

Last information update: April 2024

**Product configuration: N002**

N002: Fixed circular recessed luminaire - Ø125 mm - warm white - flood optic - UGR&lt;19

**Product code**

N002: Fixed circular recessed luminaire - Ø125 mm - warm white - flood optic - UGR&lt;19

**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 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m<sup>2</sup> α>65° flood optic.

**Installation**

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

**Colour**

White / Aluminium (39)

**Weight (Kg)**

1.02

**Mounting**

ceiling recessed

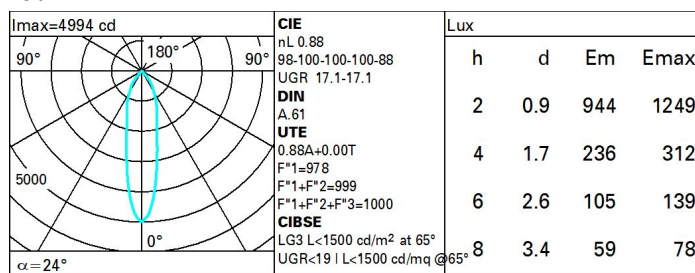
**Wiring**

product complete with DALI components

Complies with EN60598-1 and pertinent regulations

**Technical data**

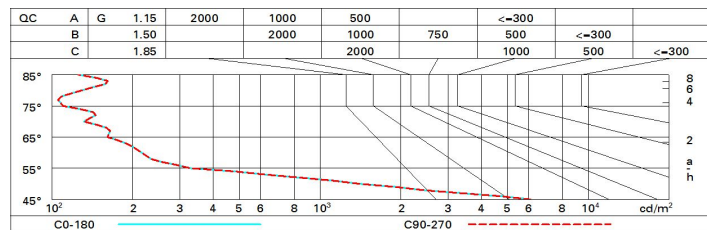
lm system:	1845	MacAdam Step:	2
W system:	15.3	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	2100	Lamp code:	LED
W source:	13	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	120.6	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	88	Inrush current:	16 A / 220 µs
Beam angle [°]:	24°	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]:	3000	Control:	DALI-2

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	79	74	71	69	74	71	70	68	77
1.0	82	78	76	73	77	75	75	72	82
1.5	86	84	81	79	83	81	80	77	88
2.0	89	87	85	84	86	84	83	81	92
2.5	91	89	88	87	88	87	86	84	95
3.0	92	91	90	89	89	89	88	85	97
4.0	93	92	92	91	91	90	89	87	99
5.0	94	93	93	92	92	91	90	88	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2100 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	17.6	18.3	17.9	18.5	18.8	17.6	18.3	17.9	18.5	18.8
	3H	17.5	18.1	17.8	18.4	18.6	17.5	18.1	17.8	18.4	18.6
	4H	17.4	18.0	17.8	18.3	18.6	17.4	18.0	17.8	18.3	18.6
	6H	17.3	17.9	17.7	18.2	18.5	17.3	17.9	17.7	18.2	18.5
	8H	17.3	17.8	17.7	18.1	18.5	17.3	17.8	17.7	18.1	18.5
	12H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
4H	2H	17.4	18.0	17.8	18.3	18.6	17.4	18.0	17.8	18.3	18.6
	3H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
	4H	17.2	17.6	17.6	18.0	18.3	17.2	17.6	17.6	18.0	18.3
	6H	17.1	17.5	17.5	17.9	18.3	17.1	17.5	17.5	17.9	18.3
	8H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	12H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
8H	4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	6H	17.0	17.2	17.4	17.7	18.1	17.0	17.2	17.4	17.7	18.1
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	12H	16.9	17.1	17.4	17.5	18.1	16.9	17.1	17.4	17.5	18.1
12H	4H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	6H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	8H	16.9	17.1	17.4	17.5	18.1	16.9	17.1	17.4	17.5	18.1
Variations with the observer position at spacing:											
S =	1.0H	4.4 / -24.6					4.4 / -24.6				
	1.5H	7.2 / -25.8					7.2 / -25.8				
	2.0H	9.2 / -26.2					9.2 / -26.2				