iGuzzini

Last information update: May 2025

Product configuration: MM99

MM99: Fixed round recessed luminaire - Ø212 mm - neutral white - wide flood optic



Product code

MM99: Fixed round recessed luminaire - Ø212 mm - neutral white - wide flood optic

Technical description

Fixed round luminative designed to use a LED lamp with C.O.B. technology. 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 LED lamp in neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° wide flood optic.

Installation

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

Colour	Weight (Kg)
White / Aluminium (39)	2.01
Mounting	
ceiling recessed	
Wiring	
Product complete with DALI components	





omplete wit	h DALI cor	nponents							
					Cor	mplies with	EN60598-1	and perti	nent regulations
IP20	IP54	On the visible part of the product once installed	C€	K a3	8	EAC		NOMES	
©									
	IP20	IP20 IP54		IP20 IP54 On the visible part of the product once installed	IP20 IP54 On the visible part of the product once installed CE	IP20 IP54 On the visible part of the product once installed CE S	IP20 IP54 On the visible part of the product once installed CE S IP54	IP20 IP54 On the visible part of the product once installed CE 🐼 IB EAC	IP20 IP54 On the visible part of the product once installed CE 🛞 IB ERI 🔯 🕬

Technical data			
Im system:	4512	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	34.8	Lamp code:	LED
Im source:	5250	Number of lamps for optical	1
W source:	31	assembly:	
Luminous efficiency (Im/W,	129.7	ZVEI Code:	LED
real value):		Number of optical	1
Im in emergency mode:	-	assemblies:	
Total light flux at or above	0	Power factor:	See installation instructions
an angle of 90° [Lm]:		Inrush current:	18 A / 250 μs
Light Output Ratio (L.O.R.)	86	Maximum number of	
[%]:		luminaires of this type per	B10A: 21 luminaires
Beam angle [°]:	56°	miniature circuit breaker:	B16A: 34 luminaires
CRI (minimum):	80		C10A: 35 luminaires
Colour temperature [K]:	4000	• • • • • • • • • • • • • • • • • • • •	C16A: 57 luminaires
MacAdam Step:	2	Minimum dimming %:	1
·		Overvoltage protection:	2kV Common mode & 1kV Differential mode
		Control:	DALI-2

Polar					
Imax=5319 cd	CIE	Lux			
90° 180° 90°	nL 0.86 95-100-100-100-86 IUGR 17.9-17.9	h	d	Em	Emax
	DIN A.61	2	2.1	990	1330
6000	UTE 0.86A+0.00T F"1=946	4	4.3	248	332
	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	6.4	110	148
α=56°	LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @	_{65°} 8	8.5	62	83

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	71	68	65	70	67	67	64	74
1.0	79	75	72	70	74	72	71	68	80
1.5	84	81	79	77	80	78	77	74	86
2.0	87	85	83	81	83	82	81	78	91
2.5	89	87	85	84	86	84	83	81	94
3.0	90	88	87	86	87	86	85	83	96
4.0	91	90	89	88	88	88	86	84	98
5.0	91	91	90	90	89	89	87	85	99

Luminance curve limit

QC	A	G	1.15	20	000		100	0		500				<-300				
	в		1.50				200	0		1000		750		500		<=300		
	С		1.85							2000				1000		500	<=30	0
85°								\geq	1			ſπ		ĪT	1	<u> </u>		8
75°				_	-				-	ĹĹ	H	H	+			<u> </u>		4
65°				-	-					\rightarrow		$\overline{}$		\square	-			2
55°					-+-			-					5		\rightarrow		~	a h
45° 1	0 ²		2	3	4	5	6	8	10 ³		2	3	4	5 6	8	104	cd/m ²	
	C0-180) -				_					C90	-270						

