Design iGuzzini

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Last information update: May 2024

Product configuration: MC19

MC19: Square recessed luminaire - 226x226 mm H=103 mm - LED neutral white - electronic ballast - general light optic with controlled luminance UGR<19



Product code

MC19: Square recessed luminaire - 226x226 mm H=103 mm - LED 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 2000 Im LED unit in a neutral white tone 4000K and electronic driver separate from the luminaire. Light distribution UGR<19 with controlled luminance.

Weight (Kg)

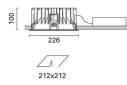
1.98

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
Mounting
coiling recessed
ceiling recessed

Wiring

Product complete with electronic components



Technical data			
Im system:	1859	CRI:	80
W system:	18.8	Colour temperature [K]:	4000
Im source:	2000	MacAdam Step:	3
W source:	16	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W,	98.9	Lamp code:	LED
real value):		Number of lamps for optical	1
Im in emergency mode:	-	assembly:	
Total light flux at or above	0	ZVEI Code:	LED
an angle of 90° [Lm]:		Number of optical	1
Light Output Ratio (L.O.R.) [%]:	93	assemblies:	

Polar

lmax=1224 cd	C55-235 γ=15°		Lux				
90°		nL 0.93 81-100-100-100-93	h	d1	d2	Em	Emax
		UGR 17.8-17.8 DIN A.61	1	1.6	1.6	893	1201
1000		UTE 0.93B+0.00T F"1=809	2	3.1	3.1	223	300
		F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE	3	4.7	4.7	99	133
α=76°	0°	LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @	965 ⁴	6.3	6.3	56	75

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

QC	A	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<-300
85° r	_		-							3 8
75°							ųų			6
65°									\square	2
55°										a h
45° 1	0 ²		2	3 4	5681	0 ³	2 3	4 5 6	8 10 ⁴	cd/m ²
	C0-180) -					C90-270 -			

