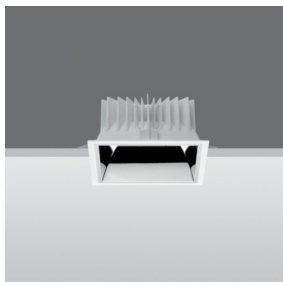


Last information update: April 2018



Square recessed luminaire - 226x226 mm H=103 mm - neutral white - electronic ballast, general light optic

Product code
MC07

Technical description
Recessed fixed square luminaire designed to use a LED lamp. Version with rim for surface-mounting. Multi-faceted 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 LED unit in a neutral white tone 4000K and electronic driver separate from the luminaire. General light distribution.

Installation
Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.

Dimension (mm)
226x226x100

Colour
White/Aluminium (39)

Weight (Kg)
2.11

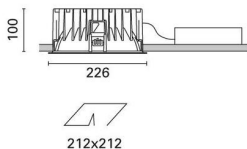
Mounting
ceiling recessed

Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



On the visible part of the product once installed

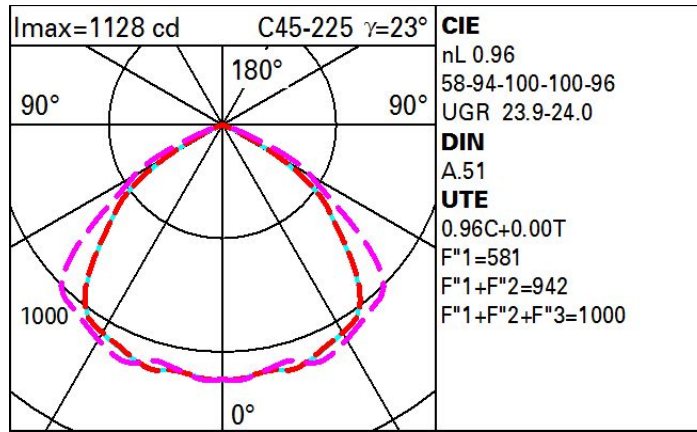


Product configuration: MC07

Product characteristics	
Total lighting output [Lm]: 2880	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 26.5	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 108.7	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1	
Light Output Ratio (L.O.R.) [%]: 96	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 3.5
Nominal power [W]: 23	Colour temperature [K]: 4000
Nominal luminous [Lm]: 3000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: /	MacAdam Step: 3

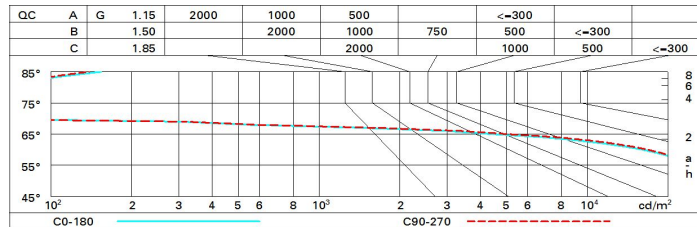
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	59	52	48	57	52	51	45	47
1.0	75	66	60	56	65	60	59	53	56
1.5	85	78	73	69	77	72	71	66	69
2.0	90	85	81	78	83	80	79	74	77
2.5	93	89	86	83	87	84	83	79	82
3.0	95	92	89	86	90	87	86	82	85
4.0	97	94	92	90	92	90	89	85	89
5.0	98	96	94	92	94	92	91	87	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:											
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					viewed				
x	y	crosswise					endwise				
2H	2H	23.8	24.8	24.1	25.1	25.3	23.9	24.8	24.2	25.1	25.4
	3H	23.7	24.6	24.1	24.9	25.2	24.3	25.1	24.6	25.4	25.7
	4H	23.7	24.4	24.0	24.7	25.1	24.3	25.1	24.6	25.4	25.7
	6H	23.6	24.3	23.9	24.6	25.0	24.2	24.9	24.6	25.2	25.6
	8H	23.5	24.2	23.9	24.6	24.9	24.2	24.9	24.5	25.2	25.5
	12H	23.5	24.2	23.9	24.5	24.9	24.1	24.8	24.5	25.1	25.5
4H	2H	24.3	25.0	24.6	25.3	25.7	23.7	24.5	24.0	24.8	25.1
	3H	24.2	24.8	24.5	25.2	25.5	24.1	24.7	24.5	25.1	25.4
	4H	24.1	24.6	24.5	25.0	25.4	24.1	24.7	24.5	25.0	25.4
	6H	24.0	24.5	24.4	24.9	25.3	24.0	24.5	24.5	24.9	25.3
	8H	23.9	24.4	24.4	24.8	25.3	24.0	24.4	24.4	24.9	25.3
	12H	23.9	24.3	24.4	24.7	25.2	23.9	24.3	24.4	24.8	25.2
8H	4H	24.0	24.4	24.4	24.8	25.3	24.0	24.4	24.4	24.8	25.3
	6H	23.9	24.2	24.3	24.7	25.2	23.9	24.3	24.4	24.7	25.2
	8H	23.8	24.1	24.3	24.6	25.1	23.8	24.2	24.3	24.6	25.1
	12H	23.8	24.0	24.3	24.5	25.1	23.8	24.1	24.3	24.6	25.1
12H	4H	23.9	24.3	24.4	24.7	25.2	23.9	24.3	24.4	24.8	25.2
	6H	23.8	24.1	24.3	24.6	25.1	23.8	24.2	24.3	24.6	25.1
	8H	23.8	24.0	24.3	24.5	25.1	23.8	24.1	24.3	24.6	25.1
Variations with the observer position at spacing:											
S =	1.0H	0.5 / -0.5		0.5 / -0.5							
	1.5H	1.5 / -4.1		1.5 / -3.8							
	2.0H	2.3 / -17.2		2.3 / -16.6							