

Last information update: April 2025

Product configuration: N016

N016: Fixed circular recessed luminaire - Ø212 mm - warm white - wide flood optic - UGR<19



Product code

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Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI 90 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° wide flood optic.

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)

1.95

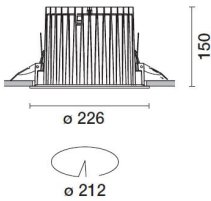
Mounting

ceiling recessed

Wiring

product complete with DALI components

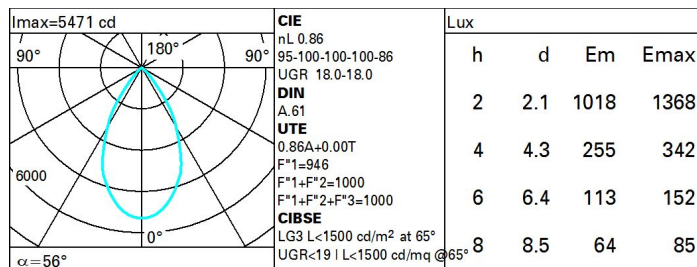
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	4641	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	43.4	Lamp code:	LED
lm source:	5400	Number of lamps for optical assembly:	1
W source:	39	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	106.9	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	30 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	86	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Beam angle [°]:	56°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 2kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

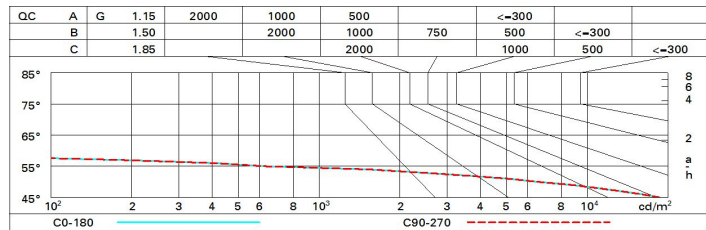
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	71	68	65	70	67	67	64	74
1.0	79	75	72	70	74	72	71	68	80
1.5	84	81	79	77	80	78	77	74	86
2.0	87	85	83	81	83	82	81	78	91
2.5	89	87	85	84	86	84	83	81	94
3.0	90	88	87	86	87	86	85	83	96
4.0	91	90	89	88	88	88	86	84	98
5.0	91	91	90	90	89	89	87	85	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 5400 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		viewed crosswise					viewed endwise				
x	y										
2H	2H	18.0	19.2	18.8	19.5	19.7	18.0	19.2	18.8	19.5	19.7
	3H	18.4	19.0	18.7	19.3	19.6	18.4	19.0	18.7	19.3	19.6
	4H	18.3	18.9	18.7	19.2	19.5	18.4	18.9	18.7	19.2	19.5
	6H	18.3	18.8	18.6	19.1	19.4	18.3	18.8	18.6	19.1	19.4
	8H	18.2	18.7	18.6	19.1	19.4	18.2	18.7	18.6	19.1	19.4
12H	18.2	18.7	18.6	19.0	19.4	18.2	18.7	18.6	19.0	19.4	
4H	2H	18.4	18.9	18.7	19.2	19.5	18.3	18.9	18.7	19.2	19.5
	3H	18.2	18.7	18.6	19.0	19.4	18.2	18.7	18.6	19.0	19.4
	4H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	19.3
	6H	18.0	18.4	18.4	18.8	19.2	18.0	18.4	18.4	18.8	19.2
	8H	18.0	18.3	18.4	18.7	19.2	18.0	18.3	18.4	18.7	19.2
12H	17.9	18.2	18.4	18.7	19.1	17.9	18.2	18.4	18.7	19.1	
8H	4H	18.0	18.3	18.4	18.7	19.2	18.0	18.3	18.4	18.7	19.2
	6H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.6	19.1
	8H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.5	19.0
	12H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
12H	4H	17.9	18.2	18.4	18.7	19.1	17.9	18.2	18.4	18.7	19.1
	6H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.5	19.0
	8H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
Variations with the observer position at spacing:											
S =	1.0H	4.5 / -24.2					4.5 / -24.2				
	1.5H	7.2 / -33.8					7.2 / -33.8				
	2.0H	9.2 / -34.2					9.2 / -34.2				