

Last information update: June 2018

**iplan - 596 x 596 mm h 26 mm - warm white LED- DALI control gear - general light optic****Product code**

ME71

**Technical description**

Direct and indirect emission pendant luminaire designed to use warm white 3000K 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 opal diffuser screen, together with an inner screen and diffusing film, allows optimum diffusion of the direct light. Luminaire set up for simultaneous switch on of both up/down light emission. Product complete with DALI 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)**

9.2

**Mounting**

ceiling pendant

**Wiring**

product complete with DALI electronic components

Complies with EN60598-1 and pertinent regulations



IP20



pending

**Product configuration: ME71****Product characteristics**

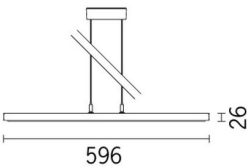
Total lighting output [Lm]: 4757  
Total power [W]: 47  
Luminous efficacy [Lm/W]: 101.2  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 773  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

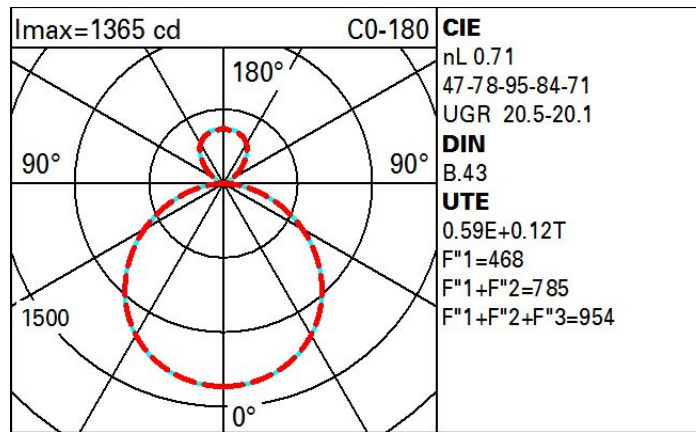
**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 71  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 42  
Nominal luminous [Lm]: 6700  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 5  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 3



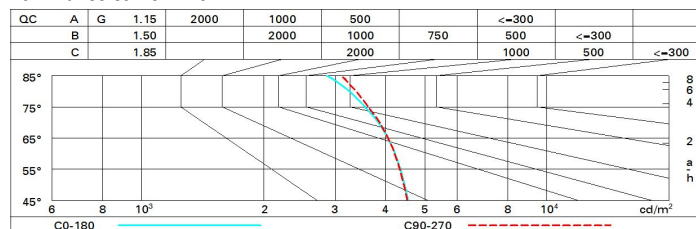
# Polar



## Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 44 | 37 | 31 | 28 | 34 | 30 | 29 | 23 | 39  |
| 1.0  | 48 | 42 | 37 | 33 | 39 | 35 | 33 | 27 | 46  |
| 1.5  | 55 | 50 | 45 | 42 | 47 | 43 | 41 | 35 | 59  |
| 2.0  | 60 | 55 | 51 | 48 | 52 | 49 | 46 | 40 | 68  |
| 2.5  | 62 | 58 | 55 | 52 | 55 | 52 | 50 | 44 | 74  |
| 3.0  | 64 | 61 | 58 | 55 | 57 | 55 | 52 | 46 | 78  |
| 4.0  | 66 | 63 | 61 | 59 | 60 | 58 | 55 | 49 | 83  |
| 5.0  | 67 | 65 | 63 | 62 | 62 | 60 | 57 | 51 | 86  |

