

Last information update: May 2024

Product configuration: N271+9689.15

N271: iplan - neutral white - UGR<19 with L<3,000 cd/m² for $\alpha \geq 65^\circ$ - DALI

9689.15: Adapter for installation in plasterboard false ceilings - Grey

**Product code**

N271: iplan - neutral white - UGR<19 with L<3,000 cd/m² for $\alpha \geq 65^\circ$ - DALI **Attention! Code no longer in production**

Technical description

Direct emission recessed or ceiling-mounted luminaire designed to use neutral white 4000K 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 $\alpha \geq 65^\circ$ 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

Aluminium (12)

Weight (Kg)

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

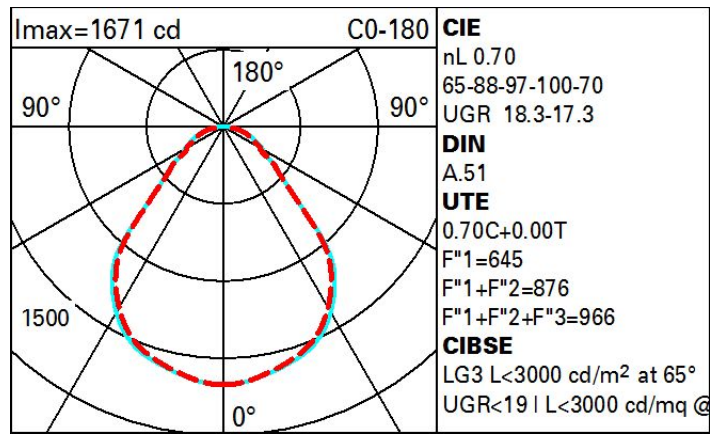
Only for 296x1196 rectangular versions

Complies with EN60598-1 and pertinent regulations

Technical data

Im system:	3325	Colour temperature [K]:	4000
W system:	30.4	MacAdam Step:	3
Im source:	4750	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	26	Lamp code:	LED
Luminous efficiency (Im/W, real value):	109.4	Number of lamps for optical assembly:	1
Im 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		

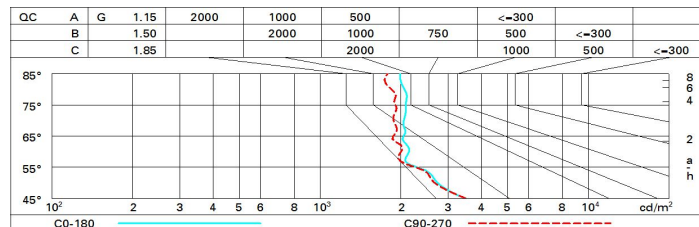
Polar



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 4750 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	14.9	15.8	15.2	16.1	16.3	14.7	15.6	15.0	15.9	16.1
	3H	16.0	16.8	16.3	17.1	17.4	15.0	15.8	15.3	16.0	16.3
	4H	16.6	17.3	16.9	17.6	17.9	15.0	15.8	15.4	16.1	16.4
	6H	17.1	17.8	17.5	18.2	18.5	15.1	15.8	15.4	16.1	16.4
	8H	17.4	18.0	17.7	18.4	18.7	15.1	15.8	15.5	16.1	16.4
	12H	17.5	18.2	17.9	18.5	18.9	15.1	15.7	15.4	16.1	16.4
4H	2H	15.2	16.0	15.6	16.3	16.6	16.2	17.0	16.6	17.3	17.6
	3H	16.5	17.2	16.9	17.5	17.9	16.7	17.3	17.1	17.7	18.0
	4H	17.2	17.8	17.6	18.2	18.6	16.9	17.5	17.3	17.9	18.3
	6H	18.0	18.5	18.4	18.9	19.3	17.2	17.7	17.6	18.1	18.5
	8H	18.3	18.8	18.7	19.2	19.6	17.3	17.7	17.7	18.2	18.6
	12H	18.5	19.0	19.0	19.4	19.9	17.3	17.7	17.8	18.2	18.6
8H	4H	17.5	18.0	18.0	18.4	18.9	17.9	18.4	18.3	18.8	19.2
	6H	18.5	18.9	19.0	19.3	19.8	18.3	18.7	18.8	19.1	19.6
	8H	18.9	19.3	19.4	19.7	20.2	18.5	18.9	19.0	19.3	19.8
	12H	19.3	19.6	19.8	20.1	20.6	18.8	19.1	19.3	19.5	20.1
12H	4H	17.6	18.0	18.0	18.4	18.9	18.1	18.5	18.6	19.0	19.4
	6H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
	8H	19.1	19.4	19.6	19.9	20.4	18.9	19.2	19.4	19.7	20.2
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						