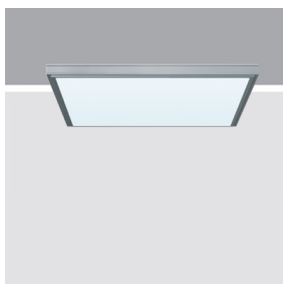


Last information update: June 2018

**iPlan - 625 x 625 mm h 26 mm - neutral white LED - DALI control gear - general light optic****Product code**

P172

Technical description

Recessed direct emission luminaire designed to use Neutral White 4,000K high colour rendering LEDs and be installed in modular false ceilings with a 625 x 625 mm step. The optical assembly consists of an anodised extruded frame, a methacrylate diffuser screen for general light emission and a painted sheet metal rear closing base. The LEDs are arranged inside the perimeter and the DALI driver is housed in the product.

Installation

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

Dimension (mm)

625x625x26

Colour

Grey (15)

Weight (Kg)

8.2

Mounting

ceiling pendant

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



IP20

IP43

On the visible part of the product once installed



pending

Product configuration: P172**Product characteristics**

Total lighting output [Lm]: 4514
 Total power [W]: 40.5
 Luminous efficacy [Lm/W]: 111.5
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

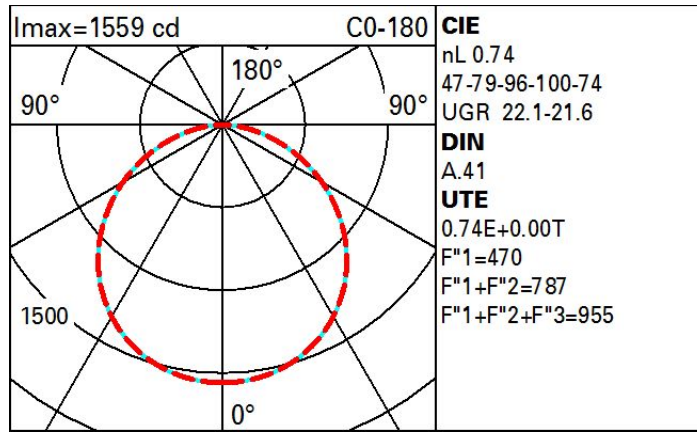
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 74
 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

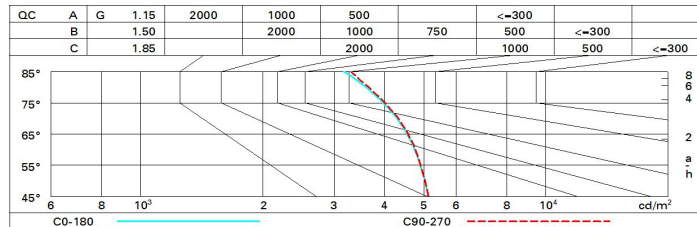
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	48	40	35	31	39	34	34	29	39
1.0	53	46	41	36	45	40	39	34	46
1.5	61	55	50	46	54	49	49	44	59
2.0	66	61	57	53	59	56	55	50	68
2.5	68	64	61	58	63	60	59	55	74
3.0	70	67	64	61	65	63	61	58	78
4.0	73	70	67	65	68	66	65	61	83
5.0	74	72	70	68	70	68	67	64	86

Luminance curve limit



UGR diagram

Corrected UGR values (at 6100 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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 crosswise					viewed endwise				
x	y										
2H	2H	18.2	19.5	18.5	19.7	20.0	18.2	19.5	18.6	19.7	20.0
	3H	19.8	20.9	20.1	21.2	21.5	18.7	19.8	19.1	20.1	20.4
	4H	20.4	21.4	20.7	21.7	22.0	18.9	20.0	19.3	20.3	20.6
	6H	20.8	21.8	21.2	22.1	22.5	19.0	20.0	19.4	20.3	20.6
	8H	21.0	21.9	21.4	22.3	22.6	19.0	19.9	19.4	20.3	20.6
	12H	21.1	22.0	21.5	22.3	22.7	19.0	19.9	19.4	20.2	20.6
4H	2H	18.9	19.9	19.3	20.3	20.6	20.4	21.4	20.8	21.8	22.1
	3H	20.6	21.5	21.0	21.9	22.2	21.1	22.0	21.5	22.3	22.7
	4H	21.3	22.1	21.8	22.5	22.9	21.4	22.2	21.8	22.5	22.9
	6H	21.9	22.6	22.4	23.0	23.5	21.6	22.3	22.0	22.7	23.1
	8H	22.1	22.8	22.6	23.2	23.6	21.6	22.3	22.1	22.7	23.2
	12H	22.3	22.8	22.7	23.3	23.7	21.7	22.2	22.1	22.7	23.1
8H	4H	21.6	22.3	22.1	22.7	23.1	22.2	22.8	22.6	23.2	23.7
	6H	22.3	22.9	22.8	23.3	23.8	22.5	23.0	23.0	23.5	24.0
	8H	22.6	23.1	23.1	23.5	24.0	22.7	23.1	23.1	23.6	24.1
	12H	22.8	23.2	23.3	23.7	24.2	22.8	23.2	23.3	23.6	24.2
12H	4H	21.6	22.2	22.1	22.7	23.1	22.3	22.9	22.8	23.3	23.8
	6H	22.4	22.9	22.9	23.3	23.8	22.7	23.2	23.2	23.6	24.1
	8H	22.7	23.1	23.2	23.6	24.1	22.9	23.3	23.4	23.8	24.3
Variations with the observer position at spacing:											
S =	1.0H	0.1 / -0.1					0.1 / -0.1				
	1.5H	0.3 / -0.4					0.3 / -0.3				
	2.0H	0.4 / -0.5					0.4 / -0.5				