Wide

Design iGuzzini **iGuzzini**

Last information update: May 2018

625x625 - neutral White - UGR<19 - DALI

Product code
P301

Technical description
Recessed direct emission luminaire designed to use Neutral White colour 4,000K 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 α≥ 65° 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: P301

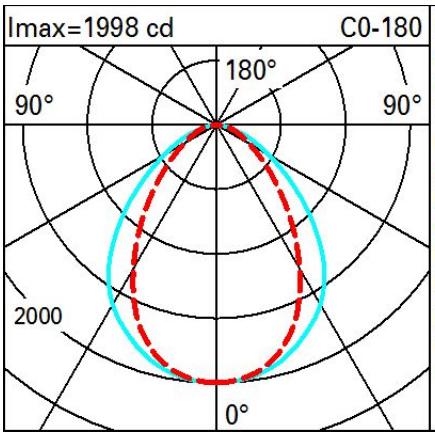
Product characteristics

Total lighting output [Lm]: 3771.1	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 35	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 107.7	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 82	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 5
Nominal power [W]: 30	Colour temperature [K]: 4000
Nominal luminous [Lm]: 4600	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: /	MacAdam Step: 3

Polar

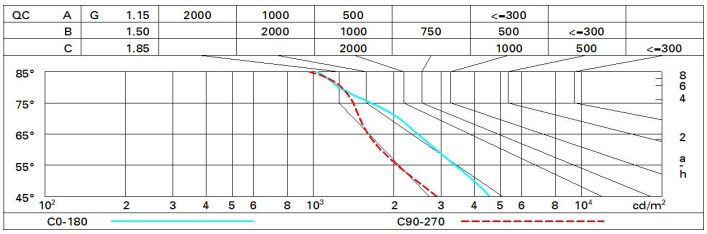


CIE
nL 0.82
62-88-98-100-82
UGR 18.4-16.5
DIN
A.51
UTE
0.82C+0.00T
F"1=619
F"1+F"2=883
F"1+F"2+F"3=979
CIBSE
BZ3

Utilisation factors

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

Luminance curve limit



UGR diagram

Corrected UGR values (at 4600 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 x	y			viewed crosswise					viewed endwise		
2H	2H	16.5	17.5	16.8	17.8	18.1	14.2	15.2	14.5	15.5	15.7
	3H	17.4	18.3	17.7	18.6	18.9	14.6	15.6	15.0	15.8	16.1
	4H	17.7	18.5	18.0	18.8	19.2	14.8	15.7	15.1	16.0	16.3
	6H	17.8	18.6	18.2	18.9	19.3	14.8	15.6	15.2	16.0	16.3
	8H	17.8	18.6	18.2	19.0	19.3	14.8	15.6	15.2	15.9	16.3
	12H	17.9	18.6	18.3	19.0	19.3	14.8	15.5	15.2	15.9	16.3
4H	2H	16.7	17.6	17.1	17.9	18.2	15.4	16.3	15.8	16.6	16.9
	3H	17.8	18.5	18.2	18.9	19.2	16.0	16.7	16.4	17.1	17.4
	4H	18.1	18.8	18.6	19.2	19.6	16.2	16.9	16.6	17.3	17.7
	6H	18.4	19.0	18.8	19.4	19.8	16.4	17.0	16.8	17.4	17.8
	8H	18.4	19.0	18.9	19.4	19.8	16.5	17.0	16.9	17.4	17.8
	12H	18.5	19.0	18.9	19.4	19.9	16.4	16.9	16.9	17.4	17.8
8H	4H	18.2	18.7	18.7	19.2	19.6	16.8	17.3	17.2	17.7	18.2
	6H	18.5	19.0	19.0	19.4	19.9	17.1	17.5	17.5	17.9	18.4
	8H	18.6	19.0	19.1	19.5	20.0	17.2	17.5	17.6	18.0	18.5
	12H	18.7	19.1	19.2	19.5	20.1	17.2	17.5	17.7	18.0	18.5
12H	4H	18.2	18.7	18.7	19.1	19.6	16.9	17.3	17.3	17.8	18.2
	6H	18.5	18.9	19.0	19.4	19.9	17.2	17.5	17.7	18.0	18.5
	8H	18.7	19.0	19.2	19.5	20.0	17.3	17.6	17.8	18.1	18.6

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