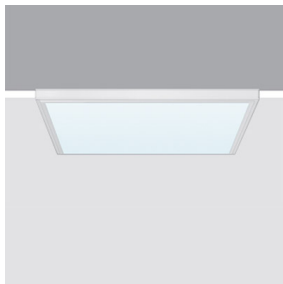


Last information update: May 2024

Product configuration: MT16

MT16: 596 X 596 mm - neutral white LED - DALI control gear - controlled luminance optic UGR<19

**Product code**MT16: 596 X 596 mm - neutral white LED - DALI 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 separately) 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 DALI components

Complies with EN60598-1 and pertinent regulations



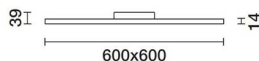
IP20

IP43

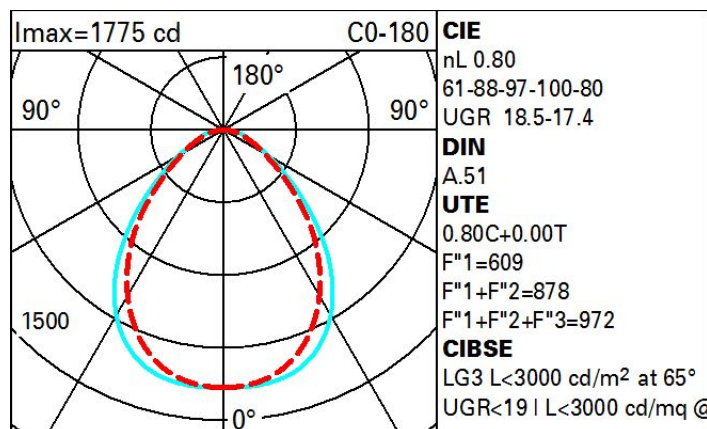
On the visible part of the product once installed



EAC

**Technical data**

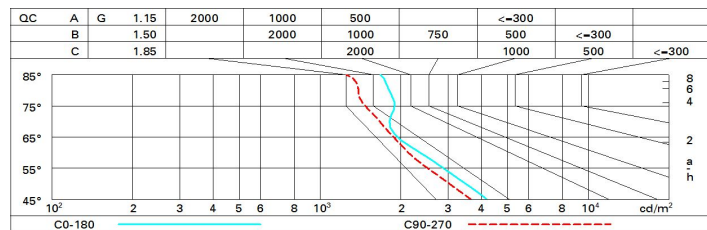
lm system:	3640	Colour temperature [K]:	4000
W system:	30.4	MacAdam Step:	3
lm source:	4550	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	26	Lamp code:	LED
Luminous efficiency (lm/W, real value):	119.7	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	80	Control:	DALI
CRI:	80		

Polar

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



UGR diagram

Corrected UGR values (at 4550 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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				