

Last information update: April 2025

Product configuration: N089

N089: adjustable luminaire - Ø 125 mm - warm white - medium optic - frame



Product code

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Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a warm white colour tone 3000K (CRI 90). 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

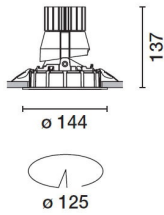
Wiring

Product complete with DALI components

Notes

Tpa rated

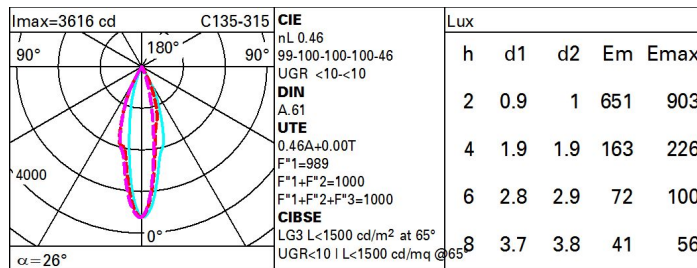
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1012	CRI (minimum):	90
W system:	19.1	Colour temperature [K]:	3000
lm source:	2200	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	53	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 [°]:	26°	Control:	DALI-2

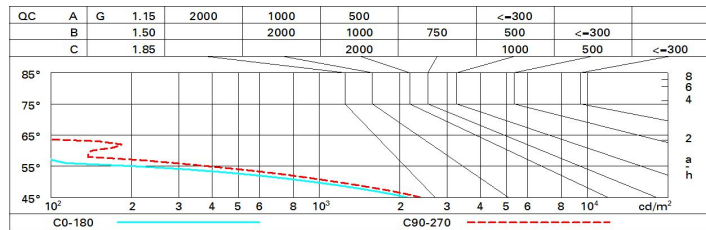
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	41	39	38	36	39	37	37	36	78
1.0	43	41	40	39	41	40	39	38	82
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	95
3.0	48	48	47	47	47	47	46	45	97
4.0	49	48	48	48	48	47	47	46	99
5.0	49	49	49	48	48	48	47	46	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2200 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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											
x	y										
2H	2H	3.2	3.8	3.5	4.0	4.2	1.8	2.4	2.1	2.0	2.9
	3H	3.1	3.0	3.4	3.9	4.1	1.7	2.2	2.1	2.5	2.8
	4H	3.0	3.5	3.3	3.8	4.1	1.7	2.1	2.0	2.4	2.7
	6H	2.9	3.4	3.3	3.7	4.0	1.6	2.0	1.9	2.3	2.7
	8H	2.9	3.3	3.3	3.6	4.0	1.6	2.0	1.9	2.3	2.6
	12H	2.9	3.3	3.2	3.6	3.9	1.5	1.9	1.9	2.3	2.6
4H	2H	3.0	3.5	3.4	3.8	4.1	1.7	2.1	2.0	2.4	2.7
	3H	2.9	3.3	3.2	3.6	4.0	1.5	1.9	1.9	2.3	2.6
	4H	2.8	3.1	3.2	3.5	3.9	1.4	1.8	1.8	2.2	2.5
	6H	2.7	3.0	3.1	3.4	3.8	1.4	1.7	1.8	2.1	2.5
	8H	2.7	2.9	3.1	3.3	3.8	1.3	1.6	1.7	2.0	2.4
	12H	2.6	2.9	3.1	3.3	3.7	1.3	1.5	1.7	1.9	2.4
8H	4H	2.6	2.9	3.1	3.3	3.8	1.3	1.6	1.7	2.0	2.4
	6H	2.6	2.8	3.0	3.2	3.7	1.2	1.4	1.7	1.9	2.4
	8H	2.5	2.7	3.0	3.2	3.7	1.2	1.4	1.6	1.8	2.3
	12H	2.5	2.6	3.0	3.1	3.6	1.1	1.3	1.6	1.8	2.3
12H	4H	2.6	2.9	3.1	3.3	3.7	1.3	1.5	1.7	1.9	2.4
	6H	2.5	2.7	3.0	3.2	3.7	1.2	1.4	1.6	1.8	2.3
	8H	2.4	2.6	3.0	3.1	3.6	1.1	1.3	1.6	1.8	2.3
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -12.8					4.2 / -9.9				
	1.5H	7.8 / -22.6					6.8 / -11.5				
	2.0H	9.8 / -23.0					8.8 / -23.6				