UGR diagram

lim y 2H 3H 4H 6H 8H 12H 2H 3H 4H 6H 8H	0.70 0.50 0.20 18.5 18.3 18.3 18.3 18.2 18.1 18.1 18.3 18.1 18.0 17.9	0.70 0.30 0.20 19.1 18.9 18.8 18.7 18.6 18.6 18.6 18.8 18.6 18.4	0.50 0.20 viewed crosswis 18.7 18.6 18.6 18.5 18.5 18.5 18.5 18.5 18.5 18.6 18.5 18.6 18.5 18.6	19.4 19.2 19.1 19.0 19.0 18.9 19.1 18.9	0.30 0.30 0.20 19.6 19.5 19.4 19.3 19.3 19.3 19.3	0.70 0.50 0.20 18.5 18.3 18.3 18.3 18.2 18.1 18.1 18.3 18.3	19.1 18.9 18.8 18.7 18.6 18.6 18.8	0.50 0.20 viewed endwise 18.7 18.6 18.5 18.5 18.5 18.5 18.5 18.5	19.4 19.2 19.1 19.0 19.0 18.9	0.30 0.30 0.20 19.0 19.5 19.4 19.3 19.3 19.3
2H 3H 4H 6H 8H 12H 2H 3H 4H 6H	0.50 0.20 18.5 18.3 18.3 18.2 18.1 18.1 18.3 18.1 18.0	0.30 0.20 19.1 18.9 18.8 18.7 18.6 18.6 18.8 18.8 18.6	0.50 0.20 viewed crosswis 18.7 18.6 18.6 18.5 18.5 18.5 18.5 18.5	0.20 e 19.4 19.2 19.1 19.0 19.0 18.9 19.1 18.9	0.20 19.6 19.5 19.4 19.3 19.3 19.3 19.3	0.50 0.20 18.5 18.3 18.3 18.2 18.1 18.1 18.1	0.30 0.20 19.1 18.9 18.8 18.7 18.6 18.6 18.8	0.50 0.20 viewed endwise 18.7 18.6 18.5 18.5 18.5 18.5 18.5	0.30 0.20 19.4 19.2 19.1 19.0 19.0 18.9 19.1	0.30 0.20 19.0 19.5 19.4 19.3 19.3 19.3
lim y 2H 3H 4H 6H 8H 12H 2H 3H 4H 6H	18.5 18.3 18.3 18.2 18.1 18.1 18.3 18.1 18.0	19.1 18.9 18.8 18.7 18.6 18.6 18.8 18.8	viewed crosswisi 18.7 18.6 18.6 18.5 18.5 18.5 18.5 18.6 18.6 18.5	e 19.4 19.2 19.1 19.0 19.0 19.0 18.9 19.1 18.9	19.6 19.5 19.4 19.3 19.3 19.3 19.3	0.20 18.5 18.3 18.3 18.2 18.1 18.1 18.1	19.1 18.9 18.8 18.7 18.6 18.6 18.8	viewed endwise 18.7 18.6 18.6 18.5 18.5 18.5 18.5	0.20 19.4 19.2 19.1 19.0 19.0 18.9 19.1	0.20 19.0 19.5 19.4 19.3 19.3 19.3
lim y 2H 3H 4H 6H 8H 12H 2H 3H 4H 6H	18.3 18.3 18.2 18.1 18.1 18.3 18.1 18.0	19.1 18.9 18.8 18.7 18.6 18.6 18.6 18.8	18.7 18.6 18.6 18.5 18.5 18.5 18.5 18.5 18.5	19.4 19.2 19.1 19.0 19.0 18.9 19.1 18.9	19.5 19.4 19.3 19.3 19.3 19.3	18.3 18.3 18.2 18.1 18.1 18.3	19.1 18.9 18.8 18.7 18.6 18.6 18.8	endwise 18.7 18.6 18.6 18.5 18.5 18.5 18.5	19.4 19.2 19.1 19.0 19.0 18.9	19.0 19.5 19.4 19.3 19.3 19.3
2H 3H 4H 6H 8H 12H 2H 3H 4H 6H	18.3 18.3 18.2 18.1 18.1 18.3 18.1 18.0	19.1 18.9 18.8 18.7 18.6 18.6 18.6 18.8	18.7 18.6 18.5 18.5 18.5 18.5 18.6 18.6	19.4 19.2 19.1 19.0 19.0 18.9 19.1 18.9	19.5 19.4 19.3 19.3 19.3 19.3	18.3 18.3 18.2 18.1 18.1 18.3	19.1 18.9 18.8 18.7 18.6 18.6 18.8	18.7 18.6 18.6 18.5 18.5 18.5 18.5	19.4 19.2 19.1 19.0 19.0 18.9	19.5 19.4 19.3 19.3 19.3
