Easy Space Square

Design iGuzzini   **iGuzzini**

Last information update: December 2024

Product configuration: RI86.D8
RI86.D8: Square 225 - UGR < 19 - INVERTER - Warm White - Emergency - White / transparent
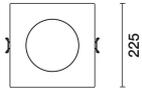
Product code
RI86.D8: Square 225 - UGR < 19 - INVERTER - Warm White - Emergency - White / transparent

Technical description
Square recess luminaire with fixed optics, in version with outer frame - version set up for emergency functioning. High efficiency LED source. Controlled luminance emission L < 3000 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. 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	Weight (Kg)
White Transparent (D8)	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

IP20   IP54   On the visible part of the product once installed   CE   UKCA   03   QCERT   CCC pending

Technical data

lm system:	2226	CRI (minimum):	80
W system:	21.1	Colour temperature [K]:	3000
lm source:	2420	MacAdam Step:	2
W source:	14	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	105.5	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

Imax=1520 cd   C0-180

CIE
nL 0.92
75-97-99-100-92
UGR 18.0-18.0
DIN
A.61
UTE
0.92B+0.00T
F"1=753
F"1+F"2=967
F"1+F"2+F"3=994
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 l L<3000 cd/mq @65°

α=74° / 76°

Lux				
h	d1	d2	Em	Emax
1	1.5	1.6	1067	1519
2	3	3.1	267	380
3	4.5	4.7	119	169
4	6	6.3	67	95

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

QC	A	G	1.15	2000		1000		500			<=300		
	B		1.50			2000		1000		750		500	<=300	
	C		1.85					2000				1000	500	<=300

C0-180 ——— C90-270 - - - - - - -
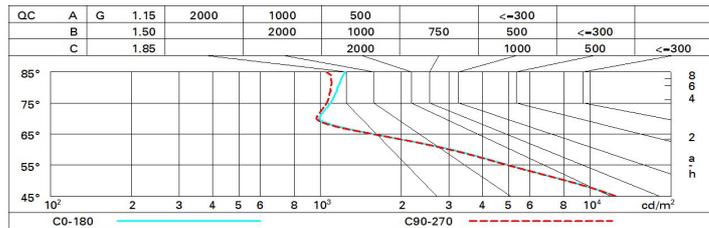
UGR diagram

Corrected UGR values (at 2420 lm bare lamp luminous flux)

Riflect.:										
ceil/cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Room dim x	y	viewed crosswise					viewed endwise				
2H	2H	18.1	19.0	18.4	19.2	19.5	18.1	19.0	18.4	19.2	19.5
	3H	18.0	18.8	18.4	19.1	19.4	18.2	18.9	18.5	19.2	19.5
	4H	18.0	18.7	18.3	19.0	19.3	18.1	18.9	18.5	19.1	19.5
	6H	18.0	18.6	18.3	18.9	19.3	18.1	18.7	18.4	19.0	19.4
	8H	17.9	18.6	18.3	18.9	19.2	18.0	18.7	18.4	19.0	19.3
	12H	17.9	18.5	18.3	18.9	19.2	18.0	18.6	18.4	18.9	19.3
4H	2H	18.1	18.8	18.5	19.1	19.5	18.0	18.7	18.3	19.0	19.3
	3H	18.1	18.7	18.5	19.0	19.4	18.1	18.7	18.5	19.0	19.4
	4H	18.0	18.6	18.5	18.9	19.3	18.1	18.6	18.5	18.9	19.3
	6H	18.0	18.5	18.5	18.9	19.3	18.0	18.5	18.4	18.9	19.3
	8H	18.0	18.5	18.5	18.9	19.3	18.0	18.4	18.4	18.8	19.2
	12H	18.0	18.4	18.5	18.8	19.3	17.9	18.3	18.4	18.7	19.2
8H	4H	18.0	18.4	18.4	18.8	19.2	18.0	18.5	18.5	18.9	19.3
	6H	18.0	18.3	18.4	18.8	19.2	18.0	18.4	18.5	18.8	19.3
	8H	18.0	18.3	18.5	18.8	19.3	18.0	18.3	18.5	18.7	19.3
	12H	18.0	18.3	18.5	18.8	19.3	18.0	18.2	18.5	18.7	19.2
12H	4H	17.9	18.3	18.4	18.7	19.2	18.0	18.4	18.5	18.8	19.3
	6H	17.9	18.2	18.4	18.7	19.2	18.0	18.3	18.5	18.8	19.3
	8H	18.0	18.2	18.5	18.7	19.2	18.0	18.3	18.5	18.7	19.3

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