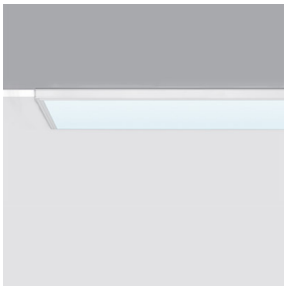
iPlan Easy

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MT23
MT23: 1196 X 296 mm - warm white LED - electronic control gear - controlled luminance optic UGR<19



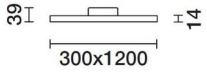
Product code
MT23: 1196 X 296 mm - warm white LED - electronic control gear - controlled luminance optic UGR<19 **Attention! Code no longer in production**

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 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

Colour
White (01)

Mounting
ceiling recessed|wall surface|ceiling surface



Wiring
product complete with electronic components

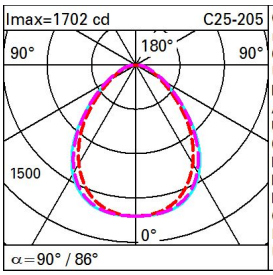
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	3528	CRI:	80
W system:	39.4	Colour temperature [K]:	3000
lm source:	4900	MacAdam Step:	3
W source:	31	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	89.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	72	Number of optical assemblies:	1

Polar



CIE
nL 0.72
61-88-97-100-72
UGR 18.6-17.5
DIN
A.51
UTE
0.72C+0.00T
F"1=606
F"1+F"2=877
F"1+F"2+F"3=972
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 I L<3000 cd/mq @65°

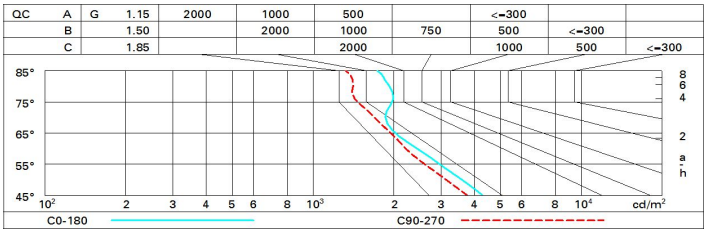
Lux

h	d1	d2	Em	Emax
1	2	1.9	1140	1702
2	4	3.7	285	426
3	6	5.6	127	189
4	8	7.5	71	106

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 4900 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 crosswise					viewed endwise		
x	y										
2H	2H	16.0	17.0	16.3	17.3	17.5	15.4	16.4	15.7	16.7	16.9
	3H	16.8	17.8	17.2	18.0	18.3	15.7	16.6	16.1	16.9	17.2
	4H	17.3	18.1	17.6	18.4	18.7	15.8	16.7	16.2	17.0	17.3
	6H	17.7	18.4	18.0	18.8	19.1	15.8	16.6	16.2	16.9	17.3
	8H	17.8	18.6	18.2	18.9	19.2	15.8	16.6	16.2	16.9	17.2
	12H	17.9	18.6	18.3	19.0	19.3	15.8	16.5	16.2	16.8	17.2
4H	2H	16.3	17.2	16.7	17.5	17.8	16.6	17.4	16.9	17.7	18.0
	3H	17.3	18.0	17.7	18.4	18.8	17.1	17.8	17.5	18.2	18.5
	4H	17.9	18.5	18.3	18.9	19.3	17.3	17.9	17.7	18.3	18.7
	6H	18.4	19.0	18.9	19.4	19.8	17.4	18.0	17.9	18.4	18.8
	8H	18.6	19.1	19.1	19.6	20.0	17.5	18.0	17.9	18.4	18.8
	12H	18.8	19.3	19.2	19.7	20.2	17.5	17.9	17.9	18.4	18.8
8H	4H	18.0	18.5	18.4	18.9	19.4	17.9	18.4	18.3	18.8	19.3
	6H	18.7	19.1	19.2	19.6	20.1	18.2	18.6	18.6	19.0	19.5
	8H	19.0	19.4	19.5	19.9	20.4	18.3	18.7	18.8	19.1	19.6
	12H	19.3	19.6	19.8	20.1	20.6	18.4	18.7	18.9	19.2	19.7
12H	4H	18.0	18.5	18.4	18.9	19.4	18.0	18.5	18.5	18.9	19.4
	6H	18.8	19.1	19.2	19.6	20.1	18.3	18.7	18.8	19.2	19.7
	8H	19.1	19.5	19.6	19.9	20.5	18.5	18.8	19.0	19.3	19.9

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