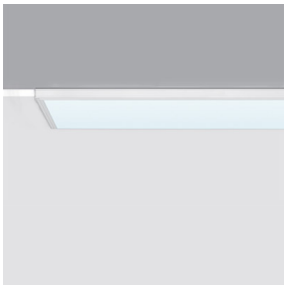
iPlan Easy

Design iGuzzini **iGuzzini**

Last information update: May 2018

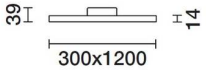


1196 X 296 mm - neutral white LED - electronic control gear - controlled luminance optic UGR<19

Product code
MT22

Technical description
Direct emission recessed or ceiling-mounted luminaire (with accessories ordered separetely) designed to use neutral white 4000K high colour rendering LEDs. The optical assembly consists of a white extruded frame, a satin methacrylate diffuser screen for controlled luminance UGR<19 emission and a sheet metal rear closing base. The LEDs are arranged inside the perimeter and the electronic 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 separetely as an accessory



Dimension (mm)
1196x296x14

Colour
White (01)

Weight (Kg)
5.8

Mounting
ceiling recessed|wall surface|ceiling surface

Wiring
product complete with electronic components

Complies with EN60598-1 and pertinent regulations

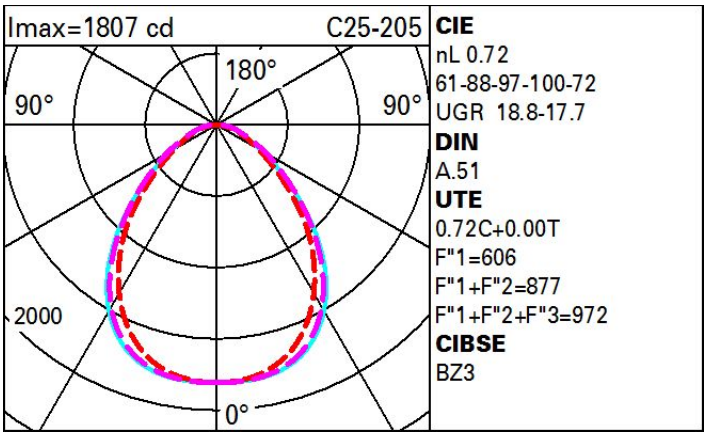
IP20 IP43 On the visible part of the product once installed

Product configuration: MT22

Product characteristics
Total lighting output [Lm]: 3743.5
Total power [W]: 39.4
Luminous efficacy [Lm/W]: 95
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.) [%]: 72
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 31
Nominal luminous [Lm]: 5200
Lamp maximum intensity [cd]: /
Beam angle [°]: /
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 8.4
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

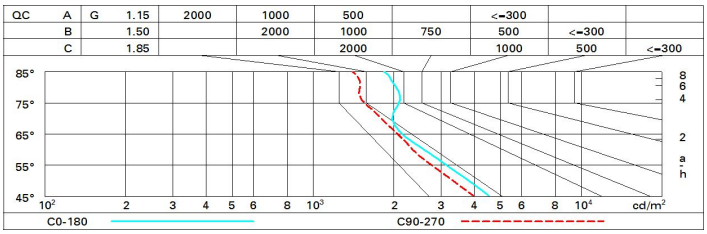
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	52	45	40	37	44	40	40	35	49
1.0	56	50	46	42	49	45	45	40	56
1.5	63	58	54	51	57	54	53	49	68
2.0	67	63	60	57	62	59	58	54	75
2.5	69	66	63	61	64	62	61	58	80
3.0	71	68	66	64	66	64	63	60	84
4.0	72	70	68	67	69	67	66	63	87
5.0	73	72	70	69	70	69	67	65	90

Luminance curve limit



UGR diagram

Corrected UGR values (at 5200 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	16.2	17.2	16.5	17.5	17.7	15.6	16.6	15.9	16.9	17.1
	3H	17.1	18.0	17.4	18.2	18.5	15.9	16.8	16.3	17.1	17.4
	4H	17.5	18.3	17.8	18.6	18.9	16.0	16.9	16.4	17.2	17.5
	6H	17.9	18.6	18.2	19.0	19.3	16.0	16.8	16.4	17.1	17.5
	8H	18.0	18.8	18.4	19.1	19.5	16.0	16.8	16.4	17.1	17.5
	12H	18.1	18.8	18.5	19.2	19.5	16.0	16.7	16.4	17.1	17.4
4H	2H	16.5	17.4	16.9	17.7	18.0	16.8	17.6	17.1	17.9	18.3
	3H	17.5	18.2	17.9	18.6	19.0	17.3	18.0	17.7	18.4	18.7
	4H	18.1	18.7	18.5	19.1	19.5	17.5	18.1	17.9	18.5	18.9
	6H	18.6	19.2	19.1	19.6	20.0	17.6	18.2	18.1	18.6	19.0
	8H	18.8	19.4	19.3	19.8	20.2	17.7	18.2	18.1	18.6	19.0
	12H	19.0	19.5	19.5	19.9	20.4	17.7	18.2	18.1	18.6	19.1
8H	4H	18.2	18.7	18.6	19.1	19.6	18.1	18.6	18.5	19.0	19.5
	6H	18.9	19.3	19.4	19.8	20.3	18.4	18.8	18.9	19.3	19.7
	8H	19.2	19.6	19.7	20.1	20.6	18.5	18.9	19.0	19.3	19.8
	12H	19.5	19.8	20.0	20.3	20.8	18.6	18.9	19.1	19.4	20.0
12H	4H	18.2	18.7	18.7	19.1	19.6	18.2	18.7	18.7	19.1	19.6
	6H	19.0	19.3	19.4	19.8	20.3	18.5	18.9	19.0	19.4	19.9
	8H	19.3	19.7	19.8	20.1	20.7	18.7	19.0	19.2	19.5	20.1

Variations with the observer position at spacing:

S =	1.0H	0.2 / -0.3	0.2 / -0.3
	1.5H	0.4 / -0.9	0.4 / -0.9
	2.0H	1.0 / -1.2	0.9 / -1.3