

Last information update: June 2018

iPlan - warm white - UGR<19 L<3,000 cd/m2 for $\alpha \geq 65^\circ$ **Product code**

N258

Technical description

Direct and indirect emission pendant luminaire designed to use warm white 3000K 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 $\alpha \geq 65^\circ$. Luminaire set up for simultaneous switch on of both up/down light emission. Product complete with driver, L=1500 mm supporting cables and special power supply base.

Installation

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

Dimension (mm)

600x600x26

Colour

Aluminium (12)

Weight (Kg)

10

Mounting

ceiling pendant

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations

**Product configuration: N258****Product characteristics**

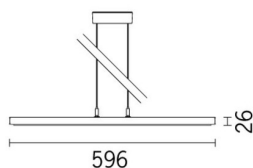
Total lighting output [Lm]: 4757
 Total power [W]: 49
 Luminous efficacy [Lm/W]: 97.1
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 818
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

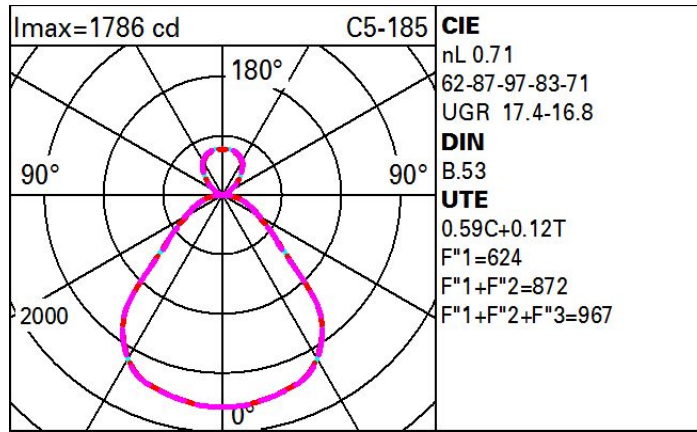
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 71
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 42
 Nominal luminous [Lm]: 6700
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 7
 Colour temperature [K]: 3000
 CRI: 80
 Wavelength [Nm]: /
 MacAdam Step: 3



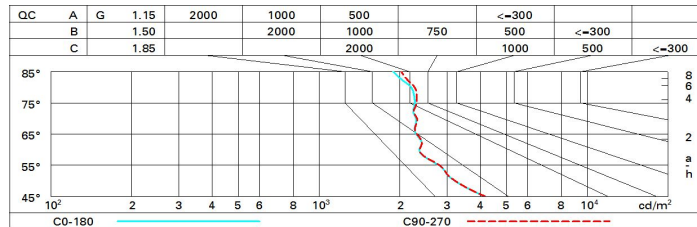
Polar



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 6700 lm bare lamp luminous flux)											
Reflect.:											
ceiling/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	14.5	15.3	15.0	15.8	16.4	14.5	15.3	15.0	15.8	16.4
	3H	15.4	16.2	16.0	16.7	17.4	14.7	15.4	15.2	16.0	16.6
	4H	15.9	16.6	16.5	17.2	17.9	14.7	15.4	15.3	16.0	16.7
	6H	16.4	17.0	17.0	17.6	18.3	14.7	15.4	15.3	16.0	16.7
	8H	16.6	17.2	17.2	17.8	18.5	14.7	15.3	15.3	15.9	16.6
	12H	16.7	17.3	17.3	17.9	18.6	14.7	15.3	15.3	15.9	16.6
4H	2H	14.7	15.4	15.3	16.0	16.7	16.0	16.7	16.6	17.2	17.9
	3H	15.9	16.5	16.6	17.1	17.8	16.4	17.0	17.0	17.6	18.3
	4H	16.6	17.1	17.2	17.7	18.5	16.6	17.1	17.2	17.8	18.5
	6H	17.2	17.6	17.9	18.3	19.1	16.8	17.2	17.5	17.9	18.7
	8H	17.4	17.8	18.1	18.5	19.3	16.8	17.3	17.5	17.9	18.7
	12H	17.6	18.0	18.3	18.7	19.5	16.9	17.2	17.6	17.9	18.7
8H	4H	16.8	17.2	17.5	17.9	18.7	17.5	17.9	18.2	18.6	19.4
	6H	17.6	18.0	18.3	18.7	19.5	17.9	18.2	18.6	18.9	19.7
	8H	18.0	18.3	18.7	19.0	19.8	18.0	18.3	18.8	19.1	19.9
	12H	18.2	18.5	19.0	19.2	20.1	18.2	18.4	18.9	19.2	20.0
12H	4H	16.8	17.2	17.5	17.9	18.7	17.7	18.1	18.4	18.8	19.6
	6H	17.7	18.0	18.4	18.7	19.6	18.1	18.4	18.9	19.1	20.0
	8H	18.1	18.4	18.9	19.1	20.0	18.4	18.6	19.1	19.3	20.2
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				