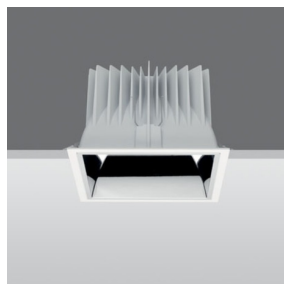


Last information update: May 2024

Product configuration: MC32

MC32: Square recessed luminaire - 226x226 mm H=146 mm - LED warm white - DALI ballast - general light optic with controlled luminance UGR<19

**Product code**MC32: Square recessed luminaire - 226x226 mm H=146 mm - LED warm white - DALI ballast - general light optic with controlled luminance UGR<19 **Attention! Code no longer in production****Technical description**

Recessed fixed square luminaire designed to use a LED lamp. 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 2000 lm DALI LED unit in a warm white tone 3000K and driver separate from the luminaire. General light distribution, with controlled luminance (UGR<19).

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)

2.18

Mounting

ceiling recessed

Wiring

Product complete with DALI electronic components

Complies with EN60598-1 and pertinent regulations



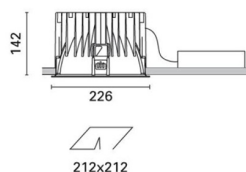
IP20

IP23

On the visible part of the product once installed

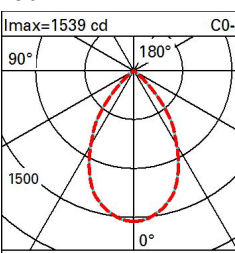


pending

**Technical data**

lm system:	1819	Colour temperature [K]:	3000
W system:	21	MacAdam Step:	3
lm source:	2000	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	18	Lamp code:	LED
Luminous efficiency (lm/W, real value):	86.6	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	91	Control:	DALI
CRI:	80		

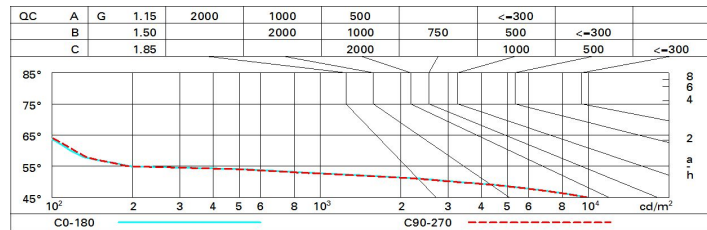
Polar

Imax=1539 cd		C0-180		CIE		Lux				
90°	180°	90°	0°	nL 0.91 86-100-100-100-91 UGR 16.7-16.7		h	d1	d2	Em	Emax
				DIN A.61		1	1.3	1.3	1105	1539
				UTE 0.91A+0.00T F*1=860		2	2.6	2.6	276	385
				F*1+F*2=999 F*1+F*2+F*3=1000		3	3.9	3.9	123	171
				CIBSE LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @65°		4	5.2	5.2	69	96
				alpha=66°						

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	71	67	64	70	66	66	62	68
1.0	81	76	72	69	75	71	71	67	74
1.5	87	83	80	78	82	79	78	75	83
2.0	90	88	85	83	86	84	83	80	88
2.5	92	90	88	87	89	87	86	83	92
3.0	94	92	91	89	90	89	88	85	94
4.0	95	94	93	92	92	91	90	87	96
5.0	96	95	94	93	93	92	91	88	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 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	17.2	18.0	17.5	18.2	18.4	17.2	17.9	17.5	18.2	18.4
	3H	17.1	17.7	17.4	18.0	18.3	17.1	17.8	17.4	18.0	18.3
	4H	17.0	17.6	17.3	17.9	18.2	17.0	17.6	17.4	17.9	18.2
	6H	16.9	17.5	17.3	17.8	18.1	16.9	17.5	17.3	17.8	18.1
	8H	16.9	17.4	17.3	17.8	18.1	16.9	17.4	17.3	17.8	18.1
	12H	16.9	17.4	17.2	17.7	18.1	16.9	17.4	17.3	17.7	18.1
4H	2H	17.0	17.6	17.4	17.9	18.2	17.0	17.6	17.3	17.9	18.2
	3H	16.9	17.4	17.3	17.7	18.1	16.9	17.4	17.3	17.7	18.1
	4H	16.8	17.2	17.2	17.6	18.0	16.8	17.2	17.2	17.6	18.0
	6H	16.7	17.1	17.1	17.5	17.9	16.7	17.1	17.1	17.5	17.9
	8H	16.7	17.0	17.1	17.4	17.9	16.7	17.0	17.1	17.4	17.9
	12H	16.6	16.9	17.1	17.4	17.8	16.6	16.9	17.1	17.4	17.8
8H	4H	16.7	17.0	17.1	17.4	17.9	16.7	17.0	17.1	17.4	17.9
	6H	16.6	16.9	17.0	17.3	17.8	16.6	16.9	17.0	17.3	17.8
	8H	16.5	16.8	17.0	17.2	17.7	16.5	16.8	17.0	17.2	17.7
	12H	16.5	16.7	17.0	17.2	17.7	16.5	16.7	17.0	17.2	17.7
12H	4H	16.6	16.9	17.1	17.4	17.8	16.6	16.9	17.1	17.4	17.8
	6H	16.5	16.8	17.0	17.2	17.7	16.5	16.8	17.0	17.2	17.7
	8H	16.5	16.7	17.0	17.2	17.7	16.5	16.7	17.0	17.2	17.7
Variations with the observer position at spacing:											
S =	1.0H	2.9 / -18.5					2.9 / -18.7				
	1.5H	4.3 / -25.8					4.3 / -25.6				
	2.0H	6.2 / -26.6					6.3 / -26.4				