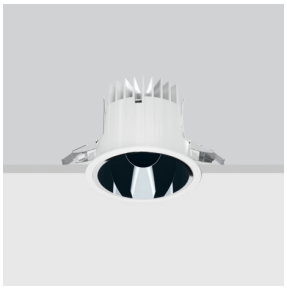
Reflex

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: N008
N008: Fixed circular recessed luminaire - Ø153 mm - warm white - medium optic - UGR<19



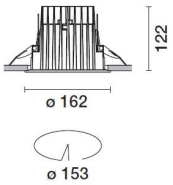
Product code
N008: Fixed circular recessed luminaire - Ø153 mm - warm white - medium optic - UGR<19 **Attention! Code no longer in production**

Technical description
Fixed round luminaire designed to use a LED lamp 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 LED lamp in warm white colour tone (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° medium optic.

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

Colour
White / Aluminium (39)

Weight (Kg)
1.22



Mounting
ceiling recessed

Wiring
product complete with an electronic ballast

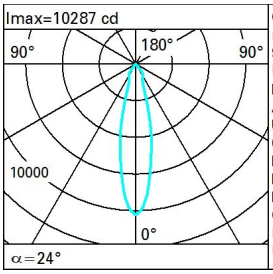
Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

Technical data

lm system:	2646	CRI (minimum):	80
W system:	23.7	Colour temperature [K]:	3000
lm source:	3050	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	111.7	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.) [%]:	87	Number of optical assemblies:	1
Beam angle [°]:	24°		

Polar



CIE
nL 0.87
99-100-100-100-87
UGR 15.5-15.5
DIN
A.61
UTE
0.87A+0.00T
F"1=993
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 I L<1500 cd/mq @65°

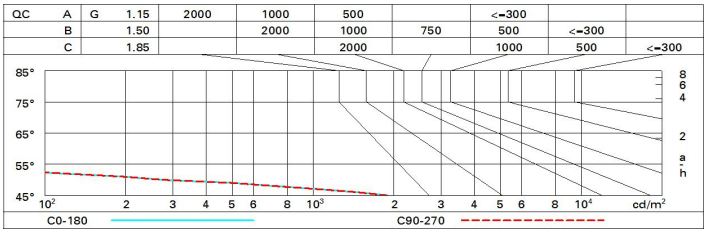
Lux

h	d	Em	Emax
2	0.9	1959	2572
4	1.7	490	643
6	2.6	218	286
8	3.4	122	161

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	78	74	71	69	73	71	70	68	78
1.0	82	78	75	73	77	75	74	72	83
1.5	86	83	81	79	82	80	79	77	88
2.0	88	86	85	83	85	84	83	80	93
2.5	90	89	87	86	87	86	85	83	96
3.0	91	90	89	88	89	88	87	85	98
4.0	92	91	91	90	90	89	88	86	99
5.0	93	92	92	91	91	90	89	87	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3050 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	16.4	18.1	16.7	18.4	18.8	16.4	18.1	16.7	18.4	18.8
	3H	16.3	17.5	16.6	17.8	18.2	16.3	17.5	16.6	17.8	18.2
	4H	16.2	17.3	16.5	17.6	18.0	16.2	17.3	16.5	17.6	18.0
	6H	16.1	17.2	16.5	17.5	17.9	16.1	17.2	16.5	17.5	17.9
	8H	16.0	17.1	16.4	17.5	17.8	16.0	17.1	16.4	17.5	17.8
	12H	16.0	17.0	16.4	17.4	17.8	16.0	17.0	16.4	17.4	17.8
4H	2H	16.2	17.3	16.5	17.6	18.0	16.2	17.3	16.5	17.6	18.0
	3H	16.0	17.0	16.4	17.4	17.8	16.0	17.0	16.4	17.4	17.8
	4H	15.9	16.9	16.3	17.2	17.7	15.9	16.9	16.3	17.2	17.7
	6H	15.6	16.9	16.1	17.4	17.8	15.6	16.9	16.1	17.4	17.8
	8H	15.5	17.0	16.0	17.4	17.9	15.5	17.0	16.0	17.4	17.9
	12H	15.4	17.0	15.9	17.5	18.0	15.4	17.0	15.9	17.5	18.0
8H	4H	15.5	17.0	16.0	17.4	17.9	15.5	17.0	16.0	17.4	17.9
	6H	15.4	16.9	15.9	17.3	17.8	15.4	16.9	15.9	17.3	17.8
	8H	15.3	16.6	15.9	17.1	17.7	15.3	16.6	15.9	17.1	17.7
	12H	15.4	16.4	15.9	16.9	17.4	15.4	16.4	15.9	16.9	17.4
12H	4H	15.4	17.0	15.9	17.5	18.0	15.4	17.0	15.9	17.5	18.0
	6H	15.3	16.6	15.9	17.1	17.7	15.3	16.6	15.9	17.1	17.7
	8H	15.4	16.4	15.9	16.9	17.4	15.4	16.4	15.9	16.9	17.4

Variations with the observer position at spacing:

S =			
	1.0H	5.1 / -31.3	5.1 / -31.3
	1.5H	7.9 / -31.6	7.9 / -31.6
	2.0H	9.9 / -31.8	9.9 / -31.8