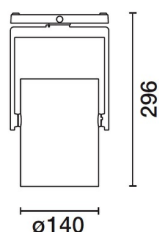


## Front Light

Design iGuzzini

iGuzzini

Last information update: May 2018



### pendant - Neutral White - Spot Optic

**Product code**  
P093

#### Technical description

Pendant luminaire equipped with a three-phase adapter for electrified tracks, made of die-cast aluminium and thermoplastic material. The pendant system consists of steel cables L=2000 that provide a simple mechanical anchoring system. Having been rotated and tilted, the luminaire can be locked mechanically in position to ensure efficient light aiming (during maintenance operations too). Luminaire for high yield C.O.B. technology LED lamp with monochrome emission in a neutral white colour tone (4000K). Spot optic. Equipped with electronic ballast. Equipped with an accessory holding ring designed to contain a flat accessory. An external component may also be applied, such as directional flaps with 360° rotation.

#### Installation

On an electrified track

#### Dimension (mm)

Ø140x296

#### Colour

White (01) | Black (04) | Grey/Black (74)

#### Weight (Kg)

2.4

#### Mounting

three circuit track pendant|ceiling surface

#### Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly



#### Product configuration: P093

#### Product characteristics

Total lighting output [Lm]: 5451  
Total power [W]: 50.3  
Luminous efficacy [Lm/W]: 108.4  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

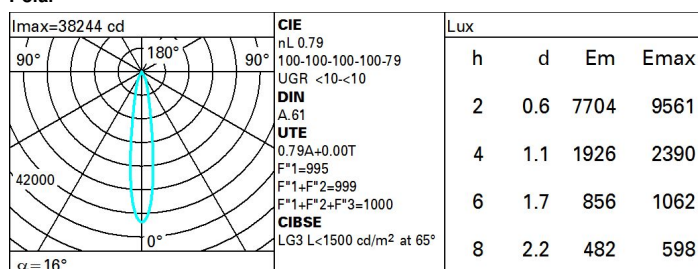
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 46  
Nominal luminous [Lm]: 6900  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 16°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.3  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 2

