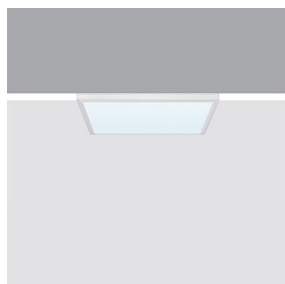


Last information update: June 2018

**300 X 300 mm - warm white LED - electronic control gear - general light optic opaline screen****Product code**

P613

Technical description

Direct emission recessed or ceiling-mounted luminaire (with an installation accessory ordered separately) designed to use warm white 3,000K high CRI LEDs. The optical assembly consists of a painted aluminium 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 in plasterboard suspended ceilings (with an accessory frame), pendant mounted using a kit to be ordered separately.

Dimension (mm)

300x300x14

Colour

White (01)

Weight (Kg)

1.52

Mounting

ceiling recessed|wall surface|ceiling surface

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations



IP20

IP40

On the visible part of the product once installed

**Product configuration: P613****Product characteristics**

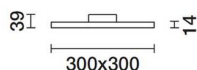
Total lighting output [Lm]: 1784.7
Total power [W]: 19.9
Luminous efficacy [Lm/W]: 89.7
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

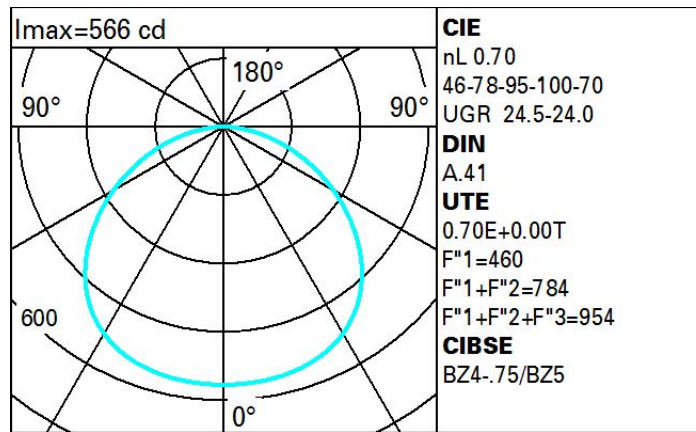
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 70
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 17
Nominal luminous [Lm]: 2550
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.9
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3



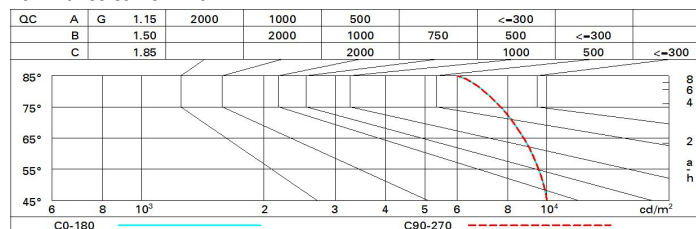
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	45	38	33	29	37	32	32	27	38
1.0	50	43	38	34	42	37	37	32	46
1.5	58	52	47	43	50	46	46	41	59
2.0	62	57	53	50	56	52	51	47	67
2.5	65	61	57	54	59	56	55	51	73
3.0	66	63	60	58	61	59	58	54	77
4.0	69	66	64	61	64	62	61	58	83
5.0	70	68	66	64	66	64	63	60	86

Luminance curve limit



UGR diagram

Corrected UGR values (at 2550 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	20.6	21.8	20.9	22.1	22.3	20.6	21.8	20.9	22.1	22.3
	3H	22.1	23.2	22.5	23.5	23.8	21.1	22.2	21.4	22.5	22.8
	4H	22.7	23.7	23.1	24.1	24.4	21.3	22.3	21.6	22.6	22.9
	6H	23.2	24.1	23.6	24.5	24.8	21.4	22.3	21.7	22.6	23.0
	8H	23.4	24.3	23.7	24.6	25.0	21.4	22.3	21.8	22.6	23.0
	12H	23.5	24.3	23.9	24.7	25.0	21.3	22.2	21.7	22.6	22.9
4H	2H	21.3	22.3	21.6	22.6	22.9	22.7	23.7	23.1	24.1	24.4
	3H	23.0	23.9	23.4	24.2	24.6	23.4	24.3	23.8	24.6	25.0
	4H	23.7	24.5	24.1	24.9	25.3	23.7	24.5	24.1	24.9	25.3
	6H	24.3	25.0	24.7	25.4	25.8	23.9	24.6	24.4	25.0	25.4
	8H	24.5	25.1	24.9	25.5	26.0	24.0	24.6	24.4	25.0	25.5
	12H	24.6	25.2	25.1	25.6	26.1	24.0	24.6	24.5	25.0	25.5
8H	4H	24.0	24.6	24.4	25.0	25.5	24.5	25.1	24.9	25.5	26.0
	6H	24.7	25.2	25.2	25.7	26.2	24.9	25.4	25.3	25.8	26.3
	8H	25.0	25.4	25.5	25.9	26.4	25.0	25.4	25.5	25.9	26.4
	12H	25.2	25.6	25.7	26.1	26.6	25.1	25.5	25.6	26.0	26.5
12H	4H	24.0	24.6	24.5	25.0	25.5	24.6	25.2	25.1	25.6	26.1
	6H	24.8	25.2	25.3	25.7	26.2	25.0	25.5	25.5	25.9	26.5
	8H	25.1	25.5	25.6	26.0	26.5	25.2	25.6	25.7	26.1	26.6
Variations with the observer position at spacing:											
S =		1.0H	0.1 / -0.1		0.1 / -0.1						
		1.5H	0.3 / -0.4		0.3 / -0.4						
		2.0H	0.4 / -0.5		0.4 / -0.5						