

Last information update: May 2018

**1196 X 296 mm - warm white LED - DALI control gear - general light optic opaline screen****Product code**

MT21

Technical description

Direct emission recessed or ceiling-mounted luminaire (with accessories ordered separately) designed to use warm white 3,000K high colour rendering LEDs. The optical assembly consists of a white extruded frame, a satin methacrylate diffuser screen for general light emission and a sheet metal rear closing base. The LEDs are arranged inside the perimeter and the driver is housed in the upper part of the product.

Installation

Recessed mounted in plasterboard suspended ceilings (with accessory frame), in suspended ceilings with frame; can be ceiling-mounted with a kit to be ordered separately as an accessory

Dimension (mm)

1196x296x14

Colour

White (01)

Weight (Kg)

5.8

Mounting

ceiling recessed|wall surface|ceiling surface

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



IP20



IP43

On the visible part of the product once installed

**Product configuration: MT21****Product characteristics**

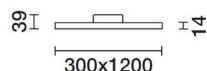
Total lighting output [Lm]: 3412.5
Total power [W]: 30.4
Luminous efficacy [Lm/W]: 112.3
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0.3
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

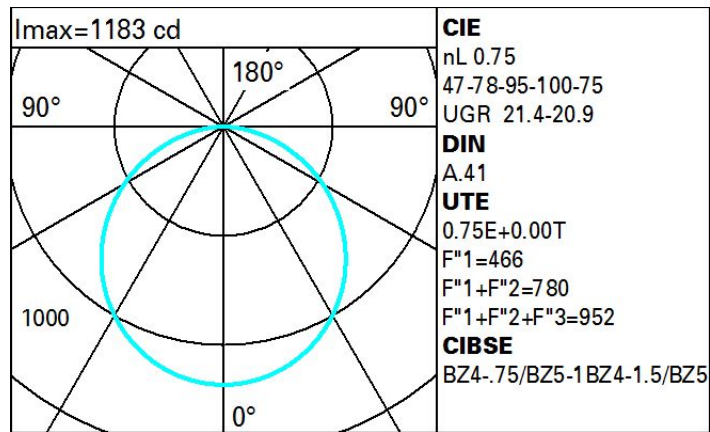
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 26
Nominal luminous [Lm]: 4550
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.4
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3



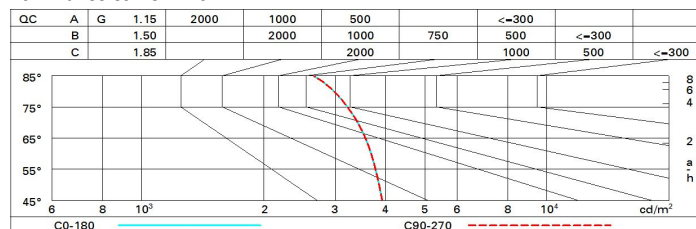
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	41	35	31	40	35	34	29	39
1.0	54	46	41	37	45	40	40	34	46
1.5	62	56	51	47	54	50	49	44	59
2.0	66	61	57	54	60	56	55	51	68
2.5	69	65	61	58	63	60	59	55	73
3.0	71	68	64	62	66	63	62	58	77
4.0	74	71	68	66	69	67	66	62	83
5.0	75	73	70	68	71	69	68	64	86

Luminance curve limit



UGR diagram

Corrected UGR values (at 4550 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	17.3	18.5	17.6	18.8	19.1	17.3	18.5	17.6	18.8	19.1	19.1
	3H	18.9	20.0	19.3	20.3	20.6	17.8	18.9	18.2	19.2	19.5	19.5
	4H	19.6	20.6	19.9	20.9	21.2	18.0	19.0	18.4	19.3	19.7	19.7
	6H	20.1	21.0	20.5	21.4	21.7	18.1	19.0	18.5	19.4	19.7	19.7
	8H	20.3	21.2	20.7	21.5	21.9	18.1	19.0	18.5	19.4	19.7	19.7
	12H	20.4	21.3	20.8	21.6	22.0	18.1	19.0	18.5	19.3	19.7	19.7
4H	2H	18.0	19.0	18.4	19.3	19.7	19.6	20.6	19.9	20.9	21.2	21.2
	3H	19.8	20.7	20.2	21.0	21.4	20.3	21.1	20.7	21.5	21.9	21.9
	4H	20.6	21.4	21.0	21.7	22.1	20.6	21.4	21.0	21.7	22.1	22.1
	6H	21.2	21.9	21.7	22.3	22.7	20.8	21.5	21.3	21.9	22.3	22.3
	8H	21.4	22.1	21.9	22.5	22.9	20.9	21.5	21.3	21.9	22.4	22.4
	12H	21.6	22.2	22.1	22.6	23.1	20.9	21.5	21.4	21.9	22.4	22.4
8H	4H	20.9	21.5	21.3	21.9	22.4	21.4	22.1	21.9	22.5	22.9	22.9
	6H	21.7	22.2	22.2	22.6	23.1	21.8	22.3	22.3	22.8	23.3	23.3
	8H	22.0	22.4	22.5	22.9	23.4	22.0	22.4	22.5	22.9	23.4	23.4
	12H	22.2	22.6	22.7	23.1	23.6	22.1	22.5	22.6	23.0	23.5	23.5
12H	4H	20.9	21.5	21.4	21.9	22.4	21.6	22.2	22.1	22.6	23.1	23.1
	6H	21.7	22.2	22.2	22.7	23.2	22.0	22.5	22.5	22.9	23.5	23.5
	8H	22.1	22.5	22.6	23.0	23.5	22.2	22.6	22.7	23.1	23.6	23.6
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							