

Easy Space Square

Design iGuzzini

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Product configuration: RM49.83

RM49.83: Square 225 - General Lighting - INVERTER - Warm White - Emergency - Transparent/Black



Product code

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Technical description

Square recess luminaire with fixed optics, in version with outer frame. High efficiency LED source with high colour rendering index for general lighting uses - version set up for emergency functioning. Emission unit made up of a transparent PMMA prismatic reflector in combination with the flow recovery unit and diffuser screen, both produced in PMMA, integrated into the external polycarbonate structure. The painted die-cast aluminium diffuser encompasses the steel wire coupling springs. Power supply unit - complete with inverter and battery unit - supplied with the luminaire.

Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick

Colour

Black Transparent (83)

Weight (Kg)

1.73

Mounting

ceiling surface

Wiring

functioning electronic components included - inverter and battery unit for emergency functioning to connect to the luminaire (see instructions sheet).

Complies with EN60598-1 and pertinent regulations



IP20

IP54

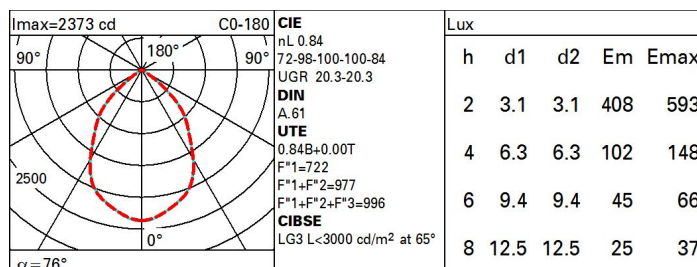
On the visible part of the product once installed



Technical data

lm system:	3562	MacAdam Step:	2
W system:	38	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	4240	Lamp code:	LED
W source:	29	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	93.7	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	84	Inrush current:	19.4 A / 250 µs
CRI (minimum):	90	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires
Colour temperature [K]:	3500	Overvoltage protection:	2kV Common mode & 1kV Differential mode

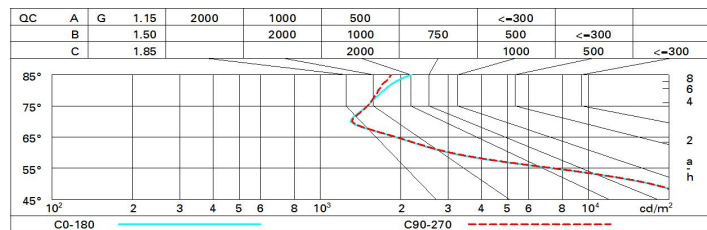
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	58	54	50	57	53	53	48	58
1.0	70	64	60	57	63	59	59	55	65
1.5	77	73	69	66	72	68	68	64	76
2.0	81	78	75	73	76	74	73	70	83
2.5	83	81	78	76	79	77	76	73	87
3.0	85	83	81	79	81	79	78	75	89
4.0	86	84	83	81	83	82	80	77	92
5.0	87	86	84	83	84	83	81	78	93

Luminance curve limit



UGR diagram

Corrected UGR values (at 4240 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	20.5	21.4	20.8	21.0	21.9	20.5	21.4	20.8	21.7	21.9
	3H	20.4	21.2	20.7	21.5	21.7	20.6	21.4	21.0	21.7	22.0
	4H	20.3	21.1	20.7	21.4	21.7	20.6	21.3	20.9	21.6	21.9
	6H	20.3	20.9	20.6	21.3	21.6	20.5	21.1	20.8	21.5	21.8
	8H	20.3	20.9	20.6	21.2	21.6	20.4	21.1	20.8	21.4	21.8
	12H	20.2	20.8	20.6	21.2	21.6	20.4	21.0	20.8	21.4	21.7
4H	2H	20.5	21.3	20.9	21.6	21.9	20.4	21.1	20.7	21.4	21.7
	3H	20.4	21.0	20.8	21.4	21.7	20.5	21.1	20.8	21.4	21.8
	4H	20.4	20.9	20.8	21.3	21.7	20.4	20.9	20.8	21.3	21.7
	6H	20.3	20.8	20.8	21.2	21.6	20.3	20.8	20.7	21.2	21.6
	8H	20.3	20.7	20.8	21.2	21.6	20.3	20.7	20.7	21.1	21.6
	12H	20.3	20.7	20.8	21.1	21.6	20.2	20.6	20.7	21.0	21.5
8H	4H	20.3	20.7	20.7	21.1	21.5	20.3	20.7	20.8	21.2	21.6
	6H	20.2	20.6	20.7	21.0	21.5	20.3	20.6	20.7	21.1	21.5
	8H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
	12H	20.2	20.5	20.7	21.0	21.5	20.2	20.4	20.7	20.9	21.4
12H	4H	20.2	20.6	20.7	21.0	21.5	20.3	20.7	20.8	21.1	21.6
	6H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
	8H	20.2	20.4	20.7	20.9	21.4	20.2	20.5	20.7	21.0	21.5
Variations with the observer position at spacing:											
S =		1.0H					1.2 / -3.1				
		1.5H					2.5 / -8.2				
		2.0H					4.3 / -9.1				