Laser Blade InOut

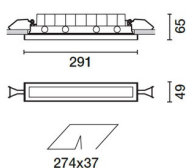**Design iGuzzini**   **iGuzzini**

Last information update: May 2024

Product configuration: BX68
BX68: Recessed rectangular ceiling-mounted IP68 luminaire, compact body, Neutral White LEDs, Wide Flood optic.

Product code
BX68: Recessed rectangular ceiling-mounted IP68 luminaire, compact body, Neutral White LEDs, Wide Flood optic. **Attention! Code no longer in production**

Technical description
Miniaturised recessed rectangular luminaire with ten optical elements with Neutral White LED light sources - fixed Wide Flood optic. Comprises a (round) optical compartment, frame, glass, outgoing cable and installation accessories to be ordered separately, where necessary. The optical compartment and frame are made of aluminium alloy and subjected to a multi-step pre-treatment process, the main phases of which include degreasing, fluorozirconic coating (a surface protective coat) and sealing (silane-based nanostructured coat). The successive painting phase is completed using primer and liquid acrylic paint, baked at 150°C, guaranteeing excellent resistance to atmospheric agents and UV rays. The glass-holder frame has plastic end caps. Tempered soda-lime closing glass, transparent with black screen-printing on the edge, 3mm thickness, attached to the frame with silicone. Silicone seals are placed between the glass-holder frame and the optical compartment. High-definition optic made of metallic thermoplastic, integrated into the black anti-glare screen towards the rear. Grade 304 stainless steel supporting springs. Equipped with IP68 control gear with outgoing cable for connection. The optical compartment and control gear are connected through IP68 quick-fit connectors. All external screws are made of A2 stainless steel.

Installation
Recessed installation with protruding frame on 1-20mm-thick suspended ceilings. Recess opening on suspended ceiling, size 274x37. Recessed installation with flush frame on 12.5mm- or 15mm-thick suspended ceilings, through adapter frame to be ordered separately. Installation on concrete ceilings using an outer casing to be ordered separately (flush and protruding frame).

Colour	Weight (Kg)
Black / White (47) | Grey / Black (74)	1

Mounting
ceiling recessed

Wiring
Power supply unit inclusive of electronic control gear (220-240VAC 50/60Hz) with outgoing connection cable. IP68 connectors, to be ordered separately, are available for the electrical connections.
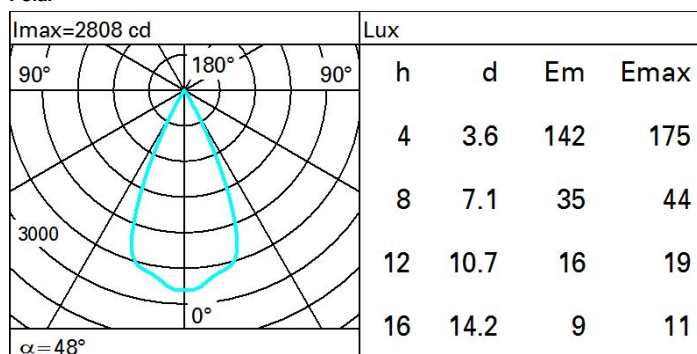
Notes
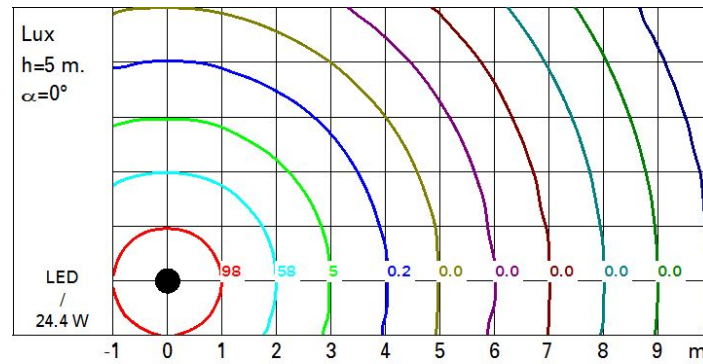Version with black painted frame and DALI available on request.

Complies with EN60598-1 and pertinent regulations

IK06 IP65 CE EHA NOM-13

Technical data

lm system:	1518	CRI (typical):	97
W system:	24.4	Colour temperature [K]:	4000
lm source:	2000	MacAdam Step:	3
W source:	21	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	62.2	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
		Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0		
		ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	48°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	95		

Polar

Imax=2808 cd	Lux			
	h	d	Em	Emax
	4	3.6	142	175
	8	7.1	35	44
	12	10.7	16	19
	16	14.2	9	11

α=48°

Isolux

Lux
h=5 m.
α=0°

LED
/
24.4 W

| | 98 | 58 | 5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | |

-1　0　1　2　3　4　5　6　7　8　9　m

UGR diagram

Corrected UGR values (at 2000 lm bare lamp luminous flux)

Riflect.:												
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed					viewed		
x	y			crosswise					endwise		
2H	2H	1.4	1.9	1.7	2.1	2.4	1.4	1.9	1.7	2.1	2.4
	3H	1.4	1.8	1.7	2.1	2.3	1.3	1.8	1.6	2.0	2.3
	4H	1.3	1.7	1.6	2.0	2.3	1.3	1.7	1.6	2.0	2.2
	6H	1.3	1.6	1.6	2.0	2.3	1.2	1.6	1.5	1.9	2.2
	8H	1.3	1.6	1.6	1.9	2.3	1.2	1.5	1.5	1.8	2.2
	12H	1.2	1.6	1.6	1.9	2.3	1.1	1.5	1.5	1.8	2.1
4H	2H	1.3	1.7	1.6	2.0	2.2	1.3	1.7	1.6	2.0	2.3
	3H	1.2	1.5	1.6	1.9	2.2	1.2	1.6	1.6	1.9	2.2
	4H	1.1	1.4	1.5	1.8	2.2	1.1	1.4	1.5	1.8	2.2
	6H	1.1	1.4	1.5	1.8	2.2	1.1	1.3	1.5	1.7	2.2
	8H	1.1	1.4	1.5	1.8	2.2	1.0	1.3	1.5	1.7	2.1
	12H	1.1	1.3	1.6	1.8	2.2	1.0	1.2	1.4	1.6	2.1
8H	4H	1.0	1.3	1.5	1.7	2.1	1.1	1.4	1.5	1.8	2.2
	6H	1.0	1.2	1.5	1.7	2.1	1.1	1.3	1.5	1.7	2.2
	8H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
	12H	1.1	1.2	1.6	1.7	2.2	1.0	1.2	1.5	1.6	2.2
12H	4H	1.0	1.2	1.4	1.6	2.1	1.1	1.3	1.6	1.8	2.2
	6H	1.0	1.2	1.5	1.6	2.1	1.1	1.2	1.6	1.7	2.2
	8H	1.0	1.2	1.5	1.6	2.2	1.1	1.2	1.6	1.7	2.2

Variations with the observer position at spacing:

S =	1.0H	6.2 / -6.5	6.2 / -6.5
	1.5H	9.0 / -6.9	9.0 / -6.9
	2.0H	11.0 / -7.2	11.0 / -7.2