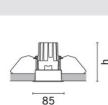
iGuzzini

Last information update: September 2023

Product configuration: MA48

MA48: medium body, Frame installation 6 LED warm white





Technical description

MA48: medium body, Frame installation 6 LED warm white Attention! Code no longer in production

Fixed square recessed luminaire designed to use a 6X1,5W LED lamp in warm white (3100°K) with medium optic. Recessed item with rim consisting of a single die-cast aluminium body. The upper part is a heat sink which helps to carry away the heat given off by the lamp. LED optics with a single lens made of thermoplastic material. Lamp set back 40 mm for greater visual comfort.

Installation

Product code

Recessed using springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 30 mm

Colour White (01) | Grey (15) Weight (Kg) 0.39

Mounting wall recessed|ceiling recessed

Wiring product complete with electronic components

Notes

the luminaire has an IP65 protection rating without the installation of any accessory.

CE **IP65**

Complies with EN60598-1 and pertinent regulations

Technical data				
Im system:	600	CRI (minimum):	80	
W system:	10	Colour temperature [K]:	3000	
Im source:	1000	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)	
W source:	8.7	Ballast losses [W]:	1.3	
Luminous efficiency (Im/W,	60	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.) [%]:	60	assemblies:		
Beam angle [°]:	26° / 24°			

Polar

Imax=2322 cd	C0-180		Lux				
90°	90°	nL 0.60 95-99-100-100-60	h	d1	d2	Em	Emax
		UGR 11.9-11.6 DIN A.61	2	0.9	0.9	457	580
	\times	UTE 0.60A+0.00T F"1=946	4	1.8	1.7	114	145
2500	\mathcal{X}	F"1+F"2=990 F"1+F"2+F"3=998 CIBSE	6	2.8	2.6	51	64
α=26°/24°	$-\chi$	LG3 L<3000 cd/m² at 65° UGR<16 L<3000 cd/mq @	965 <mark>8</mark>	3.7	3.4	29	36

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	53	50	47	46	49	47	47	45	74
1.0	55	53	50	49	52	50	50	48	79
1.5	59	56	55	53	56	54	54	52	86
2.0	61	59	58	57	58	57	56	55	91
2.5	62	61	60	59	60	59	58	56	94
3.0	63	62	61	60	61	60	59	58	96
4.0	63	63	62	62	62	61	60	59	98
5.0	64	63	63	63	62	62	61	59	99

Luminance curve limit

QC	A	G	1.15	20	00	1	000	500			<-300		
	в		1.50			2	000	1000)	750	500	<-300	
	C		1.85					2000)		1000	500	<=300
85°						-1-				ſπ	Πſ	$\overline{\Box}$	= 8
75°													4
65°											\square	\square	2 a
45° 10	0 ²		2	3	4 5	5 6	8	10 ³	2	3	4 5 6	8 104	cd/m ²
	C0-180) -				_			C90	-270 .			

UGR diagram

Rifle	ct ·										
ce il/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl.		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed					viewed		
x	У		c	rosswis	e	endwise					
2H	2H	11.7	13.5	12.0	13.8	14.1	11.6	13.4	11.9	13.7	14.1
	ЗН	11.9	13.3	12.3	13.6	14.0	11.5	13.0	11.9	13.3	13.0
	4 H	12.0	13.3	12.4	13.6	13.9	11.5	12.7	11.9	13.1	13.4
	6H	12.1	13.2	12.5	13.5	13.9	11.4	12.5	11.8	12.8	13.2
	BH	12.1	13.2	12.5	13.5	13.9	11.4	12.5	11.8	12.8	13.2
	12H	12.1	13.1	12.5	<mark>13</mark> .5	13.9	11.4	12.4	11.8	12.8	13.1
4H	2H	11.6	12.8	12.0	13.1	13.5	11.9	13.1	12.3	13.5	13.8
	ЗH	11.9	12.9	12.3	13.3	13.6	12.0	13.0	12.4	13.4	13.1
	4H	12.0	13.0	12.5	13.4	13.8	11.9	12.9	12.3	13.3	13.1
	6H	12.0	13.5	12.4	13.9	14.4	11.7	13.2	12.1	13.6	14.1
	BH	11.9	13.6	12.4	14.1	14.5	11.6	13.2	12.0	13.7	14.2
	12H	11.9	13.6	12.4	14.1	14.6	11.5	13.2	12.0	13.7	14.2
вн	4H	11.7	13.4	12.2	13.8	14.3	11.7	13.3	12.2	13.8	14.3
	6H	11.8	13.4	12.3	13.9	14.4	11.6	13.2	12.1	13.7	14.2
	BH	11.9	13.3	12.4	13.8	14.4	11.6	13.0	12.1	13.5	14.1
	12H	12.1	13.0	12.6	13.5	14.1	11.7	12.7	12.3	13.2	13.8
12H	4H	11.6	13.3	12.1	13.8	14.3	11.6	13.3	12.1	13.8	14.3
	бH	11.8	13.2	12.3	13.7	14.3	11.6	13.0	12.1	13.5	14.1
	8H	12.0	13.0	12.5	13.5	14.0	11.7	12.7	12.3	13.2	13.8
Varia	ations wi	th the ot	oserver p	osition	at spacin	g:					
S =	1.0H		2	.0 / -2	.6			2	2 / -2.	9	
	1.5H		4	.1 / -3	.4	4.3 / -3.8					