

Last information update: May 2024

**Product configuration: MC33**

MC33: Square recessed luminaire - 226x226 mm H=146 mm - LED neutral white - DALI ballast - general light optic with controlled luminance UGR&lt;19

**Product code**MC33: Square recessed luminaire - 226x226 mm H=146 mm - LED neutral 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 3000 lm DALI LED unit in a neutral white tone 4000K 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)**

2.34

**Mounting**

ceiling recessed

**Wiring**

Product complete with DALI electronic components

Complies with EN60598-1 and pertinent regulations



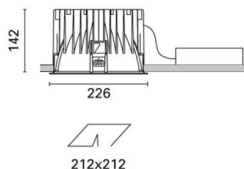
IP20

IP23

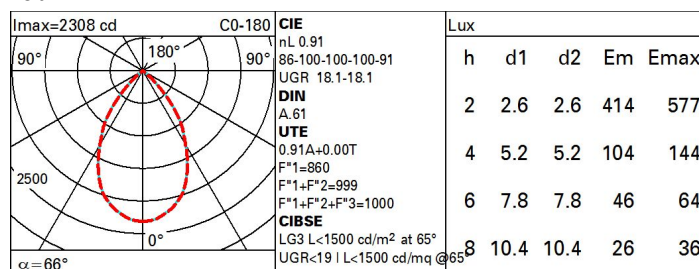
On the visible part of the product once installed



pending

**Technical data**

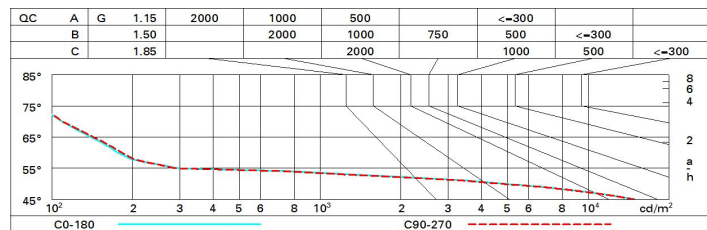
lm system:	2729	Colour temperature [K]:	4000
W system:	26.2	MacAdam Step:	3
lm source:	3000	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	23	Lamp code:	LED
Luminous efficiency (lm/W, real value):	104.1	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light 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**

# 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 3000 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	18.6	19.4	18.9	19.6	19.8	18.6	19.4	18.9	19.6	19.8
	3H	18.5	19.1	18.8	19.4	19.7	18.5	19.2	18.8	19.4	19.7
	4H	18.4	19.0	18.8	19.3	19.6	18.4	19.0	18.8	19.3	19.6
	6H	18.3	18.9	18.7	19.2	19.5	18.4	18.9	18.7	19.2	19.6
	8H	18.3	18.8	18.7	19.2	19.5	18.3	18.9	18.7	19.2	19.5
	12H	18.3	18.8	18.6	19.1	19.5	18.3	18.8	18.7	19.1	19.5
4H	2H	18.4	19.0	18.8	19.3	19.6	18.4	19.0	18.7	19.3	19.6
	3H	18.3	18.8	18.7	19.1	19.5	18.3	18.8	18.7	19.1	19.5
	4H	18.2	18.6	18.6	19.0	19.4	18.2	18.6	18.6	19.0	19.4
	6H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	19.3
	8H	18.1	18.4	18.5	18.8	19.3	18.1	18.4	18.5	18.8	19.3
	12H	18.0	18.3	18.5	18.8	19.2	18.0	18.3	18.5	18.8	19.2
8H	4H	18.1	18.4	18.5	18.8	19.3	18.1	18.4	18.5	18.8	19.3
	6H	18.0	18.3	18.5	18.7	19.2	18.0	18.3	18.4	18.7	19.2
	8H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.6	19.1
	12H	17.9	18.1	18.4	18.6	19.1	17.9	18.1	18.4	18.6	19.1
12H	4H	18.0	18.3	18.5	18.8	19.2	18.0	18.3	18.5	18.8	19.2
	6H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.6	19.1
	8H	17.9	18.1	18.4	18.6	19.1	17.9	18.1	18.4	18.6	19.1
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				