

Last information update: June 2018

**iPlan - 300 x 1200 mm h 26 mm - warm white LED - electronic control gear - general light optic****Product code**

ME93

Technical description

Direct emission recessed or ceiling-mounted luminaire designed to use warm white 3000K high colour rendering LEDs. 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 driver is housed in the product.

Installation

Recessed in plasterboard false ceilings (using accessory frame), in false ceilings with frame. Possibility of ceiling-mounting using kit to be ordered separately as an accessory

Dimension (mm)

1200x300x26

Colour

Grey (15)

Weight (Kg)

7.2

Mounting

ceiling pendant

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations



IP20



IP43

On the visible part of the product once installed



pending

Product configuration: ME93**Product characteristics**

Total lighting output [Lm]: 4198
 Total power [W]: 41.8
 Luminous efficacy [Lm/W]: 100.4
 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

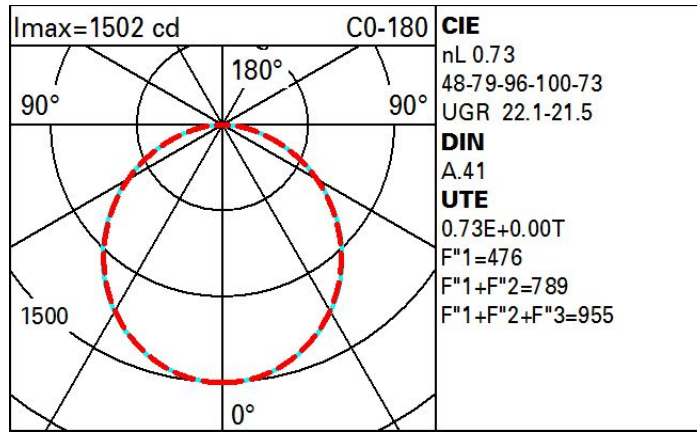
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 73
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 36
 Nominal luminous [Lm]: 5750
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 5.8
 Colour temperature [K]: 3000
 CRI: 80
 Wavelength [Nm]: /
 MacAdam Step: 3



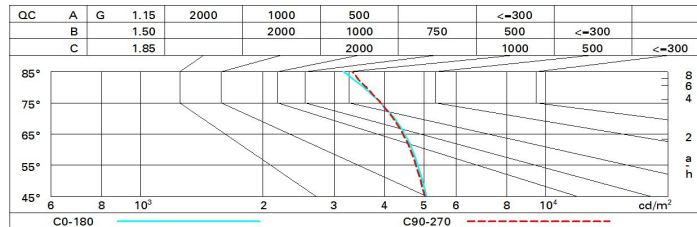
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	48	40	35	31	39	34	34	29	39
1.0	53	46	40	36	44	40	39	34	47
1.5	60	54	50	46	53	49	48	43	60
2.0	65	60	56	53	59	55	54	50	68
2.5	68	64	60	57	62	59	58	54	74
3.0	69	66	63	60	64	62	61	57	78
4.0	72	69	67	64	67	65	64	61	83
5.0	73	71	69	67	69	67	66	63	86

Luminance curve limit



UGR diagram

Corrected UGR values (at 5750 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	19.3	18.5	19.6	19.9	18.1	19.3	18.4	19.5	19.8
	3H	19.7	20.8	20.1	21.1	21.4	18.6	19.6	18.9	19.9	20.2
	4H	20.3	21.3	20.7	21.6	21.9	18.8	19.8	19.1	20.1	20.4
	6H	20.8	21.7	21.1	22.0	22.4	18.9	19.8	19.2	20.1	20.5
	8H	20.9	21.8	21.3	22.2	22.5	18.9	19.7	19.3	20.1	20.5
	12H	21.0	21.9	21.4	22.2	22.6	18.8	19.7	19.2	20.0	20.4
4H	2H	18.8	19.8	19.2	20.1	20.5	20.3	21.2	20.6	21.6	21.9
	3H	20.6	21.4	21.0	21.8	22.1	20.9	21.8	21.3	22.1	22.5
	4H	21.3	22.0	21.7	22.4	22.8	21.2	22.0	21.6	22.4	22.8
	6H	21.9	22.5	22.3	22.9	23.4	21.5	22.1	21.9	22.5	23.0
	8H	22.1	22.7	22.5	23.1	23.5	21.5	22.1	22.0	22.5	23.0
	12H	22.2	22.8	22.7	23.2	23.7	21.5	22.1	22.0	22.5	23.0
8H	4H	21.5	22.2	22.0	22.6	23.0	22.0	22.6	22.5	23.1	23.5
	6H	22.3	22.8	22.7	23.2	23.7	22.4	22.9	22.9	23.4	23.8
	8H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
	12H	22.8	23.2	23.3	23.6	24.2	22.6	23.0	23.1	23.5	24.0
12H	4H	21.6	22.1	22.0	22.6	23.0	22.2	22.7	22.7	23.2	23.7
	6H	22.3	22.8	22.8	23.2	23.7	22.6	23.0	23.1	23.5	24.0
	8H	22.6	23.0	23.2	23.5	24.0	22.8	23.2	23.3	23.6	24.2
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				