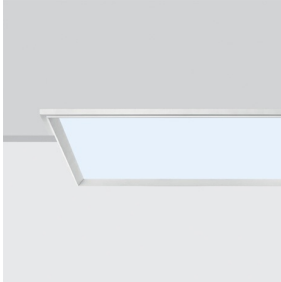


Last information update: June 2023

Product configuration: P621

P621: 1200x300-Warm White - UGR<19

**Product code**P621: 1200x300-Warm White - UGR<19 **Attention! Code no longer in production****Technical description**

Rectangular, recessed direct emission luminaire designed to use Warm White colour 3000K LEDs and be installed in a plasterboard ceiling using a frame to be ordered as an accessory. Optical assembly with a white painted, extruded aluminium, tapered frame and a set back microprismatic screen for controlled luminance with a UGR<19 L<3000 cd/m² α ≥ 65° beam, ideal for environments with video terminals. Product complete with electronic ballast.

Installation

recessed in plasterboard ceilings using a frame to be ordered as an accessory.

Colour

White (01)

Mounting

ceiling surface

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations



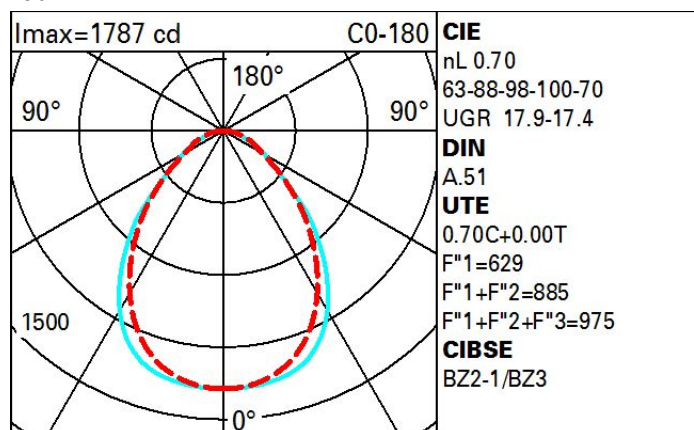
IP20

IP43

On the visible part of the product once installed

**Technical data**

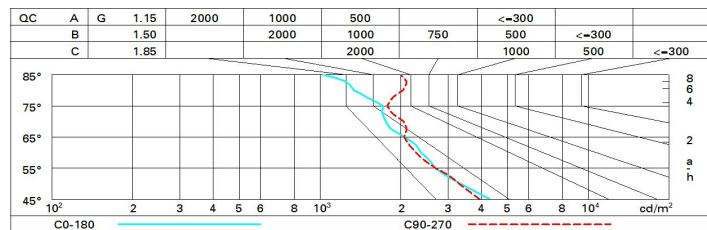
lm system:	3464	Colour temperature [K]:	3000
W system:	34	MacAdam Step:	3
lm source:	4950	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	28	Ballast losses [W]:	6
Luminous efficiency (lm/W, real value):	101.9	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	70	Number of optical assemblies:	1
CRI:	80		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	45	40	37	44	40	40	36	51
1.0	55	50	45	42	49	45	44	40	58
1.5	62	57	54	51	56	53	52	48	69
2.0	65	62	59	56	60	58	57	54	77
2.5	67	64	62	60	63	61	60	57	81
3.0	69	66	64	62	65	63	62	59	85
4.0	71	69	67	65	67	66	65	62	88
5.0	72	70	68	67	68	67	66	63	90

Luminance curve limit



UGR diagram

Corrected UGR values (at 4950 lm bare lamp luminous flux)											
Reflect.:											
ceiling/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	15.5	10.5	15.8	10.7	17.0	15.2	10.2	15.5	10.4	10.7
	3H	10.3	17.1	10.6	17.4	17.7	15.5	10.4	15.8	10.7	17.0
	4H	10.7	17.5	17.0	17.8	18.1	15.6	10.4	15.9	10.7	17.0
	6H	10.9	17.7	17.3	18.0	18.4	15.6	10.3	16.0	10.7	17.0
	8H	17.0	17.7	17.4	18.1	18.4	15.6	10.3	16.0	10.7	17.0
	12H	17.0	17.7	17.4	18.1	18.5	15.6	10.3	15.9	10.6	17.0
4H	2H	15.8	10.6	16.2	10.9	17.3	16.5	17.3	10.9	17.6	17.9
	3H	10.8	17.5	17.2	17.9	18.2	17.0	17.7	17.4	18.0	18.4
	4H	17.3	18.0	17.8	18.3	18.7	17.2	17.8	17.6	18.2	18.6
	6H	17.8	18.3	18.2	18.7	19.1	17.3	17.9	17.8	18.3	18.7
	8H	17.9	18.4	18.3	18.8	19.3	17.4	17.9	17.8	18.3	18.7
	12H	18.0	18.4	18.4	18.8	19.3	17.4	17.9	17.9	18.3	18.7
8H	4H	17.5	18.0	18.0	18.5	18.9	18.0	18.5	18.5	19.0	19.4
	6H	18.2	18.6	18.6	19.0	19.5	18.3	18.7	18.8	19.2	19.6
	8H	18.3	18.7	18.8	19.2	19.7	18.4	18.8	18.9	19.2	19.7
	12H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
12H	4H	17.5	18.0	18.0	18.4	18.9	18.2	18.7	18.7	19.1	19.6
	6H	18.2	18.5	18.7	19.0	19.5	18.5	18.9	19.0	19.4	19.9
	8H	18.4	18.7	18.9	19.2	19.7	18.7	19.0	19.2	19.5	20.0
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.4					0.2 / -0.3				
	1.5H	0.7 / -0.8					0.5 / -0.8				
	2.0H	1.4 / -1.2					1.1 / -1.0				