Reflex

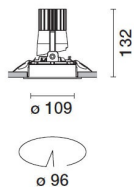**Design iGuzzini**   **iGuzzini**

Last information update: May 2024

Product configuration: N071
N071: adjustable luminaire - Ø 96 mm - neutral white - medium optic - frame

Product code
N071: adjustable luminaire - Ø 96 mm - neutral white - medium optic - frame **Attention! Code no longer in production**

Technical description
Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a neutral white colour tone 4,000K (CRI 80).
Version with rim for surface-mounting. Painted, die-cast aluminium body. Lower reflector vacuum-metallised with aluminium vapours
with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can
be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light
beam aiming. Painted extruded aluminium dissipater.

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

Colour	Weight (Kg)
White / Aluminium (39)	0.49

Mounting
ceiling recessed

Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP23 CE 03 S EHL

Technical data

lm system:	711	CRI (minimum):	80
W system:	12.7	Colour temperature [K]:	4000
lm source:	1550	MacAdam Step:	2
W source:	9.8	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	56	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.) [%]:	46	Number of optical assemblies:	1
Beam angle [°]:	25°		

Polar

Imax=3242 cd			C0-180

CIE
nL 0.46
99-100-100-100-46
UGR <10-<10
DIN
A.61
UTE
0.46A+0.00T
F"1=995
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

α=25°

Lux				
h	d1	d2	Em	Emax
2	0.9	0.9	611	811
4	1.8	1.8	153	203
6	2.7	2.7	68	90
8	3.5	3.5	38	51

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	41	39	38	37	39	37	37	36	78
1.0	43	41	40	39	41	40	39	38	83
1.5	45	44	43	42	43	42	42	41	88
2.0	47	46	45	44	45	44	44	43	93
2.5	48	47	46	46	46	46	45	44	96
3.0	48	48	47	47	47	46	46	45	98
4.0	49	48	48	48	48	47	47	46	99
5.0	49	49	48	48	48	48	47	46	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
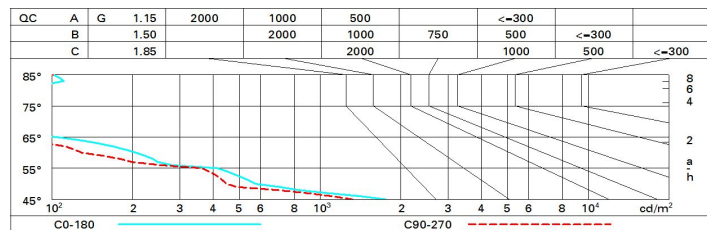
UGR diagram

Corrected UGR values (at 1550 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	0.5	2.6	0.9	2.9	3.3	0.1	2.3	0.5	2.6	2.9
	3H	0.3	2.0	0.7	2.3	2.7	-0.0	1.7	0.4	2.0	2.3
	4H	0.3	1.7	0.6	2.0	2.3	-0.1	1.3	0.3	1.7	2.0
	6H	0.2	1.3	0.6	1.6	2.0	-0.1	1.0	0.3	1.3	1.7
	8H	0.2	1.2	0.6	1.6	1.9	-0.1	0.9	0.3	1.2	1.6
	12H	0.2	1.2	0.6	1.5	1.9	-0.2	0.8	0.2	1.2	1.6
4H	2H	0.3	1.7	0.7	2.0	2.4	-0.1	1.3	0.3	1.6	2.0
	3H	0.2	1.2	0.6	1.5	1.9	-0.2	0.8	0.2	1.2	1.6
	4H	0.0	1.0	0.5	1.4	1.8	-0.3	0.7	0.1	1.1	1.5
	6H	-0.3	1.4	0.2	1.8	2.3	-0.7	1.0	-0.2	1.5	1.9
	8H	-0.5	1.5	0.0	1.9	2.4	-0.8	1.1	-0.3	1.6	2.1
	12H	-0.6	1.4	-0.0	1.9	2.4	-0.9	1.1	-0.4	1.6	2.1
8H	4H	-0.5	1.4	0.0	1.9	2.4	-0.8	1.1	-0.3	1.6	2.1
	6H	-0.6	1.2	-0.1	1.7	2.3	-0.9	0.9	-0.4	1.4	1.9
	8H	-0.6	1.0	-0.1	1.5	2.1	-0.9	0.7	-0.4	1.2	1.7
	12H	-0.4	0.7	0.1	1.2	1.7	-0.8	0.3	-0.3	0.8	1.3
12H	4H	-0.6	1.4	-0.1	1.9	2.4	-0.9	1.1	-0.4	1.6	2.1
	6H	-0.6	1.0	-0.1	1.5	2.1	-0.9	0.7	-0.4	1.2	1.8
	8H	-0.4	0.6	0.1	1.1	1.7	-0.8	0.3	-0.2	0.8	1.4

Variations with the observer position at spacing:

S =				
	1.0H	3.9 / -8.6		4.4 / -9.8
	1.5H	6.7 / -13.5		7.2 / -11.8
	2.0H	8.6 / -13.5		9.2 / -14.1