

Easy Space Square

Design iGuzzini

iGuzzini

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Product configuration: RI83.83

RI83.83: Square 225 - UGR < 19 - DALI - Warm White - 16.7W 1932lm - 3000K - CRI 90 - Black Transparent



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. Controlled luminance emission $L < 3000 \text{ cd/sm}$ - $UGR < 19$ - ideal for environments with video screen use. Emission unit integrated into the polycarbonate external structure - made up of PMMA prismatic reflector in combination with flow recovery unit and transparent PMMA flat screen combined with the PET film with satin finish. The painted die-cast aluminium diffuser encompasses the steel wire coupling springs. A DALI dimmer power supply unit connected to the luminaire.

Installation

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

Colour

Black Transparent (83)

Weight (Kg)

1.18

Mounting

ceiling surface

Wiring

DALI dimmer functioning components included - power supply connection on the terminals with rapid connection of the driver.

Notes

TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed



Technical data

Im system:	1869	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	16.7	Lamp code:	LED
Im source:	2100	Number of lamps for optical assembly:	1
W source:	14	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	111.9	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	89	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Colour temperature [K]:	3000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2	Control:	DALI-2

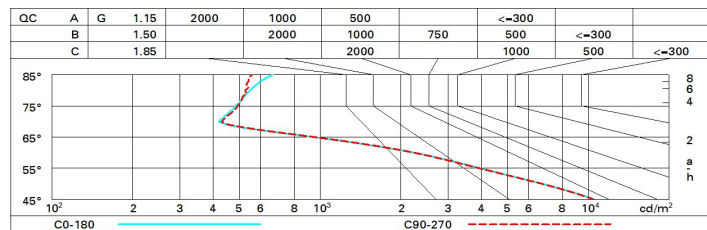
Polar

max=1308 cd		C10-190		CIE		Lux				
90°	180°	90°		nL 0.89	77-98-100-100-89	h	d1	d2	Em	Emax
				UGR 17.1-17.1	DIN A.61	1	1.5	1.5	925	1308
				UTE 0.89B+0.00T	F*1=768	2	3	3	231	327
				F*1+F*2=978	F*1+F*2+F*3=997	3	4.6	4.5	103	145
				CIBSE LG3 L<1500 cd/m² at 65°	UGR<19 L<1500 cd/mq @65°	4	6.1	6	58	82
α=75°										

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	64	60	56	63	59	59	54	61
1.0	76	70	66	63	69	65	65	60	68
1.5	83	78	75	72	77	74	73	70	78
2.0	87	83	81	78	82	80	79	75	84
2.5	89	86	84	82	85	83	82	79	88
3.0	90	88	86	85	87	85	84	81	91
4.0	92	90	89	87	89	87	86	83	93
5.0	93	91	90	89	90	89	87	84	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 2100 lm bare lamp luminous flux)											
Riflect.: ceil/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	17.4	18.2	17.7	18.5	18.7	17.4	18.2	17.7	18.5	18.7
	3H	17.3	18.0	17.6	18.3	18.6	17.4	18.2	17.8	18.5	18.7
	4H	17.2	17.9	17.5	18.2	18.5	17.4	18.1	17.7	18.4	18.7
	6H	17.1	17.8	17.5	18.1	18.4	17.3	17.9	17.7	18.2	18.6
	8H	17.1	17.7	17.5	18.0	18.4	17.3	17.9	17.6	18.2	18.5
	12H	17.1	17.6	17.4	18.0	18.3	17.2	17.8	17.6	18.1	18.5
4H	2H	17.4	18.1	17.7	18.4	18.7	17.2	17.9	17.5	18.2	18.5
	3H	17.2	17.8	17.6	18.2	18.5	17.2	17.8	17.6	18.2	18.5
	4H	17.2	17.7	17.6	18.1	18.4	17.2	17.7	17.6	18.1	18.5
	6H	17.1	17.6	17.5	18.0	18.4	17.1	17.5	17.5	17.9	18.4
	8H	17.1	17.5	17.5	17.9	18.3	17.1	17.5	17.5	17.9	18.3
	12H	17.0	17.4	17.5	17.8	18.3	17.0	17.4	17.5	17.8	18.3
8H	4H	17.1	17.5	17.5	17.9	18.3	17.1	17.5	17.5	17.9	18.3
	6H	17.0	17.3	17.5	17.8	18.2	17.0	17.3	17.5	17.8	18.3
	8H	17.0	17.2	17.4	17.7	18.2	17.0	17.2	17.4	17.7	18.2
	12H	16.9	17.2	17.4	17.7	18.2	16.9	17.2	17.4	17.7	18.2
12H	4H	17.0	17.4	17.5	17.8	18.3	17.0	17.4	17.5	17.8	18.3
	6H	16.9	17.2	17.4	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	8H	16.9	17.2	17.4	17.6	18.2	16.9	17.2	17.4	17.7	18.2
Variations with the observer position at spacing:											
S =	1.0H	1.2 / -3.2					1.2 / -3.3				
	1.5H	2.9 / -7.7					3.0 / -7.8				
	2.0H	4.8 / -11.2					4.8 / -11.4				