

## Easy Space Square

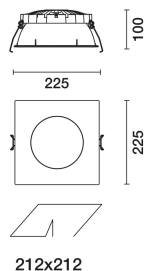
Design iGuzzini

iGuzzini

Last information update: December 2024

### Product configuration: RI85.D8

RI85.D8: Square 225 - UGR < 19 - INVERTER - Neutral White - Emergency - White / transparent



### Product code

RI85.D8: Square 225 - UGR < 19 - INVERTER - Neutral White - Emergency - White / transparent

### Technical description

Square recess luminaire with fixed optics, in version with outer frame - version set up for emergency functioning. High efficiency LED source with high colour rendering index. Controlled luminance emission  $L < 3000 \text{ cd/mq}$  -  $UGR < 19$  - 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. 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

White Transparent (D8)

### Weight (Kg)

1.73

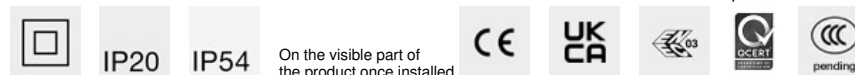
### Mounting

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



### Technical data

lm system:	2079	CRI (minimum):	90
W system:	21.1	Colour temperature [K]:	4000
lm source:	2260	MacAdam Step:	2
W source:	14	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	98.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	92	Number of optical assemblies:	1

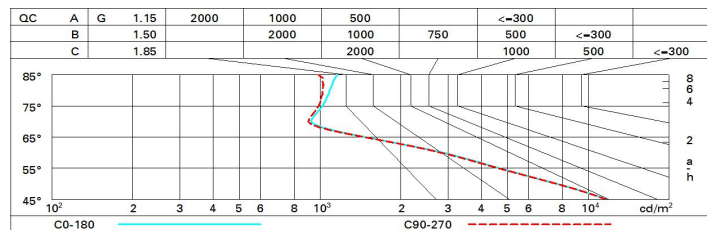
### Polar

		<b>Imax=1420 cd</b> <b>C0-180</b> <b>CIE</b> nL 0.92 75-97-99-100-92 UGR 17.8-17.7 <b>DIN</b> A.61 <b>UTE</b> 0.92B+0.00T F*1=753 F*1+F*2=967 F*1+F*2+F*3=994 <b>CIBSE</b> LG3 L<3000 cd/m² at 65° UGR<19   L<3000 cd/mq @65°		<b>Lux</b>				
h	d1	d2	Em	Emax				
1	1.5	1.6	997	1419				
2	3	3.1	249	355				
3	4.5	4.7	111	158				
4	6	6.3	62	89				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	66	61	57	65	60	60	55	60
1.0	78	72	67	64	70	66	66	62	67
1.5	85	80	77	74	79	76	75	71	77
2.0	89	86	83	80	84	82	81	77	84
2.5	92	89	86	84	87	85	84	80	87
3.0	93	91	89	87	89	87	86	83	90
4.0	95	93	91	90	91	90	88	85	93
5.0	96	94	93	92	92	91	90	87	94

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2260 lm bare lamp luminous flux)											
Reflect.: ceiling/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	17.9	18.7	18.2	19.0	19.2	17.9	18.7	18.2	19.0	19.2
	3H	17.8	18.6	18.1	18.8	19.1	17.9	18.7	18.3	19.0	19.3
	4H	17.7	18.5	18.1	18.8	19.1	17.9	18.6	18.2	18.9	19.2
	6H	17.7	18.4	18.1	18.7	19.0	17.8	18.5	18.2	18.8	19.1
	8H	17.7	18.3	18.1	18.7	19.0	17.8	18.4	18.2	18.8	19.1
	12H	17.7	18.3	18.1	18.6	19.0	17.8	18.4	18.1	18.7	19.1
4H	2H	17.9	18.6	18.2	18.9	19.2	17.8	18.5	18.1	18.8	19.1
	3H	17.8	18.4	18.2	18.8	19.1	17.9	18.5	18.2	18.8	19.2
	4H	17.8	18.3	18.2	18.7	19.1	17.8	18.3	18.2	18.7	19.1
	6H	17.8	18.3	18.2	18.7	19.1	17.8	18.2	18.2	18.6	19.0
	8H	17.8	18.2	18.2	18.6	19.1	17.7	18.1	18.2	18.6	19.0
	12H	17.8	18.2	18.3	18.6	19.1	17.7	18.1	18.1	18.5	19.0
8H	4H	17.7	18.1	18.2	18.6	19.0	17.8	18.2	18.2	18.6	19.1
	6H	17.7	18.1	18.2	18.5	19.0	17.8	18.1	18.2	18.6	19.0
	8H	17.8	18.1	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0
	12H	17.8	18.0	18.3	18.5	19.0	17.7	18.0	18.2	18.5	19.0
12H	4H	17.7	18.1	18.1	18.5	18.9	17.8	18.2	18.2	18.6	19.1
	6H	17.7	18.0	18.2	18.5	19.0	17.8	18.1	18.3	18.5	19.0
	8H	17.7	18.0	18.2	18.5	19.0	17.8	18.0	18.3	18.5	19.0
Variations with the observer position at spacing:											
S =	1.0H	1.0 / -2.5					1.1 / -2.6				
	1.5H	2.6 / -5.3					2.6 / -5.4				
	2.0H	4.3 / -7.0					4.4 / -7.1				