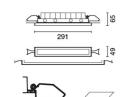
Laser Blade InOut

Design iGuzzini iGuzzini

Last information update: May 2018





Recessed rectangular ceiling-mounted IP65 luminaire, compact body, Warm White LEDs, Wide Flood optic.

Product code

BX72

Technical description

Miniaturised recessed rectangular luminaire with ten optical elements with 2700K Warm 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 IP65 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).

Dimension (mm)

291x49x65

Colour

Black/White (47) | Grey/Black (74)

Weight (Kg)

1

Mounting

ceiling recessed

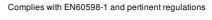
Wiring

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

Versions with black painted frame, DALI or with Neutral White LEDs (Wide Flood optic) are available on request.















Product configuration: BX72

Product characteristics

Beam angle [°]: 48°

Total lighting output [Lm]: 1291 Total power [W]: 24.4 Luminous efficacy [Lm/W]: 52.9 Life Time: 50,000h - L90 - B10 (Ta 25°C) Number of optical assemblies: 1 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.

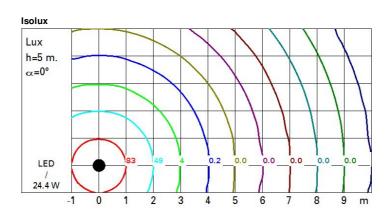
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 76 Lamp code: LED ZVEI Code: LED Nominal power [W]: 21 Nominal luminous [Lm]: 1700 Lamp maximum intensity [cd]: /

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 3.4 Colour temperature [K]: 2700 CRI: 95 Wavelength [Nm]: / MacAdam Step: 3

Polar

Imax=2387 cd	Lux			
90° 180° 90°	h	d	Em	Emax
	2	1.8	482	597
	4	3.6	121	149
2500	6	5.3	54	66
α=48°	8	7.1	30	37



UGR diagram

Rifled											
ce il/c	ct.:										
	av	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. Room dim		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		EXCHANGE.		viewed			6.30000		viewed		
x	У		(crosswis	e				endwise	18	
2H	2H	0.9	1.3	1.1	1.6	1.8	0.9	1.3	1.1	1.6	1.8
	ЗН	8.0	1.2	1.1	1.5	1.8	8.0	1.2	1.1	1.5	1.7
	4H	0.7	1.2	1.1	1.4	1.7	0.7	1.1	1.0	1.4	1.7
	бН	0.7	1.1	1.1	1.4	1.7	0.6	1.0	1.0	1.3	1.6
	HS	0.7	1.1	1.0	1.4	1.7	0.6	1.0	0.9	1.3	1.6
	12H	0.7	1.0	1.0	1.4	1.7	0.6	0.9	0.9	1.2	1.6
4H	2H	0.7	1.1	1.0	1.4	1.7	0.7	1.2	1.1	1.4	1.7
	3H	0.6	1.0	1.0	1.3	1.6	0.6	1.0	1.0	1.3	1.7
	4H	0.6	0.9	1.0	1.2	1.6	0.6	0.9	1.0	1.2	1.0
	6H	0.5	8.0	1.0	1.2	1.6	0.5	8.0	0.9	1.2	1.6
	HS	0.5	8.0	1.0	1.2	1.6	0.5	0.7	0.9	1.1	1.0
	12H	0.5	8.0	1.0	1.2	1.6	0.4	0.6	0.9	1.1	1.5
8H	4H	0.5	0.7	0.9	1.1	1.6	0.5	8.0	1.0	1.2	1.6
	6H	0.5	0.7	0.9	1.1	1.6	0.5	0.7	1.0	1.1	1.0
	HS	0.5	0.6	0.9	1.1	1.6	0.5	0.6	0.9	1.1	1.6
	12H	0.5	0.7	1.0	1.1	1.7	0.4	0.6	0.9	1.1	1.6
12H	4H	0.4	0.6	0.9	1.1	1.5	0.5	8.0	1.0	1.2	1.6
	бН	0.4	0.6	0.9	1.1	1.6	0.5	0.7	1.0	1.2	1.6
	HS	0.4	0.6	0.9	1.1	1.6	0.5	0.7	1.0	1.1	1.7
Varia	tions wi	th the ol	oserverp	noitieo	at spacir	ıg:					
S =	1.0H		6	.2 / -6	.5				.2 / -6.		
	1.5H		9	.0 / -6	9			9	.0 / -6.	.9	