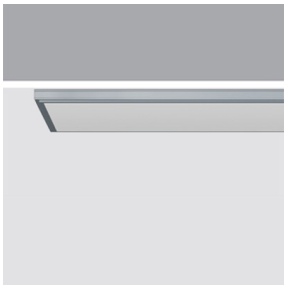
iPlan

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: N272+9689.15
N272: iplan - warm white - UGR<19 with L<3,000 cd/m2 for α≥65° - DALI
9689.15: Adapter for installation in plasterboard false ceilings - Grey



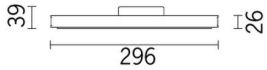
Product code
N272: iplan - warm white - UGR<19 with L<3,000 cd/m2 for α≥65° - DALI **Attention! Code no longer in production**

Technical description
Direct emission recessed or ceiling-mounted luminaire designed to use warm white 3000K high colour rendering LEDs. Anodised aluminium perimeter profile. The micro-prismatic diffuser screen, combined with an inner screen and diffusing film, allows optimum diffusion of the direct light and controlled luminance UGR<19 with L<3,000 cd/m2 for α≥65° ideal for environments where video monitors are used. The LEDs are arranged inside the perimeter and the DALI driver is housed in the product.

Installation
Recessed in plasterboard false ceilings (using accessory frame), in false ceilings with frame. Possibility of ceiling-mounting using kit to be ordered separately as an accessory

Colour	**Weight (Kg)**
Aluminium (12)	8

Mounting
ceiling pendant



Wiring
Product complete with DALI electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Accessory code
9689.15: Adapter for installation in plasterboard false ceilings - Grey

Technical description
Adapter for installation in plasterboard false ceilings

Colour
Aluminium (12)

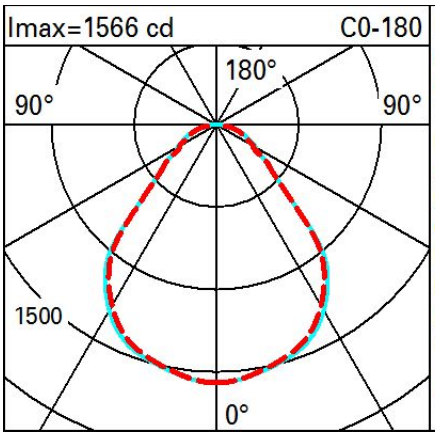
Notes
Only for 296x1196 rectangular versions

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	3115	Colour temperature [K]:	3000
W system:	30.4	MacAdam Step:	3
lm source:	4450	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	26	Lamp code:	LED
Luminous efficiency (lm/W, real value):	102.5	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	70	Control:	DALI
CRI (minimum):	80		

Polar

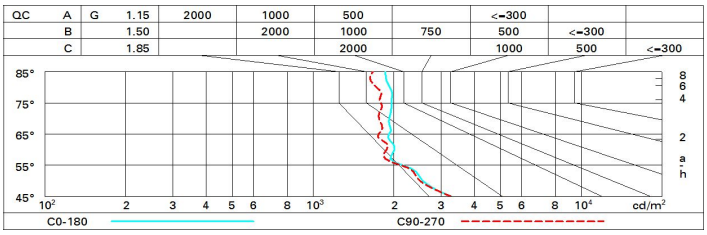


CIE
nL 0.70
65-88-97-100-70
UGR 18.1-17.0
DIN
A.51
UTE
0.70C+0.00T
F"1=645
F"1+F"2=876
F"1+F"2+F"3=966
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 | L<3000 cd/mq @

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	52	45	41	38	45	41	40	36	52
1.0	56	50	46	43	49	45	45	41	59
1.5	62	57	54	51	56	53	52	49	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	84
4.0	71	68	67	65	67	66	64	62	88
5.0	71	70	68	67	68	67	66	63	90

Luminance curve limit



UGR diagram

Corrected UGR values (at 4450 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					viewed		
x	y			crosswise					endwise		
2H	2H	14.7	15.6	15.0	15.8	16.1	14.5	15.4	14.8	15.6	15.9
	3H	15.8	16.6	16.1	16.9	17.1	14.7	15.5	15.1	15.8	16.1
	4H	16.3	17.1	16.7	17.4	17.7	14.8	15.6	15.2	15.9	16.2
	6H	16.9	17.6	17.3	17.9	18.3	14.9	15.6	15.2	15.9	16.2
	8H	17.1	17.8	17.5	18.1	18.5	14.9	15.5	15.2	15.9	16.2
	12H	17.3	17.9	17.7	18.3	18.7	14.8	15.5	15.2	15.8	16.2
4H	2H	15.0	15.7	15.3	16.0	16.4	16.0	16.8	16.4	17.1	17.4
	3H	16.3	16.9	16.7	17.3	17.6	16.5	17.1	16.8	17.5	17.8
	4H	17.0	17.6	17.4	18.0	18.4	16.7	17.3	17.1	17.7	18.0
	6H	17.8	18.3	18.2	18.7	19.1	16.9	17.5	17.4	17.9	18.3
	8H	18.1	18.5	18.5	19.0	19.4	17.0	17.5	17.5	17.9	18.4
	12H	18.3	18.7	18.8	19.2	19.6	17.1	17.5	17.5	17.9	18.4
8H	4H	17.3	17.8	17.8	18.2	18.6	17.7	18.1	18.1	18.5	19.0
	6H	18.3	18.7	18.7	19.1	19.6	18.1	18.5	18.5	18.9	19.4
	8H	18.7	19.0	19.2	19.5	20.0	18.3	18.7	18.8	19.1	19.6
	12H	19.1	19.4	19.6	19.9	20.4	18.5	18.8	19.0	19.3	19.8
12H	4H	17.3	17.8	17.8	18.2	18.7	17.9	18.3	18.3	18.7	19.2
	6H	18.4	18.7	18.9	19.2	19.7	18.4	18.7	18.8	19.2	19.7
	8H	18.9	19.2	19.4	19.7	20.2	18.6	18.9	19.2	19.4	20.0

Variations with the observer position at spacing:

S =	1.0H	0.3 / -0.3	0.3 / -0.4
	1.5H	0.8 / -0.6	0.8 / -0.6
	2.0H	1.4 / -0.7	1.5 / -0.7