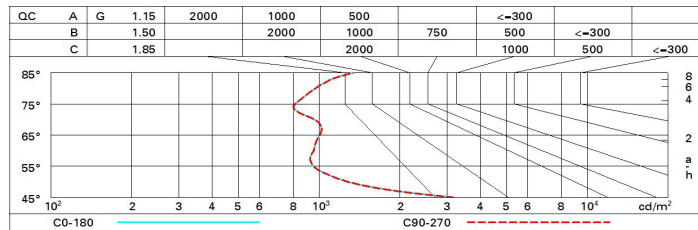
#### Polar



Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 71 | 68 | 65 | 63 | 67 | 65 | 64 | 62 | 78  |
| 1.0  | 74 | 71 | 69 | 67 | 70 | 68 | 68 | 65 | 83  |
| 1.5  | 78 | 76 | 74 | 72 | 75 | 73 | 72 | 70 | 88  |
| 2.0  | 80 | 79 | 77 | 76 | 78 | 76 | 75 | 73 | 93  |
| 2.5  | 82 | 81 | 80 | 79 | 80 | 78 | 78 | 76 | 96  |
| 3.0  | 83 | 82 | 81 | 80 | 81 | 80 | 79 | 77 | 98  |
| 4.0  | 84 | 83 | 83 | 82 | 82 | 82 | 80 | 78 | 99  |
| 5.0  | 84 | 84 | 84 | 83 | 83 | 82 | 81 | 79 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 6900 lm bare lamp luminous flux) |      |                  |      |      |      |            |                |      |      |      |      |
|---|------|------------------|------|------|------|------------|----------------|------|------|------|------|
| Reflect.:   |      | viewed crosswise |      |      |      |            | viewed endwise |      |      |      |      |
| 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  |      |                  |      |      |      |            |                |      |      |      |      |
| x   | y    |                  |      |      |      |            |                |      |      |      |      |
| 2H  | 2H   | 3.7              | 5.8  | 4.0  | 6.1  | 6.4        | 3.7            | 5.8  | 4.0  | 6.1  | 6.4  |
|   | 3H   | 3.7              | 5.2  | 4.1  | 5.6  | 5.9        | 3.6            | 5.1  | 3.9  | 5.4  | 5.8  |
|   | 4H   | 3.7              | 5.0  | 4.1  | 5.3  | 5.6        | 3.5            | 4.8  | 3.9  | 5.1  | 5.5  |
|   | 6H   | 3.8              | 4.7  | 4.1  | 5.1  | 5.4        | 3.5            | 4.5  | 3.9  | 4.8  | 5.2  |
|   | 8H   | 3.8              | 4.8  | 4.1  | 5.1  | 5.5        | 3.5            | 4.5  | 3.9  | 4.8  | 5.2  |
| 12H   | 3.8  | 4.8              | 4.2  | 5.2  | 5.5  | 3.4        | 4.4            | 3.8  | 4.8  | 5.2  |      |
| 4H  | 2H   | 3.5              | 4.8  | 3.9  | 5.1  | 5.5        | 3.7            | 5.0  | 4.1  | 5.3  | 5.6  |
|   | 3H   | 3.6              | 4.6  | 4.0  | 5.0  | 5.4        | 3.7            | 4.7  | 4.1  | 5.1  | 5.4  |
|   | 4H   | 3.6              | 4.7  | 4.0  | 5.1  | 5.5        | 3.6            | 4.7  | 4.0  | 5.1  | 5.5  |
|   | 6H   | 3.4              | 5.1  | 3.9  | 5.6  | 6.0        | 3.3            | 5.0  | 3.8  | 5.5  | 5.9  |
|   | 8H   | 3.4              | 5.3  | 3.9  | 5.7  | 6.2        | 3.2            | 5.1  | 3.7  | 5.6  | 6.1  |
| 12H   | 3.4  | 5.3              | 3.9  | 5.8  | 6.3  | 3.1        | 5.1            | 3.6  | 5.5  | 6.1  |      |
| 8H  | 4H   | 3.2              | 5.1  | 3.7  | 5.6  | 6.1        | 3.4            | 5.3  | 3.9  | 5.7  | 6.2  |
|   | 6H   | 3.3              | 5.1  | 3.8  | 5.6  | 6.1        | 3.4            | 5.1  | 3.9  | 5.6  | 6.2  |
|   | 8H   | 3.5              | 5.0  | 4.0  | 5.5  | 6.0        | 3.5            | 5.0  | 4.0  | 5.5  | 6.0  |
|   | 12H  | 3.8              | 4.7  | 4.3  | 5.2  | 5.7        | 3.7            | 4.6  | 4.2  | 5.1  | 5.6  |
| 12H   | 4H   | 3.1              | 5.1  | 3.6  | 5.5  | 6.1        | 3.4            | 5.3  | 3.9  | 5.8  | 6.3  |
|   | 6H   | 3.3              | 4.9  | 3.9  | 5.4  | 5.9        | 3.5            | 5.1  | 4.1  | 5.6  | 6.1  |
|   | 8H   | 3.7              | 4.6  | 4.2  | 5.1  | 5.6        | 3.8            | 4.7  | 4.3  | 5.2  | 5.7  |
| Variations with the observer position at spacing:         |      |                  |      |      |      |            |                |      |      |      |      |
| S =   | 1.0H | 3.9 / -3.9       |      |      |      | 3.9 / -3.9 |                |      |      |      |      |
|   | 1.5H | 6.5 / -4.1       |      |      |      | 6.5 / -4.1 |                |      |      |      |      |
|   | 2.0H | 8.5 / -4.2       |      |      |      | 8.5 / -4.2 |                |      |      |      |      |