

Reflex

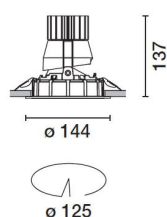
Design iGuzzini

iGuzzini

Last information update: May 2025

Product configuration: N086.Y.39

N086.Y.39: adjustable luminaire - Ø 125 mm - neutral white - flood optic - frame - 17.6W 1098.3lm - 4000K - White / Aluminium



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Technical description

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 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

White / Aluminium (39)

Weight (Kg)

0.8

Mounting

ceiling recessed

Wiring

Product complete with DALI components

Notes

Tpa rated

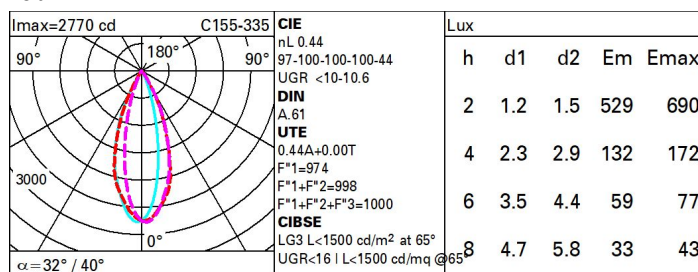
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1098	Rf (Colour Fidelity Index):	83
W system:	17.6	Rg (Gamut Index):	94
lm source:	2500	Colour temperature [K]:	4000
W source:	15	MacAdam Step:	2
Luminous efficiency (lm/W, real value):	62.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	44	ZVEI Code:	LED
Beam angle [°]:	32° / 40°	Number of optical assemblies:	1
CRI (minimum):	80	Control:	DALI-2

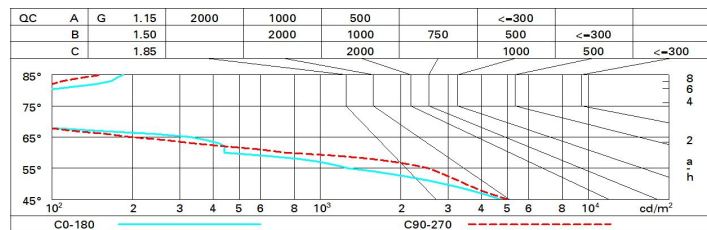
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	39	37	36	34	37	35	35	34	77
1.0	41	39	38	37	39	37	37	36	81
1.5	43	42	41	40	41	40	40	38	88
2.0	45	44	43	42	43	42	42	40	92
2.5	45	45	44	43	44	43	43	42	95
3.0	46	45	45	44	45	44	44	43	97
4.0	47	46	46	45	45	45	44	43	99
5.0	47	47	46	46	46	46	45	44	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2500 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	4.3	4.9	4.6	5.1	5.4	11.2	11.8	11.5	12.0	12.3
	3H	4.2	4.7	4.5	5.0	5.3	11.1	11.6	11.4	11.9	12.1
	4H	4.1	4.6	4.5	4.9	5.2	11.0	11.5	11.3	11.8	12.1
	6H	4.1	4.5	4.4	4.8	5.2	10.9	11.4	11.3	11.7	12.0
	8H	4.0	4.5	4.4	4.8	5.1	10.9	11.3	11.2	11.6	12.0
	12H	4.0	4.4	4.4	4.8	5.1	10.8	11.3	11.2	11.6	12.0
4H	2H	4.4	4.9	4.7	5.2	5.5	11.0	11.5	11.3	11.8	12.1
	3H	4.3	4.7	4.7	5.1	5.4	10.9	11.3	11.2	11.6	12.0
	4H	4.2	4.6	4.6	5.0	5.3	10.8	11.1	11.2	11.5	11.9
	6H	4.1	4.5	4.6	4.9	5.3	10.7	11.0	11.1	11.4	11.8
	8H	4.1	4.4	4.5	4.8	5.3	10.6	10.9	11.1	11.4	11.8
	12H	4.1	4.3	4.5	4.8	5.2	10.6	10.9	11.0	11.3	11.8
8H	4H	4.1	4.4	4.5	4.8	5.2	10.6	10.9	11.1	11.4	11.8
	6H	4.0	4.3	4.5	4.7	5.2	10.6	10.8	11.0	11.2	11.7
	8H	4.0	4.2	4.5	4.7	5.2	10.5	10.7	11.0	11.2	11.7
	12H	3.9	4.1	4.4	4.6	5.1	10.4	10.6	10.9	11.1	11.6
12H	4H	4.0	4.3	4.5	4.7	5.2	10.6	10.9	11.0	11.3	11.8
	6H	4.0	4.2	4.5	4.6	5.1	10.5	10.7	11.0	11.2	11.7
	8H	3.9	4.1	4.4	4.6	5.1	10.4	10.6	10.9	11.1	11.6
Variations with the observer position at spacing:											
S =		1.0H	4.3 / -8.1				3.7 / -5.7				
		1.5H	6.0 / -8.2				6.4 / -10.8				
		2.0H	7.7 / -11.7				8.4 / -19.4				