iGuzzini

Last information update: May 2024

Product configuration: MS48

MS48: small body LED warm white -medium optic



23 85



ø 124

ø 114

Product code MS48: small body LED warm white -medium optic Attention! Code no longer in production Technical description Recessed luminaire made of die-cast aluminium and thermoplastic material, with 3x2.2W high with monochromatic emission LED optic with plastic lenses with medium beam (M=25°) 335°

Recessed luminaire made of die-cast aluminium and thermoplastic material, with 3x2.2W high-performing Warm White (3100K) LED with monochromatic emission. LED optic with plastic lenses with medium beam (M=25°). 335° rotation around vertical axis and 65° rotation around horizontal axis with continuous frictioning (only on horizontal axis). Anti-glare screen available as accessory. The technical characteristics of the luminaires comply with EN60598-1 norms and following amendments.

Recessed installation in false ceilings with thickness from 1 mm to 20 mm by means of special steel torsional springs and hinged brackets.

Colour White (01) | Grey (15)

Mounting

ceiling recessed

Wiring

Electronic components for LED to be ordered separately.

Notes

For compliance with the NFC 20-455 standard use an optional filter code MW58 for each optical assembly



Technical data			
Im system:	319	CRI (minimum):	80
W system:	5.5	Colour temperature [K]:	3000
Im source:	410	MacAdam Step:	3
W source:	5.5	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W,	58	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.)	78	assemblies:	
[%]:		LED current [mA]:	600
Beam angle [°]:	22°		

Polar

Imax=1731 cd	CIE	Lux			
	nL 0.78 97-99-100-100-78	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	0.8	348	433
K X H X	0.78A+0.00T F"1=969	4	1.6	87	108
1500	F"1+F"2=991 F"1+F"2+F"3=999 CIBSE	6	2.3	39	48
α=22°	LG3 L<3000 cd/m² at 65° UGR<10 I L<3000 cd/mq @	965° 8	3.1	22	27

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	61	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	74	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	79	79	79	78	77	75	97
4.0	82	82	81	80	80	80	79	77	99
5.0	83	82	82	82	81	81	79	77	100

Luminance curve limit

A DD	G	1.15	2000	1000	500		<-300		
в		1.50		2000	1000	750	500	<=300	
С		1.85			2000		1000	500	<=300
						~ / ~	/ /		
85°									8
75°									- 4
/5									
65°									2
55°		_							- ª
								\sim	h
45°		2	3 4 5	6 8 1	0 ³	2 3	4 5 6	8 10 ⁴	cd/m ²
40° 102			3 4 5				4 5 6		

UGR diagram

Riflect. ceil/cav walls work p Room v x 2H 4H	v ol.	0.70 0.50 0.20 7.4 8.1 8.3 8.5 8.5	0.70 0.30 0.20 9.5 9.6 9.5 9.4	0.50 0.50 0.20 viewed rosswise 7.8 8.5 8.7	0.50 0.30 0.20 e 9.8 9.9	0.30 0.30 0.20	0.70 0.50 0.20 7.4	0.70 0.30 0.20 9.5	0.50 0.50 0.20 viewed endwise 7.8		0.30 0.30 0.20	
work p Room x 2H	dim y 2H 3H 4H 6H 8H	0.20 7.4 8.1 8.3 8.5 8.5	0.20 0.5 9.5 9.5	0.20 viewed rosswis 7.8 8.5	0.20 e 9.8	0.20	0.20	0.20	0.20 viewed endwise	0.20	0.20	
Room x 2H	dim y 2H 3H 4H 6H 8H	7.4 8.1 8.3 8.5 8.5	9.5 9.6 9.5	viewed rosswis 7.8 8.5	e 9.8	10.1			viewed endwise		00204	
х 2Н	У 2H 3H 4H 6H 8H	8.1 8.3 8.5 8.5	9.5 9.6 9.5	7.8 7.8 8.5	9. 8		7.4		endwise		10.1	
2Н	2H 3H 4H 6H 8H	8.1 8.3 8.5 8.5	9.5 9.6 9.5	7.8 8.5	9. 8		7.4				10.1	
200	3H 4H 6H 8H	8.1 8.3 8.5 8.5	9.6 9.5	8.5			7.4	9.5	7.8	9.8	10 1	
4H	4H 6H 8H	8.3 8.5 8.5	9.5		9.9						10.	
4H	6H 8H	8.5 8.5		87		10.3	7.7	9.2	0.8	9.5	9.8	
4H	8H	8.5	9.4	2.1	9.9	10.2	7.7	9.0	8.1	9.3	9.6	
4H				8.8	9.7	10.0	7.8	8.7	8.2	9.0	9.4	
4H	12H		9.4	8.8	9.7	10.1	7.7	8.7	8.1	9.0	9.4	
4H		8.4	9.3	8.8	9.7	10.1	7.7	8.6	8.1	9.0	9.4	
	2H	7.7	9.0	8.1	9.3	9.6	8.3	9.5	8.7	9.9	10.2	
	3H	8.6	9.5	9.0	9.9	10.2	8.7	9.6	9.1	10.0	10.4	
	4H	8.8	9.8	9.2	10.1	10.5	8.8	9.8	9.2	10.1	10.5	
	6H	8.7	10.3	9.1	10.8	11.2	8.6	10.2	9.1	10.7	11.	
	HS	8.6	10.4	9.1	10.9	11.4	8.5	10.3	9.0	10.8	11.3	
	12H	8.5	10.4	9.0	10.9	11.4	8.4	10.3	8.9	10.8	11.3	
вн	4H	8.5	10.3	9.0	10.8	11.3	8.6	10.4	9.1	10.9	11.	
	6H	8.7	10.4	9.2	10.9	11.4	8.7	10.4	9.2	10.9	11.	
	8H	8.8	10.3	9.3	10.7	11.3	8.8	10.3	9.3	10.7	11.3	
	12H	8.9	9.9	9.4	10.4	11.0	8.9	9.9	9.4	10.4	11.0	
12H	4H	8.4	10.3	8.9	10.8	11.3	8.5	10.4	9.0	10.9	11.4	
	6H	8.7	10.2	9.2	10.7	11.2	8.7	10.2	9.2	10.7	11.2	
	8H	8.9	9.9	9.4	10.4	11.0	8.9	9.9	9.4	10.4	11.0	
Variatio	ions wit	th the ol	oserver p	osition	at spacin	ig:						
S =	1.0H		1	.0 / -0.	8			1	.0 / -0.	8		
	1.5H	2.2 / -1.5						2.2 / -1.5				