

Last information update: April 2024

Product configuration: N075

N075: adjustable luminaire - Ø 96 mm - neutral 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 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)

0.49

Mounting

ceiling recessed

Wiring

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	734	MacAdam Step:	2
W system:	12.6	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	1600	Lamp code:	LED
W source:	10	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	58.2	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	46	Inrush current:	16 A / 220 µs
Beam angle [°]:	25°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2

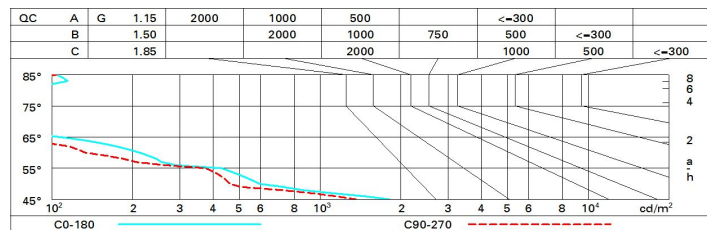
Polar

Imax=3347 cd				C0-180		CIE		Lux				
90°				180°		nL 0.46		h				
90°				90°		99-100-100-100-46		d1				
						UGR <10-10		d2				
						DIN		Em				
						A.61		Emax				
						UTE		2				
						0.46A+0.00T		0.9				
						F*1=995		0.9				
						F*1+F*2=1000		630				
						F*1+F*2+F*3=1000		837				
						CIBSE		4				
						LG3 L<1500 cd/m² at 65°		1.8				
						UGR<10 L<1500 cd/mq @65°		1.8				
								158				
								209				
								6				
								2.7				
								2.7				
								70				
								93				
								8				
								3.5				
								3.5				
								39				
								52				
α=25°												

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



UGR diagram

Corrected UGR values (at 1000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	0.6	2.7	1.0	3.1	3.4	0.2	2.4	0.6	2.7	3.0
	3H	0.4	2.1	0.8	2.4	2.8	0.1	1.8	0.5	2.1	2.5
	4H	0.4	1.8	0.8	2.1	2.5	0.0	1.4	0.4	1.8	2.1
	6H	0.3	1.4	0.7	1.7	2.1	0.0	1.1	0.4	1.4	1.8
	8H	0.3	1.3	0.7	1.7	2.1	-0.0	1.0	0.4	1.4	1.7
	12H	0.3	1.3	0.7	1.6	2.0	-0.1	0.9	0.3	1.3	1.7
4H	2H	0.4	1.8	0.8	2.1	2.5	0.0	1.4	0.4	1.8	2.1
	3H	0.3	1.3	0.7	1.6	2.0	-0.1	0.9	0.3	1.3	1.7
	4H	0.2	1.1	0.6	1.5	1.9	-0.2	0.8	0.2	1.2	1.6
	6H	-0.2	1.5	0.3	1.9	2.4	-0.6	1.1	-0.1	1.6	2.1
	8H	-0.3	1.6	0.1	2.0	2.5	-0.7	1.2	-0.2	1.7	2.2
	12H	-0.4	1.5	0.1	2.0	2.5	-0.8	1.2	-0.3	1.7	2.2
8H	4H	-0.4	1.5	0.1	2.0	2.5	-0.7	1.2	-0.2	1.7	2.2
	6H	-0.5	1.4	0.0	1.8	2.4	-0.8	1.0	-0.3	1.5	2.1
	8H	-0.5	1.2	0.0	1.7	2.2	-0.8	0.8	-0.3	1.3	1.9
	12H	-0.3	0.8	0.2	1.3	1.8	-0.7	0.4	-0.2	0.9	1.5
12H	4H	-0.5	1.5	0.0	2.0	2.5	-0.8	1.2	-0.3	1.7	2.2
	6H	-0.5	1.1	0.0	1.6	2.2	-0.8	0.8	-0.3	1.3	1.9
	8H	-0.3	0.8	0.2	1.3	1.8	-0.7	0.4	-0.1	0.9	1.5
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				