

Easy Space Square

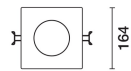
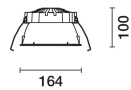
Design iGuzzini

iGuzzini

Last information update: April 2025

Product configuration: RM42.83

RM42.83: Square 163 - General Lighting - DALI - Warm White - Low Output - 16.8W 2058.6lm - 3500K - CRI 90 - Black Transparent



153x153

Product code

RM42.83: Square 163 - General Lighting - DALI - Warm White - Low Output - 16.8W 2058.6lm - 3500K - CRI 90 - Black Transparent

Technical description

Square recess luminaire with fixed optics, in version with outer frame. High efficiency LED source with high colour rendering index - standard flow version to achieve an excellent correlation of light efficiency in general lighting uses. 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. 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)

0.71

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



Technical data

Im system:	1883	Colour temperature [K]:	3500
W system:	16.8	MacAdam Step:	2
Im source:	2190	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	15	Lamp code:	LED
Luminous efficiency (Im/W, real value):	112.1	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	86	Control:	DALI-2
CRI (minimum):	90		

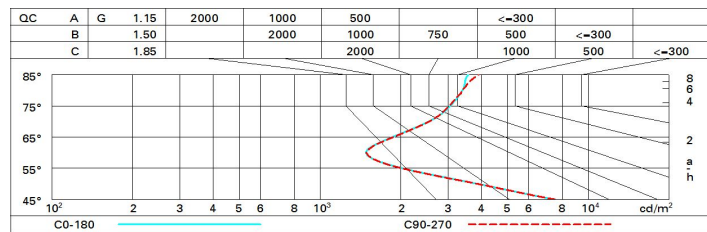
Polar

	CIE				
	nL 0.86				
	87-97-99-100-86				
	UGR 17.5-17.0				
	DIN				
	A.61				
	UTE				
	0.86A+0.00T				
	F*1=873				
	F*1+F*2=973				
F*1+F*2+F*3=990					
Lux					
	h	d1	d2	Em	Emax
	2	2	2	402	550
	4	3.9	3.9	100	137
	6	5.9	5.9	45	61
	8	7.8	7.8	25	34

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	67	64	61	66	63	63	59	69
1.0	77	72	69	66	71	68	68	64	74
1.5	82	78	76	73	77	75	74	71	82
2.0	85	83	80	78	81	79	78	75	88
2.5	87	85	83	82	84	82	81	78	91
3.0	88	87	85	84	85	84	83	80	93
4.0	90	88	87	86	87	86	85	82	95
5.0	90	89	88	88	88	87	86	83	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2190 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	16.7	17.5	17.0	17.8	18.0	16.8	17.5	17.1	17.8	18.0
	3H	16.8	17.5	17.1	17.8	18.1	16.7	17.3	17.0	17.6	17.9
	4H	16.9	17.6	17.3	17.9	18.2	16.6	17.2	16.9	17.5	17.8
	6H	17.1	17.7	17.5	18.1	18.4	16.5	17.1	16.9	17.4	17.8
	8H	17.2	17.8	17.6	18.1	18.5	16.5	17.1	16.9	17.4	17.8
	12H	17.3	17.9	17.7	18.2	18.6	16.5	17.0	16.9	17.4	17.7
4H	2H	16.6	17.2	16.9	17.5	17.8	17.0	17.6	17.3	17.9	18.2
	3H	16.7	17.3	17.1	17.6	18.0	17.0	17.5	17.4	17.9	18.2
	4H	17.0	17.4	17.4	17.8	18.2	17.0	17.5	17.4	17.8	18.2
	6H	17.3	17.7	17.8	18.1	18.6	17.0	17.4	17.4	17.8	18.2
	8H	17.5	17.9	18.0	18.3	18.7	17.0	17.4	17.4	17.8	18.2
	12H	17.7	18.0	18.1	18.4	18.9	17.0	17.3	17.4	17.8	18.2
8H	4H	17.0	17.4	17.4	17.8	18.2	17.5	17.9	18.0	18.3	18.8
	6H	17.5	17.8	17.9	18.2	18.7	17.7	18.0	18.2	18.5	18.9
	8H	17.7	18.0	18.2	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	12H	18.0	18.2	18.5	18.7	19.3	17.8	18.1	18.3	18.6	19.1
12H	4H	17.0	17.3	17.4	17.8	18.2	17.7	18.1	18.2	18.5	18.9
	6H	17.5	17.8	18.0	18.2	18.7	17.9	18.2	18.4	18.7	19.2
	8H	17.8	18.0	18.3	18.5	19.1	18.1	18.3	18.6	18.8	19.3
Variations with the observer position at spacing:											
S =	1.0H	2.5 / -2.4					2.5 / -2.3				
	1.5H	3.8 / -2.7					3.8 / -2.6				
	2.0H	5.5 / -2.8					5.5 / -2.7				