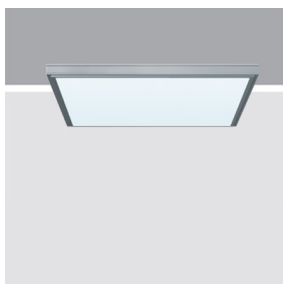


Last information update: June 2018

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

P174

**Technical description**

Recessed direct emission luminaire designed to use Neutral White 4,000K LEDs and be installed in modular false ceilings with a 625x625 mm step. 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 driver is housed in the product.

**Installation**

Recessed in modular false ceilings with a 625 x 625 mm step

**Dimension (mm)**

625x625x26

**Colour**

Aluminium (12)

**Weight (Kg)**

8.2

**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



pending

**Product configuration: P174****Product characteristics**

Total lighting output [Lm]: 4209  
 Total power [W]: 40.5  
 Luminous efficacy [Lm/W]: 103.9  
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

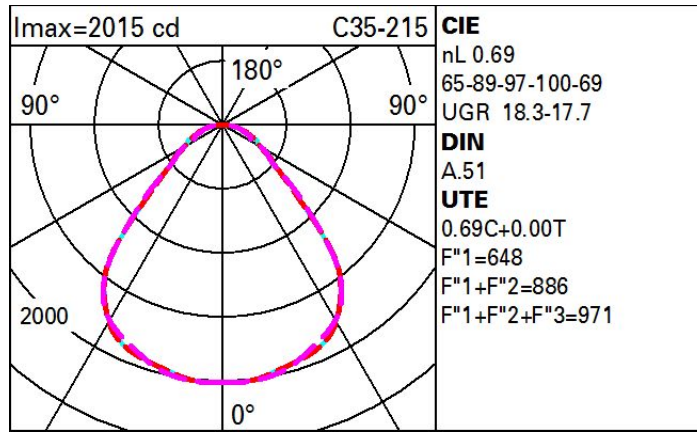
Total luminous flux at or above an angle of 90° [Lm]: 0  
 Emergency luminous flux [Lm]: /  
 Voltage [V]: -  
 Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 69  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 36  
 Nominal luminous [Lm]: 6100  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: /

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 4.5  
 Colour temperature [K]: 4000  
 CRI: 80  
 Wavelength [Nm]: /  
 MacAdam Step: 3

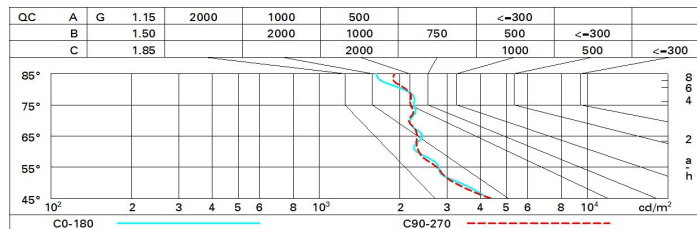
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	45	41	38	44	40	40	36	52
1.0	55	50	46	43	49	45	45	41	59
1.5	61	57	53	50	56	53	52	48	70
2.0	65	61	58	56	60	57	56	53	77
2.5	67	64	61	59	62	60	60	56	82
3.0	68	66	64	62	64	62	61	59	85
4.0	70	68	66	65	66	65	64	61	88
5.0	71	69	68	66	68	66	65	63	91

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 6100 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	15.5	16.5	15.8	16.7	17.0	15.5	16.5	15.8	16.7	17.0
	3H	16.4	17.3	16.7	17.6	17.9	15.7	16.6	16.0	16.9	17.2
	4H	16.9	17.7	17.2	18.0	18.3	15.8	16.6	16.1	16.9	17.2
	6H	17.3	18.1	17.7	18.4	18.7	15.8	16.5	16.2	16.9	17.2
	8H	17.5	18.2	17.8	18.5	18.9	15.8	16.5	16.2	16.8	17.2
	12H	17.6	18.3	17.9	18.6	19.0	15.8	16.4	16.1	16.8	17.2
4H	2H	15.8	16.6	16.1	16.9	17.2	16.9	17.7	17.2	18.0	18.3
	3H	16.9	17.6	17.3	17.9	18.3	17.3	18.0	17.7	18.3	18.7
	4H	17.5	18.1	17.9	18.5	18.9	17.5	18.1	17.9	18.5	18.9
	6H	18.1	18.6	18.5	19.0	19.5	17.7	18.2	18.1	18.6	19.1
	8H	18.3	18.8	18.7	19.2	19.7	17.7	18.2	18.2	18.7	19.1
	12H	18.4	18.9	18.9	19.3	19.8	17.8	18.2	18.2	18.7	19.1
8H	4H	17.7	18.2	18.2	18.7	19.1	18.3	18.8	18.8	19.2	19.7
	6H	18.5	18.9	19.0	19.4	19.9	18.7	19.1	19.2	19.5	20.0
	8H	18.8	19.2	19.3	19.7	20.2	18.9	19.2	19.3	19.7	20.2
	12H	19.1	19.4	19.6	19.9	20.4	19.0	19.3	19.5	19.8	20.3
12H	4H	17.8	18.2	18.2	18.7	19.1	18.5	18.9	19.0	19.4	19.8
	6H	18.6	19.0	19.1	19.4	19.9	18.9	19.3	19.4	19.7	20.2
	8H	19.0	19.3	19.5	19.8	20.3	19.1	19.4	19.6	19.9	20.5
Variations with the observer position at spacing:											
S =	1.0H	0.4 / -0.3					0.4 / -0.3				
	1.5H	1.0 / -0.7					1.0 / -0.7				
	2.0H	1.8 / -1.0					1.8 / -1.0				