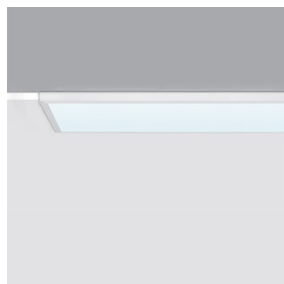## iPlan Easy

Design iGuzzini	iGuzzini

Last information update: May 2024

Product configuration: MT18
MT18: 1196 X 296 mm - neutral white LED - electronic control gear - general light optic opaline screen

Product code
MT18: 1196 X 296 mm - neutral white LED - electronic control gear - general light optic opaline screen **Attention! Code no longer in production**

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 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
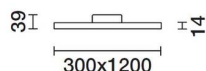
Colour
White (01)

Mounting
ceiling recessed|wall surface|ceiling surface

Wiring
product complete with electronic components
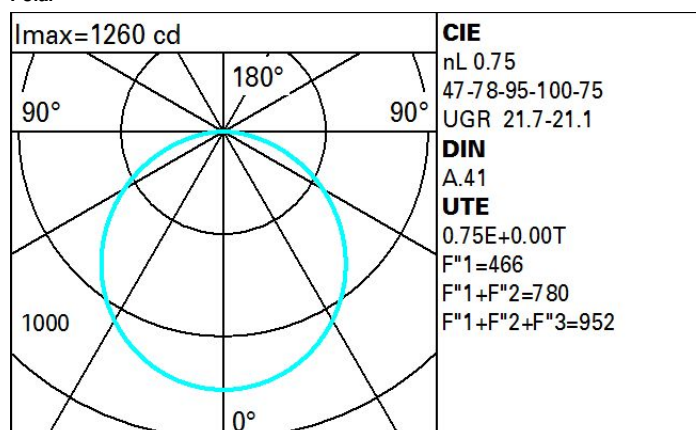
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed CE

Technical data

lm system:	3638	CRI:	80
W system:	30.9	Colour temperature [K]:	4000
lm source:	4850	MacAdam Step:	3
W source:	26	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	117.7	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.) [%]:	75	Number of optical assemblies:	1

Polar

Imax=1260 cd

CIE
nL 0.75
47-78-95-100-75
UGR 21.7-21.1
DIN
A.41
UTE
0.75E+0.00T
F"1=466
F"1+F"2=780
F"1+F"2+F"3=952

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

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
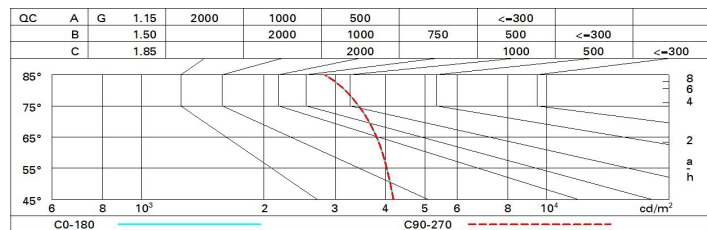
UGR diagram

Corrected UGR values (at 4850 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	17.5	18.7	17.9	19.0	19.3	17.5	18.7	17.9	19.0	19.3
	3H	19.2	20.2	19.5	20.5	20.8	18.1	19.1	18.4	19.4	19.7
	4H	19.8	20.8	20.2	21.1	21.5	18.3	19.3	18.6	19.6	19.9
	6H	20.3	21.2	20.7	21.6	21.9	18.3	19.3	18.7	19.6	20.0
	8H	20.5	21.4	20.9	21.7	22.1	18.4	19.2	18.7	19.6	20.0
	12H	20.6	21.5	21.0	21.8	22.2	18.3	19.2	18.7	19.5	19.9
4H	2H	18.3	19.3	18.6	19.6	19.9	19.8	20.8	20.2	21.1	21.5
	3H	20.1	20.9	20.5	21.3	21.6	20.5	21.4	20.9	21.7	22.1
	4H	20.8	21.6	21.2	22.0	22.4	20.8	21.6	21.2	22.0	22.4
	6H	21.4	22.1	21.9	22.5	23.0	21.1	21.7	21.5	22.1	22.6
	8H	21.7	22.3	22.1	22.7	23.2	21.1	21.7	21.6	22.2	22.6
	12H	21.8	22.4	22.3	22.8	23.3	21.1	21.7	21.6	22.1	22.6
8H	4H	21.1	21.7	21.6	22.2	22.6	21.7	22.3	22.1	22.7	23.2
	6H	21.9	22.4	22.4	22.9	23.4	22.1	22.6	22.5	23.0	23.5
	8H	22.2	22.7	22.7	23.1	23.6	22.2	22.7	22.7	23.1	23.6
	12H	22.4	22.8	23.0	23.3	23.8	22.3	22.7	22.8	23.2	23.7
12H	4H	21.1	21.7	21.6	22.1	22.6	21.8	22.4	22.3	22.8	23.3
	6H	22.0	22.4	22.5	22.9	23.4	22.2	22.7	22.7	23.2	23.7
	8H	22.3	22.7	22.8	23.2	23.7	22.4	22.8	23.0	23.3	23.8

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