Reflex

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: Q262
Q262: fixed circular recessed luminaire - Ø125 mm - tunable white

Product code
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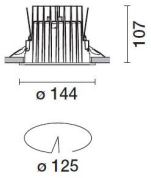
Technical description
Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with tunable White LED with a colour change temperature from 2700K to 6500K. General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° flood optic.

Installation
Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Colour
White / Aluminium (39)

Weight (Kg)
1

Mounting
ceiling recessed



Wiring
product complete with DALI dimmable ballast.

Complies with EN60598-1 and pertinent regulations

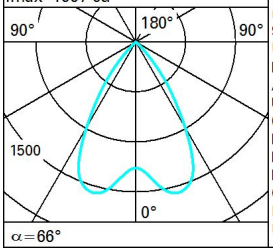
IP20 IP54 On the visible part of the product once installed

Technical data

lm system:	1659	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W system:	16.9	Lamp code:	LED
lm source:	2100	Number of lamps for optical assembly:	1
W source:	15	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	98.2	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Minimum dimming %:	1
Light Output Ratio (L.O.R.) [%]:	79	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Beam angle [°]:	66°	Control:	DALI-2
Colour temperature [K]:	Tunable white 2700 - 6500		

Polar

Imax=1567 cd



CIE
nL 0.79
96-100-100-100-79
UGR 18.2-18.2
DIN
A.61
UTE
0.79A+0.00T
F"1=959
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 I L<1500 cd/mq @65°

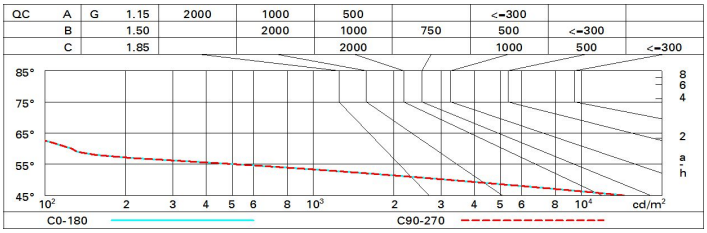
Lux

h	d	Em	Emax
1	1.3	1159	1432
2	2.6	290	358
3	3.9	129	159
4	5.2	72	89

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	63	62	60	75
1.0	73	70	67	65	69	67	66	64	80
1.5	77	75	73	71	74	72	71	69	87
2.0	80	78	76	75	77	75	75	72	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	80	79	78	76	97
4.0	84	83	82	82	81	81	80	78	98
5.0	84	84	83	83	82	82	80	78	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2100 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				viewed crosswise					viewed endwise		
x	y										
2H	2H	18.8	19.4	19.1	19.7	19.9	18.8	19.4	19.1	19.7	19.9
	3H	18.7	19.2	19.0	19.5	19.8	18.7	19.2	19.0	19.5	19.8
	4H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	6H	18.5	19.0	18.9	19.3	19.6	18.5	19.0	18.9	19.3	19.6
	8H	18.5	18.9	18.9	19.3	19.6	18.5	18.9	18.9	19.3	19.6
	12H	18.5	18.9	18.8	19.2	19.6	18.5	18.9	18.8	19.2	19.6
4H	2H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	3H	18.5	18.9	18.8	19.2	19.6	18.5	18.9	18.8	19.2	19.6
	4H	18.4	18.7	18.8	19.1	19.5	18.4	18.7	18.8	19.1	19.5
	6H	18.3	18.6	18.7	19.0	19.4	18.3	18.6	18.7	19.0	19.4
	8H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	12H	18.2	18.5	18.6	18.9	19.3	18.2	18.5	18.6	18.9	19.3
8H	4H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	6H	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.8	19.3
	8H	18.1	18.3	18.6	18.8	19.3	18.1	18.3	18.6	18.8	19.3
	12H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
12H	4H	18.2	18.5	18.6	18.9	19.3	18.2	18.5	18.6	18.9	19.3
	6H	18.1	18.3	18.6	18.8	19.3	18.1	18.3	18.6	18.8	19.3
	8H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2

Variations with the observer position at spacing:

S =			
	1.0H	4.6 / -25.8	4.6 / -25.8
	1.5H	7.4 / -32.6	7.4 / -32.6
	2.0H	9.4 / -33.5	9.4 / -33.5