10-10 <b>DIN</b> A.61 <b>UTE</b> 0.70A+0.00T F*1=927 F*1+F*2=987 F*1+F*2+F*3=998 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @65°			
	h	d	Em	E <sub>max</sub>
	2	1.1	110	144
	4	2.3	27	36
	6	3.4	12	16

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	54	52	56	54	54	51	73
1.0	64	60	58	56	60	57	57	55	78
1.5	68	65	63	61	64	63	62	60	85
2.0	70	68	67	65	67	66	65	63	90
2.5	72	70	69	68	69	68	67	65	93
3.0	73	72	71	70	70	70	69	67	95
4.0	74	73	72	71	72	71	70	68	97
5.0	74	74	73	73	72	72	71	69	99

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 340 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	7.8	8.4	8.1	8.7	8.9	7.8	8.4	8.1	8.7	8.9
	3H	7.9	8.5	8.2	8.7	9.0	7.8	8.4	8.1	8.6	8.9
	4H	7.9	8.4	8.2	8.7	9.0	7.7	8.3	8.1	8.6	8.9
	6H	7.8	8.4	8.2	8.7	9.0	7.7	8.2	8.0	8.5	8.8
	8H	7.8	8.3	8.2	8.6	9.0	7.7	8.1	8.0	8.5	8.8
	12H	7.8	8.2	8.2	8.6	8.9	7.6	8.1	8.0	8.4	8.8
4H	2H	7.7	8.3	8.1	8.6	8.9	7.9	8.4	8.2	8.7	9.0
	3H	7.9	8.4	8.3	8.7	9.1	7.9	8.4	8.3	8.7	9.1
	4H	7.9	8.3	8.3	8.7	9.1	7.9	8.3	8.3	8.7	9.1
	6H	7.9	8.3	8.3	8.7	9.1	7.9	8.2	8.3	8.6	9.1
	8H	7.9	8.2	8.3	8.6	9.1	7.8	8.2	8.3	8.6	9.0
	12H	7.8	8.1	8.3	8.6	9.0	7.8	8.1	8.3	8.5	9.0
8H	4H	7.8	8.2	8.3	8.6	9.0	7.9	8.2	8.3	8.6	9.1
	6H	7.8	8.1	8.3	8.6	9.0	7.8	8.1	8.3	8.6	9.0
	8H	7.8	8.1	8.3	8.5	9.0	7.8	8.1	8.3	8.5	9.0
	12H	7.8	8.0	8.3	8.5	9.0	7.8	8.0	8.3	8.5	9.0
12H	4H	7.8	8.1	8.3	8.5	9.0	7.8	8.1	8.3	8.6	9.0
	6H	7.8	8.0	8.3	8.5	9.0	7.8	8.0	8.3	8.5	9.0
	8H	7.8	8.0	8.3	8.5	9.0	7.8	8.0	8.3	8.5	9.0
Variations with the observer position at spacing:											
S =	1.0H	2.6 / -2.9					2.6 / -2.9				
	1.5H	4.9 / -4.4					4.9 / -4.4				
	2.0H	6.7 / -5.2					6.7 / -5.2				