Reflex

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: N034+PA54.01
N034: adjustable luminaire - Ø 96 mm - neutral white - flood optic - minimal
PA54.01: Minimal flange - White

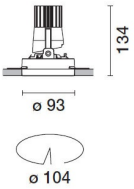
Product code
N034: adjustable luminaire - Ø 96 mm - neutral white - flood optic - minimal **Attention! Code no longer in production**

Technical description
Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a neutral white colour tone 4000K. Version without rim for mounting flush with ceiling. 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
Installation flush with the ceiling is for false ceilings 12.5 mm thick

Colour	Weight (Kg)
Aluminium (12)	0.49

Mounting
ceiling recessed



Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP23

Accessory code
PA54.01: Minimal flange - White **Attention! Code no longer in production**

Technical description
Adapter for plasterboard false ceilings and rapid flush with ceiling installations, specifically for adjustable Reflex recessed luminaires. Made of plastic with a border for limiting plaster and holes for installation with screws and anchors suitable for plasterboard (included). Fastening the adapter to the installation surface does not require predefined panel thicknesses.

Installation
Preparation hole Ø 104 mm. Fastening the perforated perimeter rim to the installation surface (fixing screws included) - subsequent operations including filling, smoothing to the reference border and finishing - final insertion of the recessed luminaire (separate code) in the adapter.

Colour	Weight (Kg)
White (01)	0.05

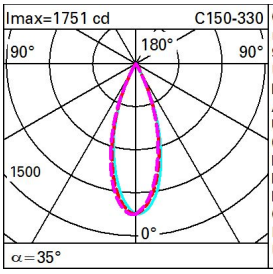
Mounting
ceiling recessed

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	619	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):	48.7	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.) [%]:	40	Number of optical assemblies:	1
Beam angle [°]:	35°		

Polar



CIE
nL 0.40
99-100-100-100-40
UGR <10-<10
DIN
A.61
UTE
0.40A+0.00T
F"1=991
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

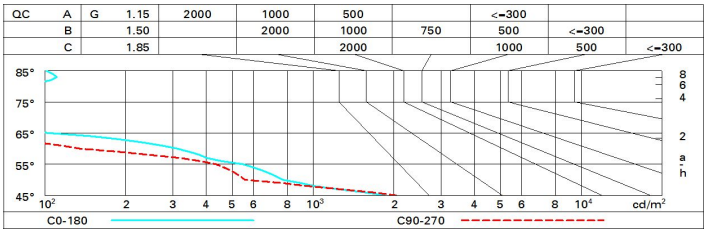
Lux

h	d1	d2	Em	Emax
2	1.3	1.3	335	437
4	2.5	2.5	84	109
6	3.8	3.8	37	49
8	5	5	21	27

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	34	33	32	34	33	32	31	78
1.0	38	36	35	34	35	34	34	33	82
1.5	39	38	37	36	38	37	36	35	88
2.0	41	40	39	38	39	39	38	37	93
2.5	41	41	40	40	40	40	39	38	96
3.0	42	41	41	41	41	40	40	39	98
4.0	42	42	42	42	41	41	41	40	99
5.0	43	42	42	42	42	42	41	40	100

Luminance curve limit



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	4.3	4.8	4.5	5.1	5.3	4.7	5.2	5.0	5.5	5.7
	3H	4.1	4.6	4.5	4.9	5.2	4.6	5.1	4.9	5.3	5.6
	4H	4.1	4.5	4.4	4.8	5.1	4.5	4.9	4.8	5.2	5.5
	6H	4.0	4.4	4.3	4.7	5.1	4.4	4.8	4.8	5.1	5.5
	8H	4.0	4.4	4.3	4.7	5.0	4.4	4.8	4.7	5.1	5.4
	12H	3.9	4.3	4.3	4.7	5.0	4.3	4.7	4.7	5.1	5.4
4H	2H	4.1	4.5	4.4	4.8	5.1	4.5	4.9	4.8	5.2	5.5
	3H	3.9	4.3	4.3	4.7	5.0	4.3	4.7	4.7	5.1	5.4
	4H	3.8	4.2	4.2	4.6	4.9	4.2	4.6	4.6	5.0	5.3
	6H	3.8	4.1	4.2	4.5	4.9	4.2	4.5	4.6	4.9	5.3
	8H	3.7	4.0	4.2	4.4	4.8	4.1	4.4	4.5	4.8	5.2
	12H	3.7	3.9	4.1	4.4	4.8	4.1	4.3	4.5	4.7	5.2
8H	4H	3.7	4.0	4.2	4.4	4.8	4.1	4.4	4.6	4.8	5.2
	6H	3.6	3.9	4.1	4.3	4.8	4.0	4.3	4.5	4.7	5.2
	8H	3.6	3.8	4.1	4.2	4.7	4.0	4.2	4.5	4.6	5.1
	12H	3.5	3.7	4.0	4.2	4.7	3.9	4.1	4.4	4.6	5.1
12H	4H	3.7	3.9	4.1	4.3	4.8	4.1	4.3	4.5	4.7	5.2
	6H	3.6	3.8	4.1	4.2	4.7	4.0	4.2	4.5	4.6	5.1
	8H	3.5	3.7	4.0	4.2	4.7	3.9	4.1	4.4	4.6	5.1

Variations with the observer position at spacing:

S =	1.0H	5.3 / -10.0	5.0 / -11.3
	1.5H	8.0 / -12.5	7.8 / -17.1
	2.0H	10.0 / -15.8	9.8 / -17.3