

Last information update: June 2023

**Product configuration: MC21**

MC21: Square recessed luminaire - 226x226 mm H=103 mm - neutral white - electronic ballast - general light optic with controlled luminance UGR&lt;19

**Product code**MC21: Square recessed luminaire - 226x226 mm H=103 mm - neutral white - electronic 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 LED unit in a neutral white tone 4000K and electronic driver separate from the luminaire. Light distribution UGR<19 with controlled luminance.

**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)**

2.11

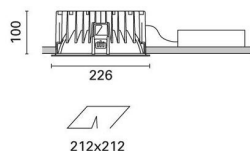
**Mounting**

ceiling recessed

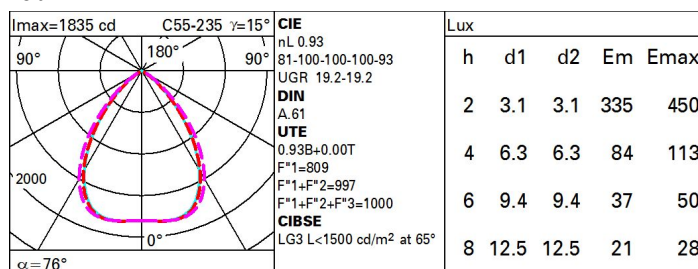
**Wiring**

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

**Technical data**

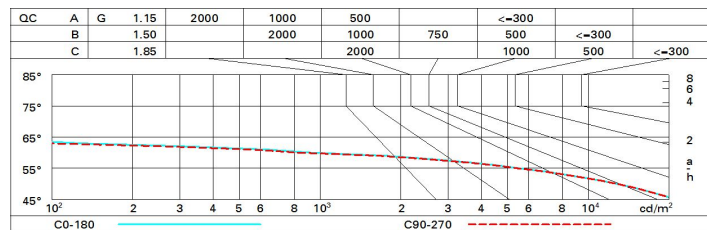
lm system:	2789	Colour temperature [K]:	4000
W system:	26.5	MacAdam Step:	3
lm source:	3000	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	23	Ballast losses [W]:	3.5
Luminous efficiency (lm/W, real value):	105.2	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	93	Number of optical assemblies:	1
CRI:	80		

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	69	65	61	68	64	64	60	64
1.0	81	75	71	68	74	70	70	66	71
1.5	88	83	80	77	82	79	78	75	80
2.0	92	88	86	84	87	85	84	80	86
2.5	94	91	89	87	90	88	87	84	90
3.0	95	93	91	90	92	90	89	86	92
4.0	97	95	94	92	93	92	91	88	95
5.0	97	96	95	94	94	93	92	89	96

# 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				
2H	2H	19.7	20.5	20.0	20.8	21.0	19.7	20.5	20.0	20.8	21.0
	3H	19.6	20.3	19.9	20.6	20.9	19.7	20.4	20.0	20.7	20.9
	4H	19.5	20.2	19.9	20.5	20.8	19.6	20.3	19.9	20.6	20.9
	6H	19.4	20.0	19.8	20.4	20.7	19.5	20.1	19.9	20.4	20.8
	8H	19.4	20.0	19.8	20.3	20.6	19.5	20.1	19.9	20.4	20.7
	12H	19.4	19.9	19.7	20.2	20.6	19.5	20.0	19.8	20.3	20.7
4H	2H	19.6	20.2	19.9	20.5	20.9	19.5	20.2	19.9	20.5	20.8
	3H	19.4	20.0	19.8	20.3	20.7	19.5	20.0	19.8	20.3	20.7
	4H	19.3	19.8	19.8	20.2	20.6	19.4	19.8	19.8	20.2	20.6
	6H	19.3	19.7	19.7	20.1	20.5	19.3	19.7	19.7	20.1	20.5
	8H	19.2	19.6	19.7	20.0	20.5	19.2	19.6	19.7	20.0	20.5
	12H	19.2	19.5	19.6	19.9	20.4	19.2	19.5	19.6	20.0	20.4
8H	4H	19.2	19.6	19.7	20.0	20.5	19.2	19.6	19.7	20.0	20.5
	6H	19.1	19.4	19.6	19.9	20.4	19.1	19.5	19.6	19.9	20.4
	8H	19.1	19.3	19.6	19.8	20.3	19.1	19.4	19.6	19.8	20.3
	12H	19.0	19.3	19.5	19.7	20.3	19.0	19.3	19.5	19.8	20.3
12H	4H	19.2	19.5	19.6	19.9	20.4	19.2	19.5	19.6	20.0	20.4
	6H	19.1	19.3	19.6	19.8	20.3	19.1	19.4	19.6	19.8	20.3
	8H	19.0	19.3	19.5	19.7	20.3	19.0	19.3	19.5	19.8	20.3
Variations with the observer position at spacing:											
S =		1.0H					2.2 / -5.9				
		1.5H					3.5 / -25.3				
		2.0H					5.4 / -38.0				