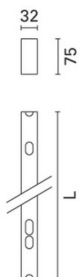


Last information update: June 2018

**initial module L 1200 - Low Contrast - direct emission - LED - neutral white integrated DALI dimmable control gear****Product code**

MJ48

**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).

**Dimension (mm)**

1197x32x75

**Colour**

Aluminium (12)

**Weight (Kg)**

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.

Complies with EN60598-1 and pertinent regulations



IP20

**Product configuration: MJ48****Product characteristics**

Total lighting output [Lm]: 2032  
Total power [W]: 21.6  
Luminous efficacy [Lm/W]: 94.1  
Life Time: 50,000h - L80 - B10 (Ta 25°C)

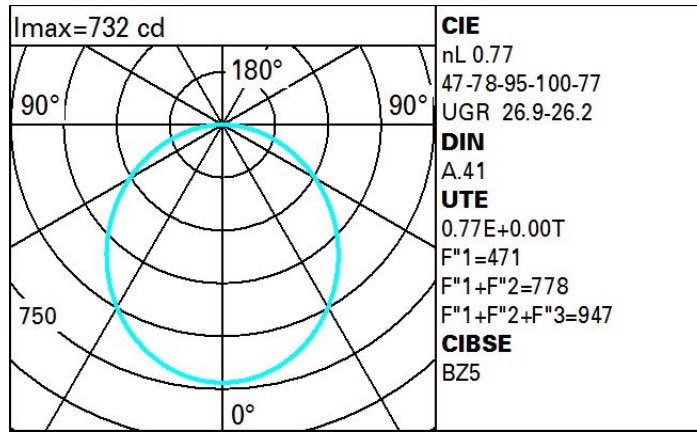
Total luminous flux at or above an angle of 90° [Lm]: 0.4  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 77  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 17  
Nominal luminous [Lm]: 2650  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.6  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 3

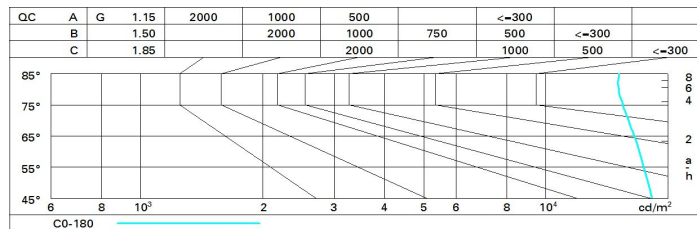
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	50	42	36	32	41	36	35	30	39
1.0	55	48	42	38	46	41	41	35	46
1.5	63	57	52	48	55	51	50	45	59
2.0	68	63	58	55	61	57	56	52	67
2.5	71	66	63	60	65	61	60	56	73
3.0	73	69	66	63	67	64	63	59	77
4.0	75	72	70	67	70	68	67	63	82
5.0	77	74	72	70	72	70	69	66	85

**Luminance curve limit**



**UGR diagram**

Photometric curve code: ME30000.L45 Corrected UGR values (at 2650 lm bare lamp luminous flux)											
Reflect.:											
ceiling/cav		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		viewed					viewed				
x	y	crosswise					endwise				
2H	2H	22.6	23.8	22.9	24.1	24.3	22.6	23.8	22.9	24.1	24.3
	3H	24.2	25.3	24.6	25.6	25.9	23.1	24.2	23.4	24.5	24.8
	4H	24.9	25.9	25.2	26.2	26.6	23.3	24.3	23.6	24.6	24.9
	6H	25.5	26.4	25.8	26.8	27.1	23.4	24.3	23.7	24.7	25.0
	8H	25.7	26.6	26.1	27.0	27.3	23.4	24.3	23.8	24.6	25.0
	12H	25.9	26.7	26.3	27.1	27.5	23.4	24.2	23.8	24.6	25.0
4H	2H	23.3	24.3	23.6	24.6	24.9	24.9	25.9	25.2	26.2	26.6
	3H	25.1	26.0	25.5	26.3	26.7	25.6	26.5	26.0	26.8	27.2
	4H	25.9	26.7	26.3	27.1	27.5	25.9	26.7	26.3	27.1	27.5
	6H	26.6	27.3	27.1	27.7	28.2	26.2	26.9	26.6	27.3	27.7
	8H	26.9	27.5	27.3	28.0	28.4	26.2	26.9	26.7	27.3	27.8
	12H	27.1	27.7	27.6	28.1	28.6	26.3	26.9	26.7	27.3	27.8
8H	4H	26.2	26.9	26.7	27.3	27.8	26.9	27.5	27.3	28.0	28.4
	6H	27.1	27.7	27.6	28.1	28.6	27.3	27.9	27.8	28.3	28.8
	8H	27.5	28.0	28.0	28.4	28.9	27.5	28.0	28.0	28.4	28.9
	12H	27.8	28.2	28.3	28.7	29.2	27.6	28.0	28.1	28.5	29.0
12H	4H	26.3	26.9	26.7	27.3	27.8	27.1	27.7	27.6	28.1	28.6
	6H	27.2	27.7	27.7	28.1	28.6	27.6	28.1	28.1	28.5	29.0
	8H	27.6	28.0	28.1	28.5	29.0	27.8	28.2	28.3	28.7	29.2
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				