Design iGuzzini

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Last information update: June 2023

Product configuration: M988

M988: small body, Frame installation 1 LED neutral white medium



Product code

M988: small body, Frame installation 1 LED neutral white medium Attention! Code no longer in production

Technical description

Fixed square recessed luminaire designed to use a 1X1,5W LED lamp in neutral white (4200°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):	75		
W system:	3.5	Colour temperature [K]:	4000		
lm source:	106	Life Time LED 1:	50,000h - L80 - B20 (Ta 25°C)		
W source:	1.6	Ballast losses [W]:	1.9		
Luminous efficiency (Im/W,	22.4	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°				

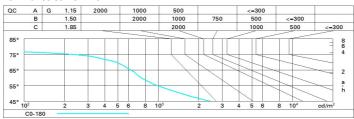
Polar

Imax=194 cd	CIE	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	157	194
	UTE 0.74A+0.00T F"1=969	2	1.2	39	49
200	F"1+F"2=995 F"1+F"2+F"3=1000 CIBSE	3	1.8	17	22
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	60	58	62	59	59	56	76
1.0	69	66	63	61	65	63	62	60	81
1.5	73	70	68	67	69	68	67	65	87
2.0	75	73	72	70	72	71	70	68	92
2.5	76	75	74	73	74	73	72	70	95
3.0	77	77	76	75	75	75	74	72	97
4.0	78	78	77	77	76	76	75	73	99
5.0	79	78	78	78	77	77	76	74	100

Luminance curve limit



Corre	ected UC	GR value:	s (at 114	Im bare	lamp lu	mino us 1	lux)				
Rifled	et.:										
ceil/cav walls work pl. Room dim		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50 0.20	0.30	0.30 0.20	0.50 0.20	0.30	0.50	0.30	0.30
					0.20			0.20	0.20	0.20	0.20
		viewed						viewed			
X	У		(crosswis	e	endwise					
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	8.0	8.5	8.4	8.8	9.1	0.8	8.4	8.3	8.7	9.
	HS	8.0	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	8.0	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
вн	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
	HS	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 p	noitieo	at spacir	ng:					
S =	1.0H	4.4 / -5.4					4.4 / -5.4				
	1.5H	7.1 / -6.9					7.1 / -6.9				