iPlan

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: N259
N259: iplan - neutral white - UGR<19 L<3,000 cd/m2 for α≥65° - DALI

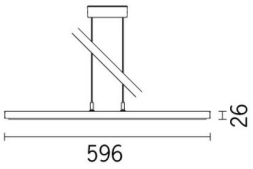
Product code
N259: iplan - neutral white - UGR<19 L<3,000 cd/m2 for α≥65° - DALI **Attention! Code no longer in production**

Technical description
Direct and indirect emission pendant luminaire designed to use neutral white 4000K high colour rendering LEDs. Extruded anodised aluminium perimeter profile. The down light LEDs are arranged inside the perimeter, while the up light LEDs are positioned in the upper section. 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 L<3,000 cd/m2 for α≥65°. Luminaire set up for simultaneous switch on of both up/down light emission. Product complete with DALI driver, L=1500 mm supporting cables and special power supply base.

Installation
Pendant. System complete with power supply base and L= 1500 mm cables

Colour
Grey (15)

Weight (Kg)
10



Mounting
ceiling pendant

Wiring
Product complete with DALI electronic components

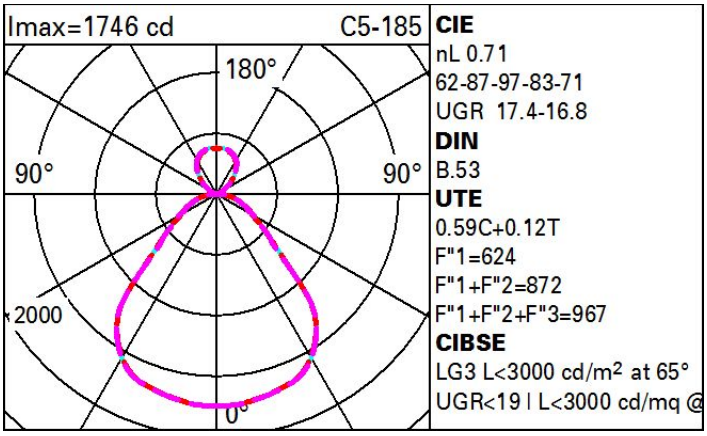
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	4651	Colour temperature [K]:	4000
W system:	41.3	MacAdam Step:	3
lm source:	6550	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	37	Lamp code:	LED
Luminous efficiency (lm/W, real value):	112.6	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]:	800	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	71	Control:	DALI
CRI (minimum):	80		

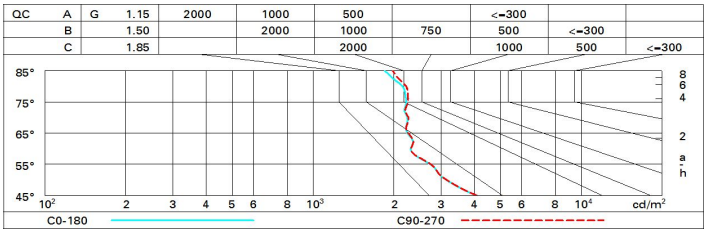
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	48	42	37	34	40	36	34	30	50
1.0	52	46	42	39	44	40	39	34	57
1.5	58	54	50	47	51	48	46	40	68
2.0	62	58	55	53	55	53	50	45	76
2.5	64	61	58	56	58	55	53	47	81
3.0	66	63	61	59	59	58	55	49	84
4.0	67	65	63	62	62	60	57	52	88
5.0	68	67	65	64	63	62	58	53	90

Luminance curve limit



UGR diagram

Corrected UGR values (at 6550 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	14.4	15.2	14.9	15.7	16.3	14.4	15.2	14.9	15.8	16.3
	3H	15.4	16.1	15.9	16.7	17.3	14.6	15.3	15.2	15.9	16.5
	4H	15.9	16.5	16.5	17.1	17.8	14.7	15.3	15.2	15.9	16.6
	6H	16.3	17.0	16.9	17.6	18.2	14.7	15.3	15.3	15.9	16.6
	8H	16.5	17.1	17.1	17.7	18.4	14.6	15.3	15.3	15.9	16.6
	12H	16.6	17.2	17.2	17.8	18.5	14.6	15.2	15.2	15.8	16.5
4H	2H	14.6	15.3	15.2	15.9	16.6	15.9	16.6	16.5	17.2	17.8
	3H	15.8	16.4	16.5	17.0	17.7	16.3	16.9	16.9	17.5	18.2
	4H	16.5	17.0	17.1	17.6	18.4	16.5	17.0	17.2	17.7	18.4
	6H	17.1	17.6	17.8	18.2	19.0	16.7	17.2	17.4	17.8	18.6
	8H	17.4	17.8	18.0	18.4	19.2	16.8	17.2	17.4	17.9	18.6
	12H	17.5	17.9	18.2	18.6	19.4	16.8	17.2	17.5	17.8	18.6
8H	4H	16.7	17.1	17.4	17.8	18.6	17.4	17.8	18.1	18.5	19.3
	6H	17.5	17.9	18.3	18.6	19.4	17.8	18.1	18.5	18.8	19.7
	8H	17.9	18.2	18.6	18.9	19.7	18.0	18.3	18.7	19.0	19.8
	12H	18.2	18.4	18.9	19.2	20.0	18.1	18.4	18.8	19.1	20.0
12H	4H	16.7	17.1	17.4	17.8	18.6	17.6	18.0	18.3	18.7	19.5
	6H	17.6	17.9	18.3	18.6	19.5	18.0	18.3	18.8	19.1	19.9
	8H	18.0	18.3	18.8	19.0	19.9	18.3	18.5	19.0	19.3	20.1

Variations with the observer position at spacing:

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