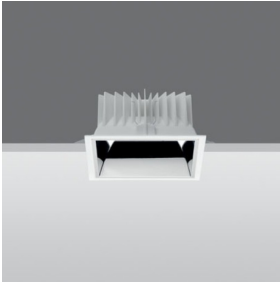


Last information update: April 2018


Square recessed luminaire - 226x226 mm H=103 mm - LED warm white - DALI ballast -general light optic
Product code

MC48

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 DALI LED unit in a warm white tone 3000K with IRC90 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)

2.15

Mounting

ceiling recessed

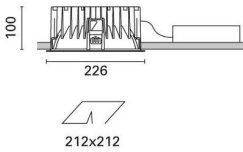
Wiring

Product complete with DALI electronic components

Complies with EN60598-1 and pertinent regulations



On the visible part of the product once installed


Product configuration: MC48
Product characteristics

Total lighting output [Lm]: 2887
 Total power [W]: 37.5
 Luminous efficacy [Lm/W]: 77
 Life Time: 50,000h - L80 - B20 (Ta 25°C)

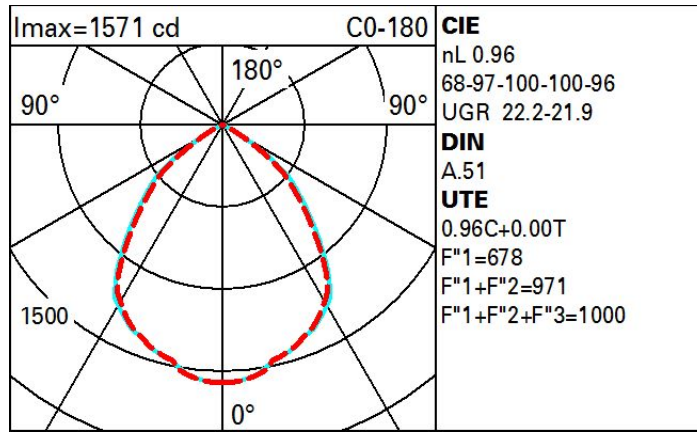
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 96
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 32
 Nominal luminous [Lm]: 3000
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 5.5
 Colour temperature [K]: 3000
 CRI: 90
 Wavelength [Nm]: /
 MacAdam Step: 3

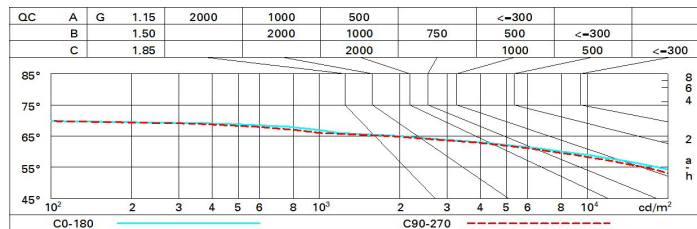
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	64	59	54	63	58	57	52	54
1.0	79	71	66	62	70	65	65	60	62
1.5	87	82	78	74	81	77	76	71	74
2.0	92	88	85	82	86	83	82	78	81
2.5	95	91	89	86	90	87	86	82	86
3.0	97	94	91	89	92	90	89	85	88
4.0	98	96	94	93	94	93	91	88	91
5.0	99	98	96	94	96	94	93	89	93

Luminance curve limit



UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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	22.4	23.3	22.7	23.5	23.8	22.1	23.0	22.4	23.2	23.5
	3H	22.3	23.1	22.6	23.3	23.6	22.3	23.1	22.6	23.4	23.7
	4H	22.2	22.9	22.5	23.2	23.5	22.3	23.0	22.6	23.3	23.6
	6H	22.1	22.8	22.5	23.1	23.4	22.2	22.9	22.6	23.2	23.5
	8H	22.1	22.7	22.5	23.1	23.4	22.2	22.8	22.5	23.1	23.5
	12H	22.1	22.7	22.4	23.0	23.4	22.1	22.7	22.5	23.1	23.4
4H	2H	22.6	23.3	22.9	23.6	23.9	21.9	22.6	22.2	22.9	23.2
	3H	22.4	23.1	22.8	23.4	23.8	22.1	22.7	22.5	23.0	23.4
	4H	22.4	22.9	22.8	23.3	23.7	22.0	22.6	22.5	23.0	23.3
	6H	22.3	22.7	22.7	23.1	23.6	22.0	22.4	22.4	22.8	23.3
	8H	22.2	22.7	22.7	23.1	23.5	21.9	22.3	22.4	22.8	23.2
	12H	22.2	22.6	22.6	23.0	23.5	21.9	22.3	22.3	22.7	23.2
8H	4H	22.2	22.7	22.7	23.1	23.5	21.9	22.3	22.4	22.8	23.2
	6H	22.1	22.5	22.6	22.9	23.4	21.8	22.2	22.3	22.6	23.1
	8H	22.1	22.4	22.6	22.9	23.4	21.8	22.1	22.3	22.5	23.1
	12H	22.0	22.3	22.6	22.8	23.3	21.7	22.0	22.2	22.5	23.0
12H	4H	22.2	22.6	22.6	23.0	23.5	21.9	22.3	22.3	22.7	23.1
	6H	22.1	22.4	22.6	22.9	23.4	21.8	22.1	22.3	22.5	23.1
	8H	22.0	22.3	22.6	22.8	23.3	21.7	22.0	22.2	22.5	23.0
Variations with the observer position at spacing:											
S =	1.0H	0.6 / -0.8		0.7 / -1.1							
	1.5H	1.7 / -8.1		1.8 / -8.2							
	2.0H	3.2 / -18.9		3.2 / -19.8							