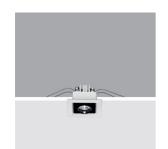
Design iGuzzini

iGuzzini

Last information update: June 2023

Product configuration: M990

M990: Small body, Frame installation 1 LED warmwhite flood



Product code

M990: Small body, Frame installation 1 LED warmwhite flood Attention! Code no longer in production

Technical description

Fixed square recessed luminaire designed to use a 1X1,5W 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.

Installation

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

Colour

White (01) | Grey (15)

Mounting

wall recessed|ceiling recessed

Wiring

Electronic components to be ordered separately









Complies with EN60598-1 and pertinent regulations

Technical data			
Im system:	78	CRI (minimum):	85
W system:	3.5	Colour temperature [K]:	3000
Im source:	106	Life Time LED 1:	50,000h - L80 - B20 (Ta 25°C)
W source:	1.6	Ballast losses [W]:	1.9
Luminous efficiency (lm/W,	22.3	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.)	74	assemblies:	
[%]:		LED current [mA]:	500
Beam angle [°]:	34°		

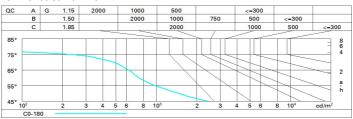
Polar

Imax=193 cd		Lux			
90° 180° 90°	nL 0.74 97-99-100-100-74	h	d	Em	Emax
	UGR <10-<10 DIN A.61	1	0.6	156	193
	UTE 0.74A+0.00T F"1=969	2	1.2	39	48
200	F"1+F"2=995 F"1+F"2+F"3=1000 CIBSE	3	1.8	17	21
α=34°	LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @	₆₅ . 4	2.4	10	12

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	57	61	59	59	56	76
1.0	69	65	63	61	65	62	62	60	81
1.5	72	70	68	66	69	67	67	64	87
2.0	75	73	71	70	72	70	70	68	92
2.5	76	75	74	73	74	73	72	70	95
3.0	77	76	75	74	75	74	73	71	97
4.0	78	77	77	76	76	76	74	73	99
5.0	78	78	77	77	77	76	75	73	100

Luminance curve limit



Corre	ected UC	R value:	s (at 113	lm bare	lamp lu	min <mark>o u</mark> s f	lux)					
Rifle	ct.:											
ceil/c	av	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Roon	n dim			viewed				viewed				
X	У	crosswise							endwise	12		
2H	2H	8.1	8.7	8.4	9.0	9.2	8.1	8.7	8.4	9.0	9.2	
	ЗН	8.1	8.7	8.5	9.0	9.2	8.1	8.6	8.4	8.9	9.2	
	4H	8.1	8.6	8.4	8.9	9.2	0.8	8.5	8.4	8.8	9.	
	бН	0.8	8.5	8.4	8.8	9.1	0.8	8.4	8.3	8.7	9.	
	HS	0.8	8.4	8.3	8.8	9.1	7.9	8.4	8.3	8.7	9.0	
	12H	7.9	8.4	8.3	8.7	9.1	7.9	8.3	8.3	8.7	9.0	
4H	2H	0.8	8.5	8.4	8.8	9.1	8.1	8.6	8.4	8.9	9.2	
	ЗН	8.1	8.5	8.4	8.8	9.2	8.1	8.5	8.4	8.8	9.2	
	4H	0.8	8.4	8.4	8.7	9.1	0.8	8.4	8.4	8.7	9.	
	6H	7.9	8.2	8.3	8.6	9.1	7.9	8.3	8.4	8.7	9.1	
	HS	7.9	8.2	8.3	8.6	9.0	7.9	8.2	8.3	8.6	9.0	
	12H	7.8	8.1	8.3	8.5	9.0	7.8	8.1	8.3	8.5	9.0	
нв	4H	7.9	8.2	8.3	8.6	9.0	7.9	8.2	8.3	8.6	9.0	
	6H	7.8	0.8	8.3	8.5	9.0	7.8	0.8	8.3	8.5	9.0	
	HS	7.7	7.9	8.2	8.4	8.9	7.7	7.9	8.2	8.4	8.9	
	12H	7.7	7.9	8.2	8.4	8.9	7.7	7.9	8.2	8.4	8.8	
12H	4H	7.8	8.1	8.3	8.5	9.0	7.8	8.1	8.3	8.5	9.0	
	бН	7.7	7.9	8.2	8.4	8.9	7.7	7.9	8.2	8.4	8.8	
	H8	7.7	7.9	8.2	8.4	8.9	7.7	7.9	8.2	8.4	8.9	
Varia	tions wi	th the ol	oserver	osition	at spacir	ng:						
S =	1.0H	4.4 / -5.4					4.4 / -5.4					
	1.5H		7.1 / -6.9					7.1 / -6.9				

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