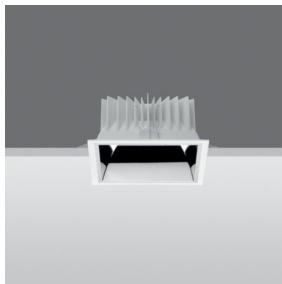


Last information update: May 2024

Product configuration: MC13

MC13: Square recessed luminaire - 226x226 mm H=103 mm - neutral white - INVERTER - general light optic

**Product code**MC13: Square recessed luminaire - 226x226 mm H=103 mm - neutral white - INVERTER - general light optic **Attention! Code no longer in production****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 2000 lm LED unit with INVERTER in a neutral white tone 4000K and 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.

Colour

White / Aluminium (39)

Mounting

ceiling recessed

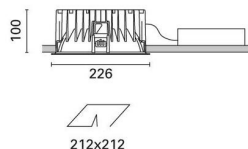
Wiring

product complete with electronic components with INVERTER

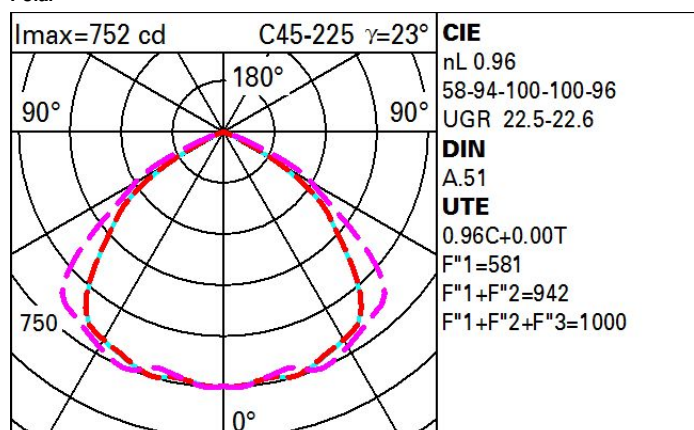
Complies with EN60598-1 and pertinent regulations



IP20

**Technical data**

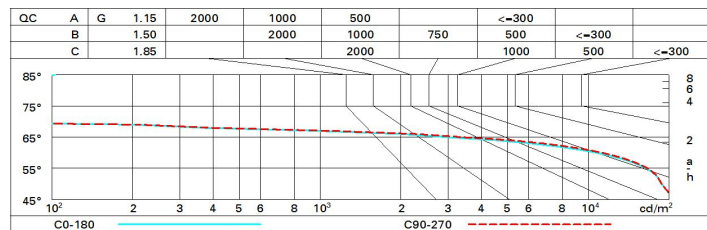
lm system:	1920	CRI:	80
W system:	18.8	Colour temperature [K]:	4000
lm source:	2000	MacAdam Step:	3
W source:	16	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	102.1	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	96	Number of optical assemblies:	1

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 2000 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											
x y											
2H	2H	22.4	23.4	22.7	23.7	23.9	22.5	23.4	22.8	23.7	23.9
	3H	22.3	23.2	22.7	23.5	23.8	22.9	23.7	23.2	24.0	24.3
	4H	22.3	23.0	22.6	23.3	23.7	22.9	23.7	23.2	24.0	24.3
	6H	22.2	22.9	22.5	23.2	23.5	22.8	23.5	23.2	23.8	24.2
	8H	22.1	22.8	22.5	23.2	23.5	22.8	23.5	23.1	23.8	24.1
	12H	22.1	22.8	22.5	23.1	23.5	22.7	23.4	23.1	23.7	24.1
4H	2H	22.8	23.6	23.2	23.9	24.2	22.3	23.1	22.6	23.4	23.7
	3H	22.8	23.4	23.1	23.8	24.1	22.7	23.3	23.1	23.7	24.0
	4H	22.7	23.2	23.1	23.6	24.0	22.7	23.3	23.1	23.6	24.0
	6H	22.6	23.1	23.0	23.5	23.9	22.6	23.1	23.0	23.5	23.9
	8H	22.5	23.0	23.0	23.4	23.9	22.6	23.0	23.0	23.4	23.9
	12H	22.5	22.9	23.0	23.3	23.8	22.5	22.9	23.0	23.4	23.8
8H	4H	22.5	23.0	23.0	23.4	23.9	22.6	23.0	23.0	23.4	23.9
	6H	22.5	22.8	22.9	23.3	23.8	22.5	22.9	23.0	23.3	23.8
	8H	22.4	22.7	22.9	23.2	23.7	22.4	22.8	22.9	23.2	23.7
	12H	22.4	22.6	22.9	23.1	23.6	22.4	22.7	22.9	23.2	23.7
12H	4H	22.5	22.9	23.0	23.3	23.8	22.5	22.9	23.0	23.4	23.8
	6H	22.4	22.7	22.9	23.2	23.7	22.4	22.8	22.9	23.2	23.7
	8H	22.4	22.6	22.9	23.1	23.6	22.4	22.7	22.9	23.2	23.7
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				