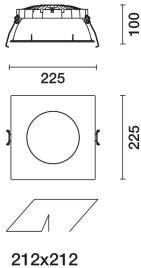


Easy Space Square

Last information update: December 2024

Product configuration: RI85.83
RI85.83: Square 225 - UGR < 19 - INVERTER - Neutral White - Emergency - Transparent/Black



Product code

RI85.83: Square 225 - UGR < 19 - INVERTER - Neutral White - Emergency - Transparent/Black

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
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).

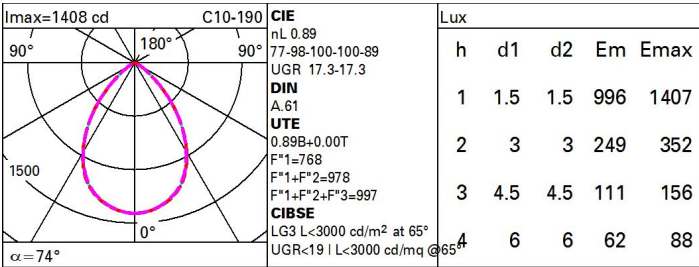
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2011	CRI (minimum):	90
W system:	21.1	Colour temperature [K]:	4000
Im source:	2260	MacAdam Step:	2
W source:	14	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	95.3	Lamp code:	LED
Im 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.) [%]:	89	Number of optical assemblies:	1

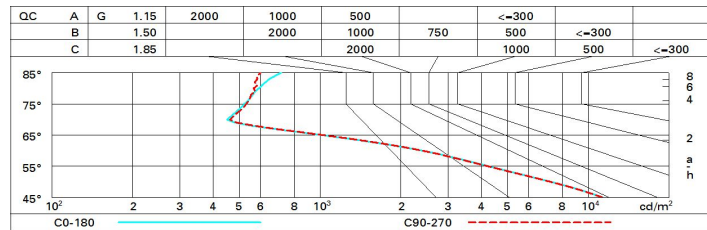
Polar



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 2260 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	17.6	18.5	17.9	18.7	19.0	17.6	18.5	17.9	18.7	19.0
	3H	17.5	18.3	17.8	18.5	18.8	17.7	18.4	18.0	18.7	19.0
	4H	17.4	18.1	17.8	18.4	18.7	17.6	18.3	18.0	18.6	18.9
	6H	17.4	18.0	17.7	18.3	18.7	17.6	18.2	17.9	18.5	18.8
	8H	17.4	18.0	17.7	18.3	18.6	17.5	18.1	17.9	18.5	18.8
	12H	17.3	17.9	17.7	18.2	18.6	17.5	18.1	17.9	18.4	18.8
4H	2H	17.6	18.3	18.0	18.6	18.9	17.5	18.1	17.8	18.4	18.8
	3H	17.5	18.1	17.9	18.4	18.8	17.5	18.1	17.9	18.4	18.8
	4H	17.4	17.9	17.8	18.3	18.7	17.4	17.9	17.8	18.3	18.7
	6H	17.4	17.8	17.8	18.2	18.6	17.4	17.8	17.8	18.2	18.6
	8H	17.3	17.7	17.8	18.2	18.6	17.3	17.7	17.8	18.1	18.6
	12H	17.3	17.7	17.8	18.1	18.6	17.3	17.6	17.7	18.1	18.5
8H	4H	17.3	17.7	17.7	18.1	18.6	17.3	17.7	17.8	18.2	18.6
	6H	17.2	17.6	17.7	18.0	18.5	17.3	17.6	17.7	18.0	18.5
	8H	17.2	17.5	17.7	18.0	18.5	17.2	17.5	17.7	18.0	18.5
	12H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
12H	4H	17.3	17.6	17.7	18.1	18.5	17.3	17.7	17.8	18.1	18.6
	6H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	18.0	18.5
	8H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
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				