Reflex

Design iGuzzini **iGuzzini**

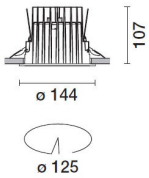
Last information update: May 2018

fixed circular recessed luminaire - Ø125 mm - tunable white

Product code
Q262

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.



Dimension (mm)
Ø144x107

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

Product configuration: Q262

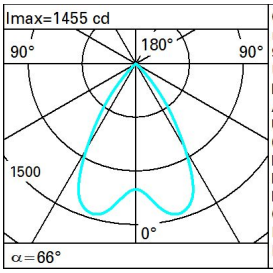
Product characteristics

Total lighting output [Lm]: 1540.5	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 16.9	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 91.2	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.9
Nominal power [W]: 14	Colour temperature [K]: /
Nominal luminous [Lm]: 1950	CRI: /
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 66°	MacAdam Step: /

Polar



CIE
nL 0.79
96-100-100-100-79
UGR 18.0-18.0
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<200 cd/m² at 65°
BZ1

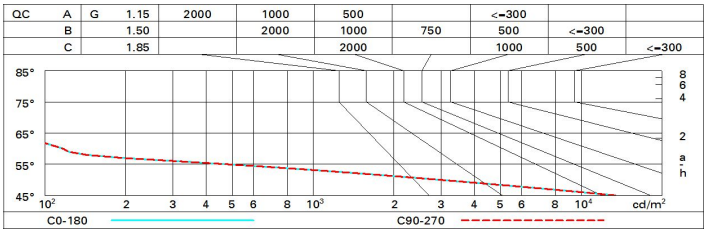
Lux

h	d	Em	Emax
1	1.3	1077	1329
2	2.6	269	332
3	3.9	120	148
4	5.2	67	83

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 1950 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	18.6	19.2	18.8	19.4	19.6	18.6	19.2	18.8	19.4	19.6
	3H	18.4	19.0	18.7	19.2	19.5	18.4	19.0	18.7	19.2	19.5
	4H	18.4	18.9	18.7	19.1	19.4	18.4	18.9	18.7	19.1	19.4
	6H	18.3	18.7	18.6	19.0	19.4	18.3	18.7	18.6	19.0	19.4
	8H	18.2	18.7	18.6	19.0	19.3	18.2	18.7	18.6	19.0	19.3
	12H	18.2	18.6	18.6	19.0	19.3	18.2	18.6	18.6	19.0	19.3
4H	2H	18.4	18.9	18.7	19.1	19.4	18.4	18.9	18.7	19.1	19.4
	3H	18.2	18.6	18.6	19.0	19.3	18.2	18.6	18.6	19.0	19.3
	4H	18.1	18.5	18.5	18.8	19.2	18.1	18.5	18.5	18.8	19.2
	6H	18.0	18.3	18.4	18.7	19.2	18.0	18.3	18.4	18.7	19.2
	8H	18.0	18.3	18.4	18.7	19.1	18.0	18.3	18.4	18.7	19.1
	12H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.6	19.1
8H	4H	18.0	18.3	18.4	18.7	19.1	18.0	18.3	18.4	18.7	19.1
	6H	17.9	18.1	18.4	18.6	19.0	17.9	18.1	18.4	18.6	19.0
	8H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	12H	17.8	18.0	18.3	18.4	19.0	17.8	18.0	18.3	18.4	19.0
12H	4H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.6	19.1
	6H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	8H	17.8	18.0	18.3	18.4	19.0	17.8	18.0	18.3	18.4	19.0

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