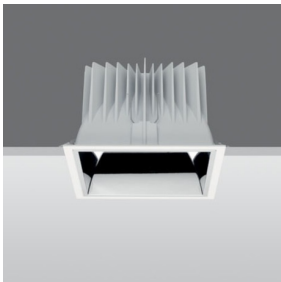


Last information update: April 2018



Square recessed luminaire - 226x226 mm H=146 mm - neutral white - electronic ballast - general light optic with controlled luminance UGR<19

Product code
MC27

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 LED unit in a neutral white tone 4000K and electronic 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.

Dimension (mm)
226x226x142

Colour
White/Aluminium (39)

Weight (Kg)
2.21

Mounting
ceiling recessed

Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



Product configuration: MC27

Product characteristics

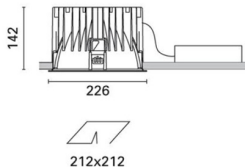
Total lighting output [Lm]: 1819
Total power [W]: 18.8
Luminous efficacy [Lm/W]: 96.8
Life Time: 50,000h - L80 - B10 (Ta 25 °C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

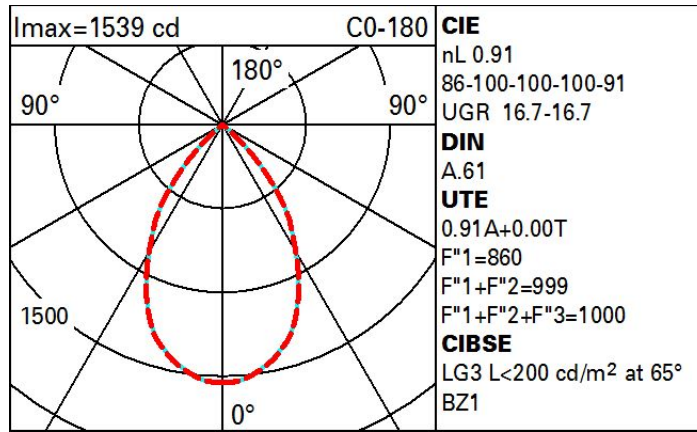
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 91
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 16
Nominal luminous [Lm]: 2000
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.8
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3



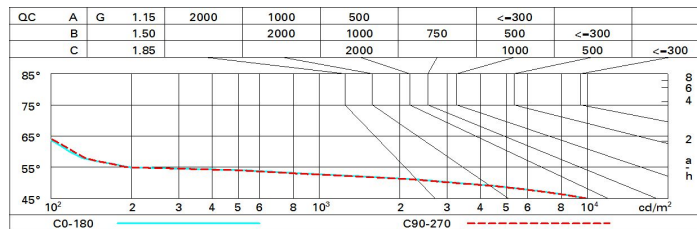
Polar



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 2000 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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	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				