3H 4H 6H 8H 12H 2H 3H 4H 6H	18.3 18.3 18.2 18.1 18.1 18.3 18.1 18.0	18.9 18.8 18.7 18.6 18.6 18.8 18.8	18.6 18.5 18.5 18.5 18.5 18.5	19.2 19.1 19.0 19.0 18.9 19.1 18.9	19.5 19.4 19.3 19.3 19.3 19.3	18.3 18.3 18.2 18.1 18.1 18.3	18.9 18.8 18.7 18.6 18.6 18.8	18.6 18.6 18.5 18.5 18.5 18.5	19.2 19.1 19.0 19.0 18.9 19.1	19.5 19.4 19.3 19.3 19.3
4H 6H 8H 12H 2H 3H 4H 6H	18.3 18.2 18.1 18.1 18.3 18.3 18.1 18.0	18.8 18.7 18.6 18.6 18.8 18.8	18.6 18.5 18.5 18.5 18.5 18.6 18.5	19.1 19.0 19.0 18.9 19.1 18.9	19.4 19.3 19.3 19.3 19.3	18.3 18.2 18.1 18.1 18.3	18.8 18.7 18.6 18.6 18.8	18.6 18.5 18.5 18.5 18.5	19.1 19.0 19.0 18.9 19.1	19.4 19.3 19.3 19.3
6H 8H 12H 2H 3H 4H 6H	18.2 18.1 18.1 18.3 18.1 18.0	18.7 18.6 18.6 18.8 18.8	18.5 18.5 18.5 18.6 18.6 18.5	19.0 19.0 18.9 19.1 18.9	19.3 19.3 19.3 19.3	18.2 18.1 18.1 18.3	18.7 18.6 18.6 18.8	18.5 18.5 18.5 18.6	19.0 19.0 18.9 19.1	19.3 19.3 19.3 19.3
8H 12H 2H 3H 4H 6H	18.1 18.1 18.3 18.1 18.0	18.6 18.6 18.8 18.8	18.5 18.5 18.6 18.5	19.0 18.9 19.1 18.9	19.3 19.3 19.4	18.1 18.1 18.3	18.6 18.6 18.8	18.5 18.5 18.6	19.0 18.9 19.1	19.3 19.3 19.4
12H 2H 3H 4H 6H	18.1 18.3 18.1 18.0	18.6 18.8 18.6	18.5 18.6 18.5	18.9 19.1 18.9	19.3 19.4	18.1 18.3	18.6 18.8	18.5 18.6	18.9 19.1	19.3 19.4
2H 3H 4H 6H	18.3 18.1 18.0	18.8 18.6	18.6 18.5	19.1 18.9	19.4	18.3	18.8	18.6	19.1	19.4
3H 4H 6H	18.1 18.0	18.6	18.5	18.9						
4H 6H	18.0				19.3	18 1	10.0	19.5		
6H		18.4	18.4			10.1	18.6	10.0	18.9	19.3
	17.9		10.4	18.8	19.2	18.0	18.4	18.4	18.8	19.
8H		18.3	18.4	18.7	19.1	17.9	18.3	18.4	18.7	19.
	17.9	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.6	19.
12H	17.8	18.1	18.3	18.6	19.0	17.8	18.1	18.3	18.6	19.
4H	17.9	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.6	19.
6H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.5	19.
8H	17.7	18.0	18.2	18.4	18.9	17.7	18.0	18.2	18.4	18.9
12H	17.7	17.9	18.2	18.4	18.9	17.7	17.9	18.2	18.4	18.
4H	17.8	18.1	18.3	18.6	19.0	17.8	18.1	18.3	18.6	19.
6H	17.7	18.0	18.2	18.4	18.9	17.7	18.0	18.2	18.4	18.
8H	17.7	17.9	18.2	18.4	18.9	17.7	17.9	18.2	18.4	18.9
ns wi	th the ot	bserverp	osition	at spacin	ig:	0.00				
