iPlan Easy

Design iGuzzini	iGuzzini

Last information update: May 2018

596 X 596 mm - warm white LED - DALI control gear - general light optic opaline screen
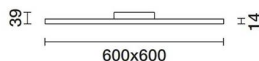
Product code
MT13

Technical description
Direct emission recessed or ceiling-mounted luminaire (with accessories ordered separetely) 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 in plasterboard false ceilings (using accessory frame), in false ceilings with frame, in modular false ceilings (even 625 x 625 mm using accessory adapter); possibility of ceiling-mounting using kit to be ordered separately as an accessory

Dimension (mm)
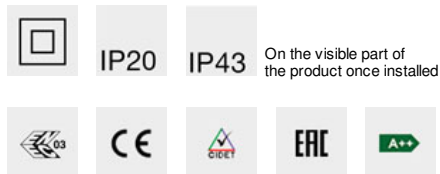596x596x14

Colour
White (01)

Weight (Kg)
6

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: MT13

Product characteristics
Total lighting output [Lm]: 3439.6
Total power [W]: 30.4
Luminous efficacy [Lm/W]: 113.1
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 80
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 26
Nominal luminous [Lm]: 4300
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

Imax=1210 cd

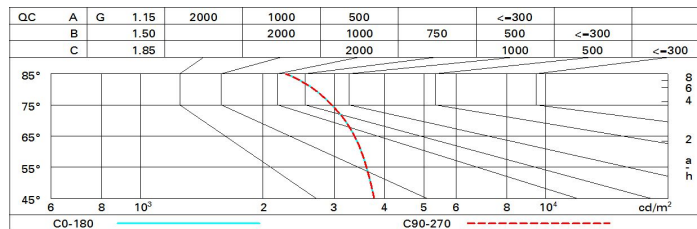|	
180°	**CIE**
90° ... 90°	nL 0.80
	47-79-96-100-80
	UGR 21.1-20.6
	DIN
	A.41
	UTE
	0.80E+0.00T
	F"1=471
1000	F"1+F"2=786
	F"1+F"2+F"3=955
	CIBSE
0°	BZ5
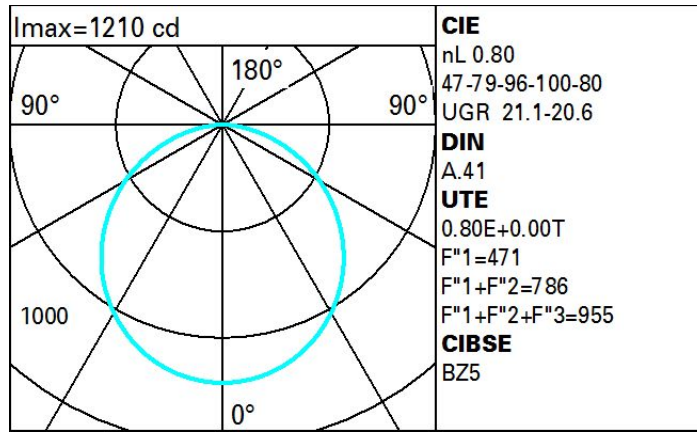
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	52	44	38	33	43	37	37	31	39
1.0	58	50	44	39	48	43	43	37	46
1.5	66	59	54	50	58	53	53	47	59
2.0	71	66	61	58	64	60	59	54	68
2.5	74	69	66	63	68	65	63	59	74
3.0	76	72	69	66	70	68	66	62	78
4.0	79	75	73	70	74	72	70	66	83
5.0	80	78	75	73	76	74	72	69	86

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ——————   C90-270 - - - - - - - -

UGR diagram

Corrected UGR values (at 4300 lm bare lamp luminous flux)

Riflect.: ceil/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	17.2	18.4	17.5	18.6	18.9	17.2	18.4	17.5	18.6	18.9
	3H	18.7	19.8	19.1	20.1	20.4	17.7	18.8	18.0	19.1	19.4
	4H	19.3	20.4	19.7	20.7	21.0	17.8	18.9	18.2	19.2	19.5
	6H	19.8	20.8	20.2	21.1	21.4	17.9	18.9	18.3	19.2	19.6
	8H	20.0	20.9	20.3	21.2	21.6	17.9	18.9	18.3	19.2	19.6
	12H	20.1	20.9	20.5	21.3	21.7	17.9	18.8	18.3	19.2	19.5
4H	2H	17.8	18.9	18.2	19.2	19.5	19.3	20.4	19.7	20.7	21.0
	3H	19.6	20.5	20.0	20.8	21.2	20.0	20.9	20.4	21.3	21.6
	4H	20.3	21.1	20.7	21.5	21.9	20.3	21.1	20.7	21.5	21.9
	6H	20.9	21.6	21.3	22.0	22.4	20.5	21.2	21.0	21.6	22.1
	8H	21.1	21.7	21.6	22.2	22.6	20.6	21.2	21.1	21.7	22.1
	12H	21.2	21.8	21.7	22.3	22.7	20.6	21.2	21.1	21.6	22.1
8H	4H	20.6	21.2	21.1	21.7	22.1	21.1	21.7	21.6	22.2	22.6
	6H	21.3	21.9	21.8	22.3	22.8	21.5	22.0	21.9	22.4	22.9
	8H	21.6	22.1	22.1	22.5	23.0	21.6	22.1	22.1	22.5	23.0
	12H	21.8	22.2	22.3	22.7	23.2	21.7	22.1	22.2	22.6	23.1
12H	4H	20.6	21.2	21.1	21.6	22.1	21.2	21.8	21.7	22.3	22.7
	6H	21.4	21.8	21.9	22.3	22.8	21.6	22.1	22.1	22.6	23.1
	8H	21.7	22.1	22.2	22.6	23.1	21.8	22.2	22.3	22.7	23.2

Variations with the observer position at spacing:

S =				
1.0H	0.1 / -0.1		0.1 / -0.1	
1.5H	0.3 / -0.3		0.3 / -0.3	
2.0H	0.4 / -0.5		0.4 / -0.5	