Design iGuzzini iGuzzini

Last information update: May 2025

Product configuration: MJ49.12

MJ49.12: initial module L 2394 - Low Contrast - direct emission - LED - neutral white integrated DALI dimmable control gear - 38W 4081.5lm - 4000K - Aluminium





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Technical description

direct emission modular lighting system with LED lamps. Initial module for general lighting (Low Contrast); can be used independently or in a continuous line. Minimal (frameless) version extruded aluminium double length profile; methacrylate opal screen set up for connection to end caps on both sides. Installation can be recessed, surface-mounted (ceiling/wall), or pendant. The module must be completed with the accessories kit needed for the selected type of installation. DALI dimmable electronic control gear integrated in the luminaire. Neutral white high efficiency LED.

Installation

pendant: complete with power supply unit with cable (MWG5) and suspension cables (MWG6); surface-mounted: complete with supports (MWG7); recessed: after making the preparation slot, use the special supports to install in the false ceiling (MWG8).



Weight (Kg)

Mounting

ceiling recessed|ceiling surface|ceiling pendant

Wiring

the module is fitted with 5-pin terminal blocks for pass-through wiring at the ends; the accessory power supply unit code MWG5 has a fixing plate with 5-pin terminal block for connection to the main power supply. DALI dimmable control gear integrated in the module.

Notes

initial modules may be completed with accessory end caps (MX80) and used independently in the various applications. To make continuous lines of lighting, use the intermediate modules. To correctly complete a continuous line, always use an initial module at the start or end of the structure.

TPb rated. TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations



IP20















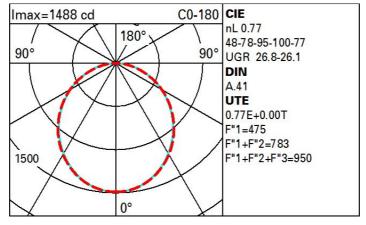




Technical data

Im system:	4082	MacAdam Step:	3		
W system:	38	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)		
Im source:	5300	Lamp code:	LED		
W source:	32	Number of lamps for optical	1		
Luminous efficiency (lm/W,	107.4	assembly:			
real value):		ZVEI Code:	LED		
Im in emergency mode:	-	Number of optical	1		
Total light flux at or above	0	assemblies:			
an angle of 90° [Lm]:		Power factor:	See installation instructions		
Light Output Ratio (L.O.R.)	77	Inrush current:	13.6 A / 304 μs		
[%]:		Overvoltage protection:	2kV Common mode & 1kV		
CRI (minimum):	80		Differential mode		
Colour temperature [K]:	4000	Control:	DALI-2		

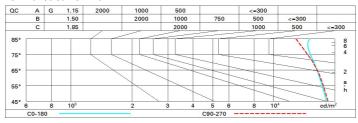
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	42	37	32	41	36	35	30	39
1.0	56	48	42	38	47	42	41	36	47
1.5	64	57	52	48	56	51	51	46	59
2.0	68	63	59	55	62	58	57	52	68
2.5	71	67	63	60	65	62	61	57	74
3.0	73	69	66	63	68	65	64	60	78
4.0	76	73	70	68	71	69	67	64	83
5.0	77	75	72	70	73	71	70	66	86

Luminance curve limit



Corre	ected UC	R values	at 530	0 Im bare	e lamp lu	eu oni mu	flux)						
Rifle	ct.:												
ceil/cav walls work pl. Room dim x y		0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20	0.70 0.50 0.20	0.70	0.50 0.50 0.20	0.50	0.30		
												0.20	0.20
								viewed croaswise					viewed endwise
		2H	2H	22.5	23.7	22.9	24.0						
			ЗН	24.2	25.2	24.5	25.5	25.8	23.1	24.2	23.5	24.5	24.8
4H	24.8		25.8	25.2	26.1	26.4	23.3	24.3	23.7	24.6	24.9		
бН	25.4		26.3	25.8	26.6	27.0	23.4	24.3	23.8	24.6	25.0		
HS	25.6		26.5	26.0	26.8	27.2	23.4	24.3	23.8	24.6	25.0		
12H	25.8		26.6	26.2	27.0	27.3	23.4	24.2	23.8	24.6	24.9		
4H	2H	23.2	24.2	23.6	24.5	24.9	24.8	25.8	25.2	26.1	26.		
	ЗН	25.0	25.9	25.4	26.2	26.6	25.5	26.4	25.9	26.7	27.		
	4H	25.8	26.6	26.2	27.0	27.4	25.8	26.6	26.2	27.0	27.		
	бН	26.5	27.2	27.0	27.6	28.0	26.1	26.7	26.5	27.1	27.6		
	HS	26.8	27.4	27.3	27.8	28.3	26.1	26.7	26.6	27.2	27.6		
	12H	27.0	27.6	27.5	28.0	28.5	26.2	26.7	26.6	27.2	27.0		
нв	4H	26.1	26.8	26.6	27.2	27.6	26.7	27.3	27.1	27.7	28.2		
	6H	27.0	27.5	27.5	28.0	28.5	27.1	27.6	27.5	28.0	28.5		
	HS	27.4	27.8	27.9	28.3	8.82	27.2	27.7	27.7	28.2	28.7		
	12H	27.7	28.1	28.2	28.6	29.1	27.4	27.8	27.9	28.2	28.8		
12H	4H	26.2	26.7	26.6	27.2	27.6	26.8	27.4	27.3	27.8	28.3		
	бН	27.1	27.5	27.6	28.0	28.5	27.3	27.7	27.8	28.2	28.7		
	HS	27.5	27.9	28.0	28.4	28.9	27.5	27.9	28.0	28.4	28.9		
Varia	tions wi	th the ot	server p	osition	at spacin	g:							
S =	1.0H	0.1 / -0.1					0.1 / -0.1						
	1.5H	0.2 / -0.3					0.2 / -0.3						
	2.0H	0.3 / -0.5					0.3 / -0.5						