iPlan Easy

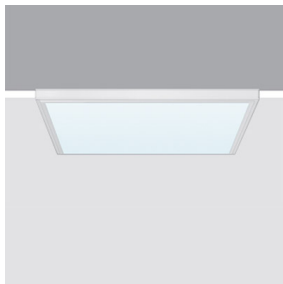**Design iGuzzini**   **iGuzzini**

Last information update: May 2024

Product configuration: MT14
MT14: 596 X 596 mm - neutral white LED - electronic control gear - controlled luminance optic UGR<19

Product code
MT14: 596 X 596 mm - neutral 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 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 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
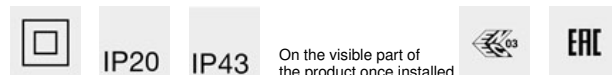
Colour
White (01)

Mounting
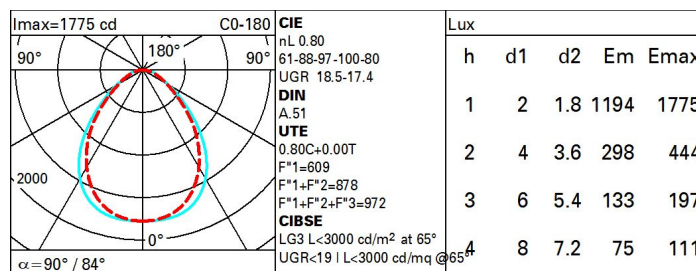ceiling recessed|wall surface|ceiling surface

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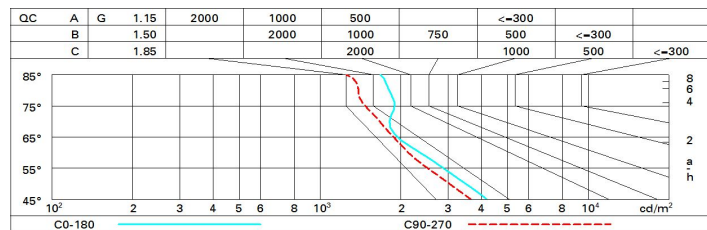
Complies with EN60598-1 and pertinent regulations

IP20   IP43   On the visible part of the product once installed

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Technical data

lm system:	3640	CRI:	80
W system:	30.9	Colour temperature [K]:	4000
lm source:	4550	MacAdam Step:	3
W source:	26	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	117.8	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.) [%]:	80	Number of optical assemblies:	1

Polar

Imax=1775 cd   C0-180

CIE
nL 0.80
61-88-97-100-80
UGR 18.5-17.4
DIN
A.51
UTE
0.80C+0.00T
F"1=609
F"1+F"2=878
F"1+F"2+F"3=972
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 l L<3000 cd/mq @65°

α=90° / 84°

Lux				
h	d1	d2	Em	Emax
1	2	1.8	1194	1775
2	4	3.6	298	444
3	6	5.4	133	197
4	8	7.2	75	111

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	50	45	41	49	45	44	39	49
1.0	63	56	51	47	55	50	50	45	56
1.5	70	65	60	57	63	60	59	54	68
2.0	74	70	66	64	68	65	64	60	76
2.5	77	73	70	68	72	69	68	64	80
3.0	78	76	73	71	74	72	71	67	84
4.0	80	78	76	74	76	75	73	70	88
5.0	82	80	78	76	78	76	75	72	90

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 4550 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	15.9	16.9	16.2	17.2	17.4	15.3	16.3	15.6	16.5	16.8
	3H	16.7	17.6	17.1	17.9	18.2	15.6	16.5	15.9	16.8	17.1
	4H	17.1	18.0	17.5	18.3	18.6	15.7	16.5	16.0	16.8	17.2
	6H	17.5	18.3	17.9	18.6	18.9	15.7	16.5	16.1	16.8	17.1
	8H	17.6	18.4	18.0	18.7	19.1	15.7	16.4	16.1	16.8	17.1
	12H	17.7	18.5	18.1	18.8	19.2	15.7	16.4	16.0	16.7	17.1
4H	2H	16.2	17.0	16.5	17.3	17.7	16.5	17.3	16.8	17.6	18.0
	3H	17.2	17.9	17.6	18.3	18.6	17.0	17.7	17.4	18.1	18.5
	4H	17.7	18.4	18.1	18.7	19.1	17.2	17.8	17.6	18.2	18.6
	6H	18.3	18.8	18.7	19.2	19.7	17.3	17.9	17.8	18.3	18.7
	8H	18.5	19.0	18.9	19.4	19.8	17.4	17.9	17.8	18.3	18.7
	12H	18.6	19.1	19.1	19.5	20.0	17.4	17.9	17.8	18.3	18.8
8H	4H	17.9	18.4	18.3	18.8	19.2	17.8	18.3	18.3	18.8	19.2
	6H	18.6	19.0	19.0	19.4	19.9	18.1	18.5	18.6	19.0	19.5
	8H	18.9	19.2	19.4	19.7	20.2	18.2	18.6	18.7	19.1	19.6
	12H	19.1	19.5	19.6	19.9	20.5	18.3	18.7	18.8	19.1	19.7
12H	4H	17.8	18.3	18.3	18.8	19.2	17.9	18.4	18.4	18.8	19.3
	6H	18.6	19.0	19.1	19.4	19.9	18.3	18.6	18.7	19.1	19.6
	8H	19.0	19.3	19.5	19.8	20.3	18.4	18.7	18.9	19.2	19.8

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 / -1.0
	2.0H	1.0 / -1.3	0.9 / -1.3