Reflex

Design iGuzzini　　　　　　　　　　　　　　　　**iGuzzini**

Last information update: June 2018

fixed circular recessed luminaire - Ø153 mm - TWRGB

Product code
Q263

Technical description
Round fixed luminaire designed to use TWRGB (tunable White + RGB) high efficiency LED lamps. 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 LEDs and the option of creating various light scenes, 2500-7000K tunable White or RGB with the same LED module. Luminaire complete with dimmable DALI driver, tunable White from 5% to 100%, RGB from 0% to 100%.

Installation
Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 25 mm.
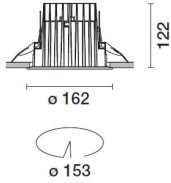
122

ø 162

ø 153

Dimension (mm)
Ø162x122

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

CE　CIDET　EAC　A++　pending

Product configuration: Q263

Product characteristics

Total lighting output [Lm]: 2010	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 33	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 60.9	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.) [%]: 67	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2
Nominal power [W]: 31	Colour temperature [K]: /
Nominal luminous [Lm]: 3000	CRI: /
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 60°	MacAdam Step: /

Polar

Imax=2194 cd

90° | 180° | 90°

2000

α=60°

CIE
nL 0.67
98-100-100-100-67
UGR 16.5-16.5
DIN
A.61
UTE
0.67A+0.00T
F"1=977
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 | L<1500 cd/mq @65°

Lux			
h	d	Em	Emax
2	2.3	413	493
4	4.6	103	123
6	6.9	46	55
8	9.2	26	31
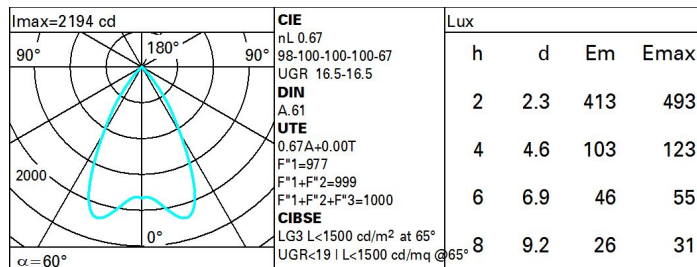
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	60	57	54	53	56	54	54	51	77
1.0	63	60	58	56	59	57	57	55	82
1.5	66	64	62	61	63	61	61	59	88
2.0	68	66	65	64	66	64	64	62	92
2.5	69	68	67	66	67	66	66	64	95
3.0	70	69	69	68	68	68	67	65	97
4.0	71	70	70	69	69	69	68	66	99
5.0	71	71	71	70	70	70	68	67	100

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
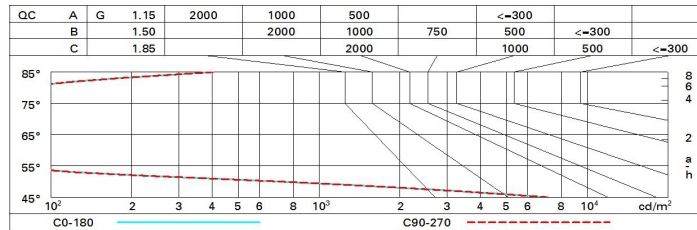
UGR diagram

Corrected UGR values (at 3000 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					viewed			
x	y		crosswise					endwise			
2H	2H	17.0	17.6	17.3	17.8	18.1	17.0	17.6	17.3	17.8	18.1
	3H	16.9	17.4	17.2	17.7	17.9	16.9	17.4	17.2	17.7	17.9
	4H	16.8	17.3	17.2	17.6	17.9	16.8	17.3	17.2	17.6	17.9
	6H	16.8	17.2	17.1	17.5	17.8	16.8	17.2	17.1	17.5	17.8
	8H	16.7	17.1	17.1	17.5	17.8	16.7	17.1	17.1	17.5	17.8
	12H	16.7	17.1	17.1	17.4	17.8	16.7	17.1	17.1	17.4	17.8
4H	2H	16.8	17.3	17.2	17.6	17.9	16.8	17.3	17.2	17.6	17.9
	3H	16.7	17.1	17.1	17.4	17.8	16.7	17.1	17.1	17.4	17.8
	4H	16.6	16.9	17.0	17.3	17.7	16.6	16.9	17.0	17.3	17.7
	6H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	8H	16.5	16.7	16.9	17.1	17.6	16.5	16.7	16.9	17.1	17.6
	12H	16.4	16.7	16.9	17.1	17.5	16.4	16.7	16.9	17.1	17.5
8H	4H	16.5	16.7	16.9	17.1	17.6	16.5	16.7	16.9	17.1	17.6
	6H	16.4	16.6	16.8	17.0	17.5	16.4	16.6	16.8	17.0	17.5
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	12H	16.3	16.4	16.8	16.9	17.4	16.3	16.4	16.8	16.9	17.4
12H	4H	16.4	16.7	16.9	17.1	17.5	16.4	16.7	16.9	17.1	17.5
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.3	16.4	16.8	16.9	17.4	16.3	16.4	16.8	16.9	17.4

Variations with the observer position at spacing:

S =	1.0H	5.0 / -24.6		5.0 / -24.6
	1.5H	7.8 / -24.8		7.8 / -24.8
	2.0H	9.8 / -25.4		9.8 / -25.4