## Luminance curve limit



# UGR diagram

| Corrected UGR values (at 6700 lm bare lamp luminous flux)        |     |                     |            |      |            |      |                   |      |      |      |      |      |
|--|-----|---------------------|------------|------|------------|------|-------------------|------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |     | 0.70                | 0.70       | 0.50 | 0.50       | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 |
|  |     | 0.50                | 0.30       | 0.50 | 0.30       | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 | 0.30 |
|  |     | 0.20                | 0.20       | 0.20 | 0.20       | 0.20 | 0.20              | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
|  |     | viewed<br>crosswise |            |      |            |      | viewed<br>endwise |      |      |      |      |      |
| 2H   | 2H  | 16.7                | 17.7       | 17.3 | 18.3       | 18.9 | 16.8              | 17.8 | 17.3 | 18.3 | 18.9 |      |
|  | 3H  | 18.3                | 19.2       | 18.9 | 19.7       | 20.4 | 17.2              | 18.1 | 17.8 | 18.7 | 19.3 |      |
|  | 4H  | 18.9                | 19.7       | 19.5 | 20.3       | 20.9 | 17.4              | 18.2 | 18.0 | 18.8 | 19.5 |      |
|  | 6H  | 19.3                | 20.1       | 19.9 | 20.7       | 21.4 | 17.5              | 18.2 | 18.1 | 18.8 | 19.5 |      |
|  | 8H  | 19.5                | 20.2       | 20.1 | 20.8       | 21.5 | 17.5              | 18.2 | 18.1 | 18.8 | 19.5 |      |
|  | 12H | 19.6                | 20.3       | 20.2 | 20.9       | 21.6 | 17.4              | 18.1 | 18.1 | 18.8 | 19.5 |      |
| 4H   | 2H  | 17.4                | 18.2       | 18.0 | 18.8       | 19.5 | 18.9              | 19.8 | 19.5 | 20.4 | 21.0 |      |
|  | 3H  | 19.1                | 19.8       | 19.7 | 20.4       | 21.1 | 19.6              | 20.3 | 20.2 | 20.9 | 21.6 |      |
|  | 4H  | 19.8                | 20.4       | 20.4 | 21.0       | 21.8 | 19.8              | 20.5 | 20.5 | 21.1 | 21.8 |      |
|  | 6H  | 20.3                | 20.9       | 21.0 | 21.6       | 22.3 | 20.0              | 20.6 | 20.7 | 21.3 | 22.0 |      |
|  | 8H  | 20.5                | 21.0       | 21.2 | 21.7       | 22.5 | 20.1              | 20.6 | 20.8 | 21.3 | 22.1 |      |
|  | 12H | 20.7                | 21.1       | 21.4 | 21.8       | 22.6 | 20.1              | 20.6 | 20.8 | 21.2 | 22.0 |      |
| 8H   | 4H  | 20.0                | 20.5       | 20.7 | 21.2       | 22.0 | 20.7              | 21.2 | 21.3 | 21.8 | 22.6 |      |
|  | 6H  | 20.7                | 21.2       | 21.4 | 21.9       | 22.7 | 21.0              | 21.4 | 21.7 | 22.1 | 22.9 |      |
|  | 8H  | 21.0                | 21.4       | 21.7 | 22.1       | 22.9 | 21.1              | 21.5 | 21.8 | 22.2 | 23.0 |      |
|  | 12H | 21.2                | 21.5       | 21.9 | 22.2       | 23.1 | 21.2              | 21.5 | 21.9 | 22.3 | 23.1 |      |
| 12H  | 4H  | 20.0                | 20.5       | 20.7 | 21.2       | 22.0 | 20.8              | 21.3 | 21.5 | 22.0 | 22.8 |      |
|  | 6H  | 20.8                | 21.1       | 21.5 | 21.9       | 22.7 | 21.2              | 21.6 | 21.9 | 22.3 | 23.1 |      |
|  | 8H  | 21.1                | 21.4       | 21.8 | 22.1       | 23.0 | 21.4              | 21.7 | 22.1 | 22.4 | 23.2 |      |
| Variations with the observer position at spacing:                |     |                     |            |      |            |      |                   |      |      |      |      |      |
| S =  |     | 1.0H                | 0.1 / -0.1 |      | 0.1 / -0.1 |      |                   |      |      |      |      |      |
|  |     | 1.5H                | 0.3 / -0.3 |      | 0.3 / -0.3 |      |                   |      |      |      |      |      |
|  |     | 2.0H                | 0.4 / -0.5 |      | 0.4 / -0.5 |      |                   |      |      |      |      |      |