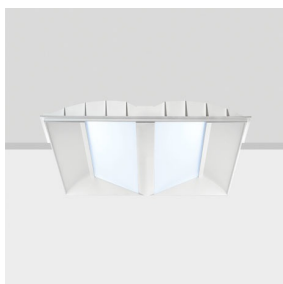


Last information update: May 2018

**625x625 - warm White - UGR<19 - DALI****Product code**

P302

Technical description

Recessed direct emission luminaire designed to use Warm White colour 3000K LEDs and be installed in 625x625 mm modular false ceilings. The optical assembly is made of a thermoplastic material for controlled luminance with a $UGR < 19$ $L < 3000$ cd/m² $\alpha \geq 65^\circ$ beam, ideal for environments with video terminals. Product complete with DALI ballast.

Installation

recessed in 625x625 mm modular false ceilings

Dimension (mm)

625x625

Colour

White (01)

Weight (Kg)

3.7

Mounting

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

**Product configuration: P302****Product characteristics**

Total lighting output [Lm]: 3648.1
Total power [W]: 35
Luminous efficacy [Lm/W]: 104.2
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.) [%]: 82
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 30
Nominal luminous [Lm]: 4450
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5
Colour temperature [K]: 3000
CRI: 80
Wavelength [nm]: /
MacAdam Step: 3

I_{max}=1933 cd
C0-180
nL 0.82
62-88-98-100-82
UGR 18.3-16.3
DIN
A.51
UTE
0.82C+0.00T
F"1=619
F"1+F"2=883
F"1+F"2+F"3=979
CIBSE
BZ3

	R	77	75	73	71	55	53	33	00	DRR
K0.8	59	52	47	43	51	46	46	41	50	
1.0	65	58	53	49	57	52	52	47	57	
1.5	72	67	62	59	65	62	61	56	69	
2.0	76	72	69	66	71	68	67	63	76	
2.5	79	75	73	70	74	71	70	67	81	
3.0	81	78	75	73	76	74	73	69	85	
4.0	83	80	78	77	79	77	76	72	88	
5.0	84	82	80	79	80	79	77	74	91	

QC

	A	G	1.15	2000	1000	500	<~300		
B			1.50		2000	1000	750	500	<~300
C			1.85			2000		1000	500

85°
75°
65°
55°
45°

λ_{90-180} λ_{90-270} cd/m^2

8
6
4
2
a
h

UGR diagram

Corrected UGR values (at 4450 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	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	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	16.4	17.4	16.7	17.7	18.0	14.1	15.1	14.4	15.4	15.6	15.6
	3H	17.3	18.2	17.6	18.5	18.8	14.5	15.4	14.8	15.7	16.0	16.0
	4H	17.5	18.4	17.9	18.7	19.0	14.7	15.5	15.0	15.8	16.2	16.2
	6H	17.7	18.5	18.1	18.8	19.2	14.7	15.5	15.1	15.8	16.2	16.2
	8H	17.7	18.5	18.1	18.8	19.2	14.7	15.5	15.1	15.8	16.2	16.2
	12H	17.7	18.5	18.1	18.8	19.2	14.7	15.4	15.1	15.8	16.1	16.1
4H	2H	16.6	17.5	17.0	17.8	18.1	15.3	16.2	15.6	16.5	16.8	16.8
	3H	17.7	18.4	18.1	18.8	19.1	15.9	16.6	16.3	17.0	17.3	17.3
	4H	18.0	18.7	18.4	19.1	19.5	16.1	16.8	16.5	17.2	17.5	17.5
	6H	18.3	18.8	18.7	19.2	19.7	16.3	16.9	16.7	17.3	17.7	17.7
	8H	18.3	18.9	18.8	19.3	19.7	16.3	16.9	16.8	17.3	17.7	17.7
	12H	18.4	18.8	18.8	19.3	19.7	16.3	16.8	16.8	17.2	17.7	17.7
8H	4H	18.1	18.6	18.5	19.0	19.5	16.7	17.2	17.1	17.6	18.1	18.1
	6H	18.4	18.9	18.9	19.3	19.8	16.9	17.4	17.4	17.8	18.3	18.3
	8H	18.5	18.9	19.0	19.4	19.9	17.0	17.4	17.5	17.9	18.4	18.4
	12H	18.6	18.9	19.1	19.4	19.9	17.1	17.4	17.6	17.9	18.4	18.4
12H	4H	18.1	18.6	18.5	19.0	19.5	16.7	17.2	17.2	17.7	18.1	18.1
	6H	18.4	18.8	18.9	19.3	19.8	17.1	17.4	17.5	17.9	18.4	18.4
	8H	18.6	18.9	19.1	19.4	19.9	17.2	17.5	17.7	18.0	18.5	18.5
Variations with the observer position at spacing:												
S =		1.0H	0.2 / -0.3		0.3 / -0.4							
		1.5H	0.6 / -0.9		0.5 / -0.9							
		2.0H	1.4 / -1.3		0.9 / -1.2							