Design iGuzzini

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Last information update: May 2025

Product configuration: EJ70

EJ70: Square Recessed luminaire - LED - Warm white - Flood optic

Product code

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Technical description

square miniaturised recessed luminaire for single LED - fixed optic - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optic, integrated in a rear position in the black anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. Warm white LED.

Weight (Kg)

0.05

Installation

recessed with steel wire springs for false ceilings from 1 to 20 mm thick - preparation hole 35×35

Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Grey / Black (74)* | White / burnished chrome $(E7)^*$

* Colours on request



Mounting wall recessed ceiling recessed

Wiring

direct current ballasts to be ordered separately: electronic (MXF9) for max. 7 LEDs; DALI dimmable (BZM4) for max. 20 LEDs (check instructions leaflet for compatible lengths of cables to be used)



Technical data				
Im system:	179	CRI (typical):	92	
W system:	2	Colour temperature [K]:	2700	
Im source:	210	MacAdam Step:	3	
W source:	2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)	
Luminous efficiency (Im/W,	89.3	Lamp code:	LED	
real value):		Number of lamps for optical	1	
Im in emergency mode:	-	assembly:		
Total light flux at or above	0	ZVEI Code:	LED	
an angle of 90° [Lm]:		Number of optical	1	
Light Output Ratio (L.O.R.)	85	assemblies:		
[%]:		LED current [mA]:	700	
Beam angle [°]:	32°			
CRI (minimum):	90			

Polar

Imax=565 cd	CIE	Lux			
90° 180° 90°	nL 0.85 100-100-100-100-85	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	1	0.6	431	565
	0.85A+0.00T F"1=1000	2	1.1	108	141
600	F"1+F"2=1000 F"1+F"2+F"3=1000	3	1.7	48	63
α=32°	LG3 L<1500 cd/m² at 65° UGR<10 I L<1500 cd/mq @	_{65°} 4	2.3	27	35

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	74	73	71	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	88	87	87	86	85	83	98
4.0	90	90	89	89	88	88	87	84	99
5.0	91	90	90	90	89	89	87	85	100

UGR diagram

Rifle											
ceil/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl.		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	
Room dim		0.500.00	10000	viewed		0.000	1232223	0.00	viewed	10000	19129
x	У	crosswise					endwise				
2H	2H	-3.0	-2.5	-2.7	-2.2	-2.0	-3.0	-2.5	-2.7	-2.2	-2.0
	ЗН	-3.1	-2.6	-2.8	-2.4	-2.1	-3.1	-2.6	-2.8	-2.4	-2.1
	4H	-3.2	-2.8	-2.9	-2.5	-2.2	-3.2	-2.8	-2.9	-2.5	-2.2
	6H	-3.3	-2.9	-2.9	-2.6	-2.2	-3.3	-2.9	-2.9	-2.6	-2.2
	BH	-3.3	-2.9	-3.0	-2.6	-2.3	-3.3	-2.9	-3.0	-2.6	-2.3
	12H	-3.4	-3.0	-3.0	-2.6	-2.3	-3.4	-3.0	-3.0	-2.6	-2.3
4H	2H	-3.2	-2.8	-2.9	-2.5	-2.2	-3.2	-2.8	-2.9	-2.5	-2.2
	ЗH	-3.4	-3.0	-3.0	-2.6	-2.3	-3.4	-3.0	-3.0	-2.6	-2.3
	4H	-3.4	-3.1	-3.0	-2.7	-2.4	-3.4	-3.1	-3.0	-2.7	-2.4
	6H	-3.5	-3.2	-3.1	-2.8	-2.4	-3.5	-3.2	-3.1	-2.8	-2.4
	8H	-3.6	-3.3	-3.1	-2.9	-2.5	-3.6	-3.3	-3.1	-2.9	-2.5
	12H	-3.6	-3.4	-3.2	-3.0	-2.5	-3.6	-3.4	-3.2	-3.0	-2.5
вн	4H	-3.6	-3.3	-3.1	-2.9	-2.5	-3.6	-3.3	-3.1	-2.9	-2.5
	6H	-3.7	-3.5	-3.2	-3.0	-2.5	-3.7	-3.5	-3.2	-3.0	-2.5
	8H	-3.7	-3.5	-3.2	-3.1	-2.6	-3.7	-3.5	-3.2	-3.1	-2.6
	12H	-3.8	-3.6	-3.3	-3.1	-2.6	-3.8	-3.6	-3.3	-3.1	-2.6
12H	4H	-3.6	-3.4	-3.2	-3.0	-2.5	-3.6	-3.4	-3.2	-3.0	-2.5
	6H	-3.7	-3.5	-3.2	-3.1	-2.6	-3.7	-3.5	-3.2	-3.1	-2.6
	8H	-3.8	-3.6	-3.3	-3.1	-2.6	-3.8	-3.6	-3.3	-3.1	-2.6
Varia	tions wi	th the ol	oserver p	osition	at spacin	g:					
5 =	1.0H	6.9 / -25.5					6.9 / -25.5				
	1.5H	9.7 / -26.0					9.7 / -26.0				