

Last information update: June 2018

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

N257

**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  $\alpha \geq 65^\circ$ . 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



IP20



pending

**Product configuration: N257****Product characteristics**

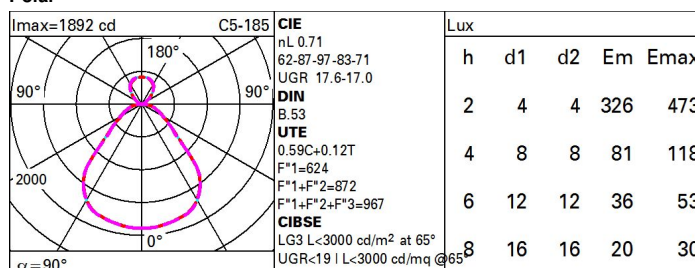
Total lighting output [Lm]: 5041  
 Total power [W]: 49  
 Luminous efficacy [Lm/W]: 102.9  
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of  $90^\circ$  [Lm]: 867  
 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]: 7100  
 Lamp maximum intensity [cd]: /  
 Beam angle [ $^\circ$ ]: /

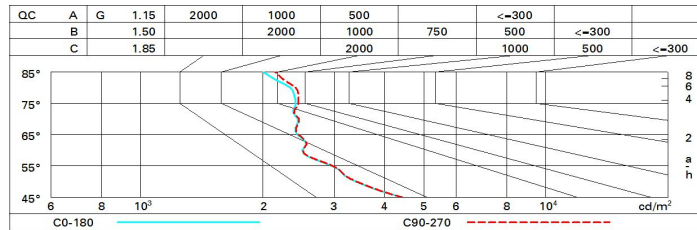
Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 7  
 Colour temperature [K]: 4000  
 CRI: 80  
 Wavelength [Nm]: /  
 MacAdam Step: 3

**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 7100 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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											
X	Y										
2H	2H	14.7	15.5	15.2	16.0	16.6	14.7	15.5	15.2	16.0	16.6
	3H	15.6	16.4	16.2	16.9	17.6	14.9	15.6	15.4	16.2	16.8
	4H	16.1	16.8	16.7	17.4	18.1	14.9	15.6	15.5	16.2	16.9
	6H	16.6	17.2	17.2	17.8	18.5	14.9	15.6	15.5	16.2	16.9
	8H	16.8	17.4	17.4	18.0	18.7	14.9	15.5	15.5	16.1	16.8
	12H	16.9	17.5	17.5	18.1	18.8	14.9	15.5	15.5	16.1	16.8
4H	2H	14.9	15.6	15.5	16.2	16.9	16.2	16.9	16.8	17.4	18.1
	3H	16.1	16.7	16.8	17.3	18.0	16.6	17.2	17.2	17.8	18.5
	4H	16.8	17.3	17.4	17.9	18.7	16.8	17.3	17.4	18.0	18.7
	6H	17.4	17.8	18.1	18.5	19.3	17.0	17.4	17.7	18.1	18.9
	8H	17.6	18.1	18.3	18.7	19.5	17.0	17.5	17.7	18.1	18.9
	12H	17.8	18.2	18.5	18.9	19.7	17.1	17.4	17.8	18.1	18.9
8H	4H	17.0	17.4	17.7	18.1	18.9	17.7	18.1	18.4	18.8	19.6
	6H	17.8	18.2	18.5	18.9	19.7	18.1	18.4	18.8	19.1	19.9
	8H	18.2	18.5	18.9	19.2	20.0	18.2	18.5	19.0	19.3	20.1
	12H	18.4	18.7	19.2	19.4	20.3	18.4	18.6	19.1	19.4	20.2
	12H	18.4	18.7	19.2	19.4	20.3	18.4	18.6	19.1	19.4	20.2
12H	4H	17.0	17.4	17.7	18.1	18.9	17.9	18.3	18.6	19.0	19.8
	6H	17.9	18.2	18.6	18.9	19.8	18.3	18.6	19.1	19.3	20.2
	8H	18.3	18.6	19.1	19.3	20.2	18.6	18.8	19.3	19.5	20.4
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				