

Product configuration: MJ48.12

Product code

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 single 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).

Colour

Aluminium (12)

Weight (Kq)

2.1

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

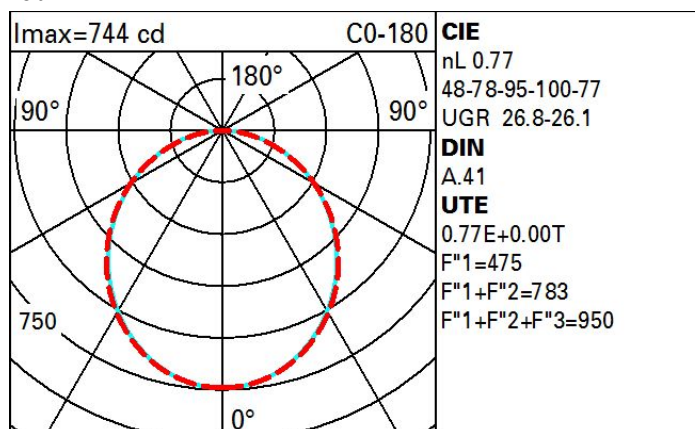
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2041	MacAdam Step:	3
W system:	19	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Im source:	2650	Lamp code:	LED
W source:	16	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	107.4	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	77	Inrush current:	13.6 A / 304 µs
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2

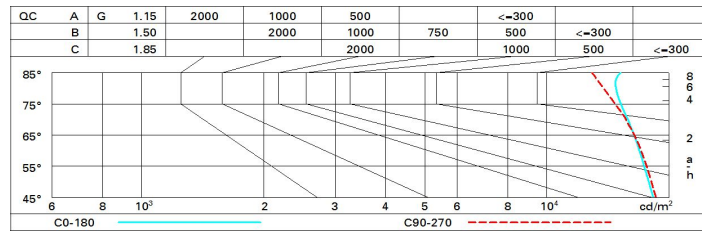
Polar



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



UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.:	ceiling/cav	viewed crosswise					viewed endwise				
		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
Room dim											
x	y										
2H	2H	22.5	23.7	22.9	24.0	24.3	22.6	23.8	22.9	24.1	24.3
	3H	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	26.5	23.3	24.3	23.7	24.6	24.9
	6H	25.4	26.3	25.8	26.6	27.0	23.4	24.3	23.8	24.6	25.0
	8H	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	27.4	23.4	24.2	23.8	24.6	25.0
4H	2H	23.3	24.2	23.6	24.6	24.9	24.8	25.8	25.2	26.1	26.5
	3H	25.1	25.9	25.5	26.3	26.6	25.5	26.4	25.9	26.7	27.1
	4H	25.8	26.6	26.3	27.0	27.4	25.8	26.6	26.2	27.0	27.4
	6H	26.5	27.2	27.0	27.6	28.0	26.1	26.7	26.5	27.1	27.6
	8H	26.8	27.4	27.3	27.9	28.3	26.1	26.8	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	27.6
8H	4H	26.2	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	27.6	28.1	28.5
	8H	27.4	27.8	27.9	28.3	28.8	27.3	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	28.3	28.8
12H	4H	26.2	26.7	26.6	27.2	27.6	26.9	27.4	27.3	27.9	28.3
	6H	27.1	27.5	27.6	28.0	28.5	27.3	27.7	27.8	28.2	28.7
	8H	27.5	27.9	28.0	28.4	28.9	27.5	27.9	28.0	28.4	28.9
Variations with the observer position at spacing:											
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				