iPlan

Design iGuzzini **iGuzzini**

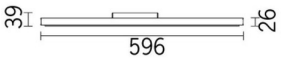
Last information update: June 2018

iplan - 596 x 596 mm h 26 mm - neutral white LED - DALI control gear - general light optic

Product code
ME86

Technical description
Direct emission recessed or ceiling-mounted luminaire designed to use neutral white 4000K 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, in modular false ceilings (even 625 x 625 mm using accessory adapter); possibility of ceiling-mounting using kit to be ordered separately as an accessory



Dimension (mm)
600x600x26

Colour
Grey (15)

Weight (Kg)
7

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: ME86

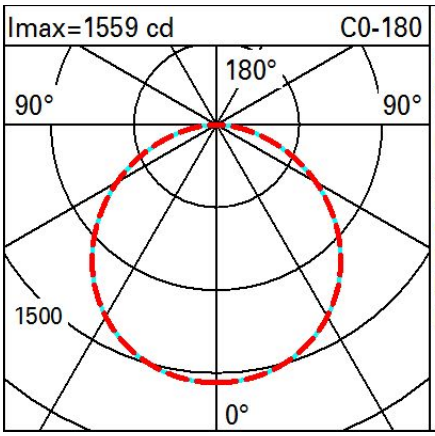
Product characteristics

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

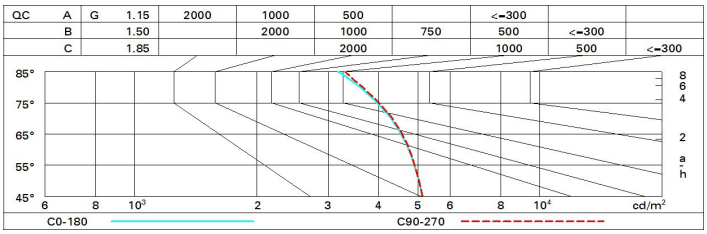


CIE
nL 0.74
47-79-96-100-74
UGR 22.1-21.6
DIN
A.41
UTE
0.74E+0.00T
F"1=470
F"1+F"2=787
F"1+F"2+F"3=955

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)

Riflect.:											
ceil/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	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