Wide

Design iGuzzini **iGuzzini**

Last information update: June 2023

Product configuration: P297
P297: 600x600 - neutral White - UGR<19

Product code
P297: 600x600 - neutral White - UGR<19 **Attention! Code no longer in production**

Technical description
Recessed direct emission luminaire designed to use Neutral White colour 4,000K LEDs and be installed in 600x600 modular false ceilings or in plasterboard ceilings using a frame to be ordered as an accessory. 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 electronic ballast.

Installation
recessed in 600x600 modular false ceilings or in plasterboard ceilings using a frame to be ordered as an accessory.

Colour
White (01)

Mounting
ceiling surface

Wiring
product complete with electronic components

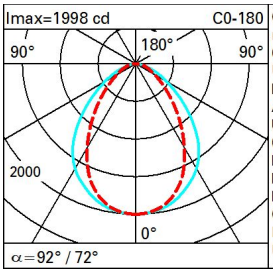
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	3771	Colour temperature [K]:	4000
W system:	34	MacAdam Step:	3
lm source:	4600	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	30	Ballast losses [W]:	4
Luminous efficiency (lm/W, real value):	110.9	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.) [%]:	82	Number of optical assemblies:	1
CRI:	80		

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
LG3 L<3000 cd/m² at 65°
UGR<19 I L<3000 cd/mq @65

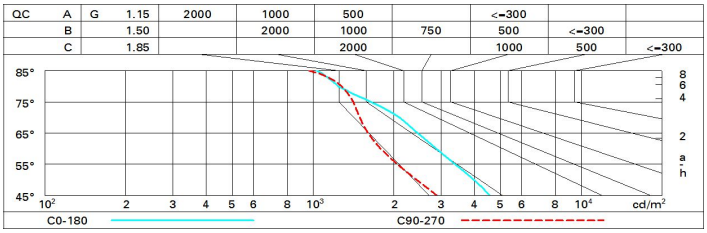
Lux

h	d1	d2	Em	Emax
2	4.1	2.9	336	499
4	8.3	5.8	84	125
6	12.4	8.7	37	55
8	16.6	11.6	21	31

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				viewed crosswise					viewed endwise		
x	y										
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