1.0H		4.	5 / -24	.2			4.	5 / -24	2	
1.5H		7.	2 / -33	8.8			7.	2 / -33	8.	
1	2H 4H 6H 8H ns wi	2H 17.7 4H 17.8 6H 17.7 8H 17.7 ns with the ol .0H .5H	2H 17.7 17.9 4H 17.8 18.1 6H 17.7 18.0 8H 17.7 17.9 ns with the observer p.0H 4, 5H 7	2H 17.7 17.9 18.2 4H 17.8 18.1 18.3 6H 17.7 18.0 18.2 8H 17.7 17.9 18.2 ns with the observer position 1 .0H 4.5 / -24 .5H 7.2 / -33	2H 17.7 17.9 18.2 18.4 4H 17.8 18.1 18.3 18.6 6H 17.7 18.0 18.2 18.4 8H 17.7 17.9 18.2 18.4 eth 0.7 17.9 18.2 18.4 eth 17.7 17.9 18.2 18.4 eth 17.7 17.9 18.2 18.4 eth 17.7 17.9 18.2 18.4 eth 16.4 5 -24.2 18.4 SH 7.2 / -33.8 18.5	2H 17.7 17.9 18.2 18.4 18.9 4H 17.8 18.1 18.3 18.6 19.0 6H 17.7 18.0 18.2 18.4 18.9 8H 17.7 18.0 18.2 18.4 18.9 est 17.7 17.9 18.2 18.4 18.9 est 18.5 / -24.2 5.4 18.9	2H 17.7 17.9 18.2 18.4 18.9 17.7 4H 17.8 18.1 18.3 18.6 19.0 17.8 6H 17.7 18.0 18.2 18.4 18.9 17.7 8H 17.7 18.0 18.2 18.4 18.9 17.7 8H 17.7 17.9 18.2 18.4 18.9 17.7 ns with the observer position at spacing: .0H 4.5 / -24.2 .5H 7.2 / -33.8	2H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 4H 17.8 18.1 18.3 18.6 19.0 17.8 18.1 6H 17.7 18.0 18.2 18.4 18.9 17.7 18.0 6H 17.7 18.0 18.2 18.4 18.9 17.7 18.0 8H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 ns with the observer position at spacing: .0H 4.5 / -24.2 4. 5.H 7.2 / -33.8 7.	2H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 4H 17.8 18.1 18.3 18.6 19.0 17.8 18.1 18.3 6H 17.7 18.0 18.2 18.4 18.9 17.7 18.0 18.2 8H 17.7 18.0 18.2 18.4 18.9 17.7 18.0 18.2 9H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 9H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 9H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 9H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 9H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 0H 4.5 / -24.2 4.5 -	2H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 18.4 4H 17.8 18.1 18.3 18.6 19.0 17.8 18.1 18.3 18.6 6H 17.7 18.0 18.2 18.4 18.9 17.7 18.0 18.2 18.4 8H 17.7 18.0 18.2 18.4 18.9 17.7 18.0 18.2 18.4 8H 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 18.4 9 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 18.4 9 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 18.4 9 17.7 17.9 18.2 18.4 18.9 17.7 17.9 18.2 18.4 9 17.7 17.9 18.2 18.4 18.9 1