UGR diagram

4H	v ol.	0.70 0.50 0.20 18.3 18.2 18.1 18.0 18.0 18.0 18.0 18.0 18.0 18.2 18.0 17.9	0.70 0.30 0.20 19.1 18.9 18.8 18.6 18.6 18.5 18.8 18.8 18.6 18.8 18.6 18.8 18.6 18.4	0.50 0.20 viewed crosswis 18.6 18.5 18.4 18.4 18.4 18.3 18.5 18.4	0.50 0.30 0.20 e 19.4 19.2 19.1 18.9 18.9 18.8 19.1 18.9	0.30 0.30 0.20 19.6 19.4 19.4 19.3 19.2 19.2 19.2 19.4 19.3	0.70 0.50 0.20 18.3 18.3 18.2 18.1 18.1 18.1 18.0 18.1	0.70 0.30 0.20 19.1 19.0 18.9 18.7 18.7 18.6 18.8	0.50 0.20 viewed endwise 18.6 18.6 18.5 18.5 18.5 18.5 18.5 18.5	19.4 19.3 19.1 19.0 19.0 18.9	0.30 0.20 19.6 19.5 19.5 19.4 19.3 19.3
walls work p Room o x 2H 4H	ol. dim y 2H 3H 4H 6H 8H 12H 2H 3H 4H	0.50 0.20 18.3 18.2 18.1 18.0 18.0 18.0 18.0 18.2 18.2	0.30 0.20 19.1 18.9 18.8 18.6 18.6 18.5 18.8 18.8 18.8	0.50 0.20 viewed crosswis 18.6 18.5 18.4 18.4 18.4 18.4 18.3 18.5	0.30 0.20 e 19.4 19.2 19.1 18.9 18.9 18.8 19.1	0.30 0.20 19.6 19.4 19.3 19.2 19.2 19.2	0.50 0.20 18.3 18.3 18.2 18.1 18.1 18.0 18.1	0.30 0.20 19.1 19.0 18.9 18.7 18.7 18.6	0.50 0.20 viewed endwise 18.6 18.5 18.5 18.5 18.5 18.5 18.4	0.30 0.20 19.4 19.3 19.1 19.0 19.0 18.9	0.30 0.20 19.6 19.5 19.5 19.4 19.3
work pi Room o x 2H 4H	dim y 2H 3H 4H 6H 8H 12H 2H 3H 4H	0.20 18.3 18.2 18.1 18.0 18.0 18.0 18.2 18.2	0.20 19.1 18.9 18.8 18.6 18.6 18.5 18.8 18.8 18.6	0.20 viewed crosswise 18.6 18.5 18.4 18.4 18.4 18.3 18.5	0.20 e 19.4 19.2 19.1 18.9 18.9 18.8 19.1	0.20 19.6 19.4 19.3 19.2 19.2 19.4	0.20 18.3 18.3 18.2 18.1 18.1 18.0 18.1	0.20 19.1 19.0 18.9 18.7 18.7 18.7	0.20 viewed endwise 18.6 18.6 18.5 18.5 18.5 18.5 18.4	0.20 19.4 19.3 19.1 19.0 19.0 18.9	0.20 19.6 19.5 19.5 19.4 19.3
Room o x 2H 4H	dim y 2H 3H 4H 6H 8H 12H 2H 3H 4H	18.2 18.1 18.0 18.0 18.0 18.2 18.2	19.1 18.9 18.8 18.6 18.6 18.5 18.8 18.8	viewed crosswist 18.6 18.5 18.4 18.4 18.4 18.3 18.5	e 19.4 19.2 19.1 18.9 18.9 18.8 19.1	19.6 19.4 19.4 19.3 19.2 19.2 19.4	18.3 18.3 18.2 18.1 18.1 18.0 18.1	19.1 19.0 18.9 18.7 18.7 18.6	viewed endwise 18.6 18.6 18.5 18.5 18.5 18.5 18.4	19.4 19.3 19.1 19.0 19.0 18.9	19.6 19.5 19.5 19.4 19.3
2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	18.2 18.1 18.0 18.0 18.0 18.2 18.2	19.1 18.9 18.8 18.6 18.6 18.5 18.8 18.8	18.6 18.5 18.4 18.4 18.4 18.3	19.4 19.2 19.1 18.9 18.9 18.8	19.4 19.4 19.3 19.2 19.2 19.2	18.3 18.2 18.1 18.1 18.0 18.1	19.1 19.0 18.9 18.7 18.7 18.6	18.6 18.6 18.5 18.5 18.5 18.4	19.4 19.3 19.1 19.0 19.0 18.9	19.5 19.5 19.4 19.3
4H	3H 4H 6H 8H 12H 2H 3H 4H	18.2 18.1 18.0 18.0 18.0 18.2 18.2	18.9 18.8 18.6 18.6 18.5 18.5 18.8 18.8	18.5 18.4 18.4 18.4 18.3 18.5	19.2 19.1 18.9 18.9 18.8	19.4 19.4 19.3 19.2 19.2 19.2	18.3 18.2 18.1 18.1 18.0 18.1	19.0 18.9 18.7 18.7 18.6	18.6 18.5 18.5 18.5 18.4	19.3 19.1 19.0 19.0 18.9	19.5 19.5 19.4 19.3
4H	4H 6H 8H 12H 2H 3H 4H	18.1 18.0 18.0 18.0 18.2 18.2	18.8 18.6 18.6 18.5 18.8 18.8	18.4 18.4 18.4 18.3 18.5	19.1 18.9 18.9 18.8	19.4 19.3 19.2 19.2 19.2	18.2 18.1 18.1 18.0 18.1	18.9 18.7 18.7 18.6	18.5 18.5 18.5 18.4	19.1 19.0 19.0 18.9	19.5 19.4 19.3
4H	6H 8H 12H 2H 3H 4H	18.0 18.0 18.0 18.2 18.2	18.6 18.6 18.5 18.8 18.8	18.4 18.4 18.3 18.5	18.9 18.9 18.8 19.1	19.3 19.2 19.2 19.4	18.1 18.1 18.0 18.1	18.7 18.7 18.6	18.5 18.5 18.4	19.0 19.0 18.9	19.4 19.3
4H	8H 12H 2H 3H 4H	18.0 18.0 18.2 18.0	18.6 18.5 18.8 18.6	18.4 18.3 18.5	18.9 18.8 19.1	19.2 19.2 19.4	18.1 18.0 18.1	18.7 18.6	18.5 18.4	19.0 18.9	19.3
4H	12H 2H 3H 4H	18.0 18.2 18.0	18.5 18.8 18.6	18.3 18.5	18.8 19.1	19.2 19.4	18.0 18.1	18.6	18.4	18.9	
4H	2H 3H 4H	18.2 18.0	18.8 18.6	18.5	19.1	19.4	18.1	1.0000000	5-25-59 -0-25-54	10,000	19.3
	3H 4H	18.0	18.6					18.8	18.5	10.1	
	4H	1000		18.4	18.9	10.3				19.1	19.4
	100	17.9	19 /			19.0	18.0	18.6	18.4	18.9	19.3
	6H		10.4	18.3	18.8	19.2	18.0	18.4	18.4	18.8	19.2
		17.9	18.3	18.3	18.7	19.1	17.9	18.3	18.3	18.7	19.1
	HS	17.8	18.2	18.3	18.6	19.0	17.8	18.2	18.3	18.6	19.1
	12H	17.8	18.1	18.2	18.5	19.0	17.8	18.1	18.2	18.6	19.0
вн	4H	17.8	18.2	18.3	18.6	19.0	17.8	18.2	18.3	18.6	19.
	6H	17.7	18.0	18.2	18.5	19.0	17.7	18.1	18.2	18.5	19.0
	HS	17.7	17.9	18.2	18.4	18.9	17.7	18.0	18.2	18.4	18.9
	12H	17.6	17.9	18.1	18.3	18.9	17.6	17.9	18.1	18.4	18.9
12H	4H	17.8	18.1	18.2	18.5	19.0	17.8	1 <mark>8</mark> .1	18.2	18.6	19.(
	6H	17.7	17.9	18.2	18.4	18.9	17.7	18.0	18.2	18.4	18.9
	8H	17.6	17.9	18.1	18.3	18.9	17.6	17.9	18.1	18.4	18.9
Variatio	ions wit	th the ot	oserver p	osition a	at spacin	g:					
S =	1.0H		2	.2 / -5	9			2	.2 / -6.	0	
	1.5H		3.	5 / -25	.3			3.	6 / -26	.5	