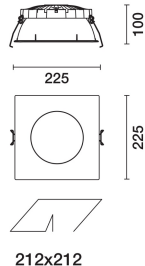


Design iGuzzini iGuzzini



RI59.83: Square 225 - General Lighting - DALI - Neutral White - Low Output - Transparent/Black

RI59.83: Square 225 - General Lighting - DALI - Neutral White - Low Output - Transparent/Black

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.

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

Colour	Weight (Kg)
Black Transparent (83)	1.18

ceiling surface

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

TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations



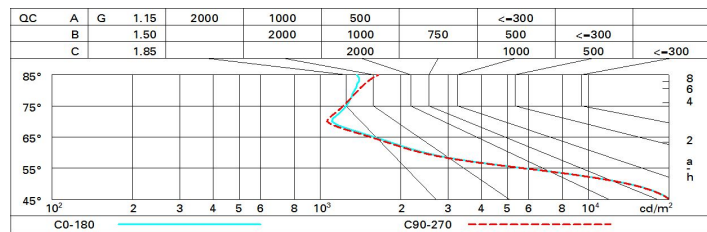
Im system:	2946	Colour temperature [K]:	4000
W system:	25.3	MacAdam Step:	2
Im source:	3310	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	22	Lamp code:	LED
Luminous efficiency (lm/W, real value):	116.4	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	89	Control:	DALI-2
CRI (minimum):	90		

	CIE nL 0.89 72-98-100-100-89 UGR 19.6-19.5 DIN A.61 UTE 0.89B+0.00T F*1=722 F*1+F*2=977 F*1+F*2+F*3=995 CIBSE LG3 Lc<3000 cd/m² at 65°					Lux				
	h	d1	d2	Em	Emax					
	2	3.1	3.1	339	494					
	4	6.3	6.3	85	123					
	6	9.4	9.4	38	55					
8	12.5	12.5	21	31						

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	62	57	53	61	56	56	51	58
1.0	74	68	64	60	67	63	62	58	65
1.5	82	77	73	70	76	73	72	68	76
2.0	86	82	79	77	81	78	77	74	83
2.5	88	85	83	81	84	82	81	77	87
3.0	90	87	85	84	86	84	83	80	89
4.0	91	89	88	86	88	86	85	82	92
5.0	92	91	89	88	89	88	86	83	93

Luminance curve limit



UGR diagram

Corrected UGR values (at 3310 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.8	20.7	20.1	20.9	21.2	19.8	20.7	20.1	20.9	21.2
	3H	19.7	20.5	20.0	20.8	21.1	19.9	20.7	20.2	21.0	21.3
	4H	19.7	20.4	20.0	20.7	21.0	19.8	20.6	20.2	20.9	21.2
	6H	19.6	20.3	20.0	20.6	20.9	19.8	20.4	20.1	20.7	21.1
	8H	19.6	20.2	19.9	20.5	20.9	19.7	20.4	20.1	20.7	21.0
	12H	19.5	20.2	19.9	20.5	20.9	19.7	20.3	20.1	20.6	21.0
4H	2H	19.9	20.6	20.2	20.9	21.2	19.6	20.3	20.0	20.6	21.0
	3H	19.7	20.4	20.1	20.7	21.1	19.7	20.3	20.1	20.7	21.0
	4H	19.7	20.2	20.1	20.6	21.0	19.7	20.2	20.1	20.6	21.0
	6H	19.6	20.1	20.1	20.5	20.9	19.6	20.0	20.0	20.4	20.9
	8H	19.6	20.0	20.1	20.5	20.9	19.5	20.0	20.0	20.4	20.8
	12H	19.6	20.0	20.1	20.4	20.9	19.5	19.9	20.0	20.3	20.8
8H	4H	19.6	20.0	20.0	20.4	20.9	19.6	20.0	20.0	20.4	20.9
	6H	19.5	19.9	20.0	20.3	20.8	19.5	19.9	20.0	20.3	20.8
	8H	19.5	19.8	20.0	20.3	20.8	19.5	19.8	20.0	20.3	20.8
	12H	19.5	19.8	20.0	20.3	20.8	19.5	19.7	20.0	20.2	20.7
12H	4H	19.5	19.9	20.0	20.3	20.8	19.6	20.0	20.0	20.4	20.9
	6H	19.5	19.8	20.0	20.3	20.8	19.5	19.8	20.0	20.3	20.8
	8H	19.5	19.7	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.8
Variations with the observer position at spacing:											
S =		1.0H					1.2 / -3.2				
		1.5H					2.5 / -8.3				
		2.0H					4.2 / -9.2				