# View Opti Linear

**Design iGuzzini / Arup** | **iGuzzini**

Last information update: December 2024

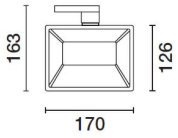
**Product configuration: P640**
P640: medium body - warm white - wide flood optic

**Product code**
P640: medium body - warm white - wide flood optic

**Technical description**
Adjustable spotlight with adapter for installation on electrified track for a linear PCB LED lamp with a Warm White (3000K) tone. Product complete with super pure anodized aluminium reflector to guarantee wide flood light distribution. DALI ballast integrated in the body. Die-cast aluminium optical assembly. Rotates 360° about the vertical axis and tilts 90° relative to the horizontal plane. Passive heat dissipation. Option of installing a range of outdoor accessories including an anti-glare and an asymmetric screen.

**Installation**
On an electrified track or base

| **Colour** | **Weight (Kg)** |
|---|---|
| Black (04) \| Black / White (47) | 1.35 |




**Mounting**
three circuit track|ceiling surface

**Wiring**
Product complete with electronic components

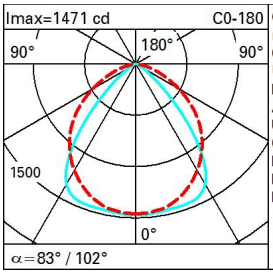
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 3159 | CRI (minimum): | 80 |
| W system: | 30 | Colour temperature [K]: | 3000 |
| lm source: | 3900 | MacAdam Step: | 3 |
| W source: | 27 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 105.3 | Lamp code: | LED |
| lm in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 81 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 84° / 102° | Control: | DALI-2 |

**Polar**




**CIE**
nL 0.81
63-91-99-100-81
UGR 27.1-32.5
**DIN**
A.51
**UTE**
0.81C+0.00T
F"1=631
F"1+F"2=913
F"1+F"2+F"3=990

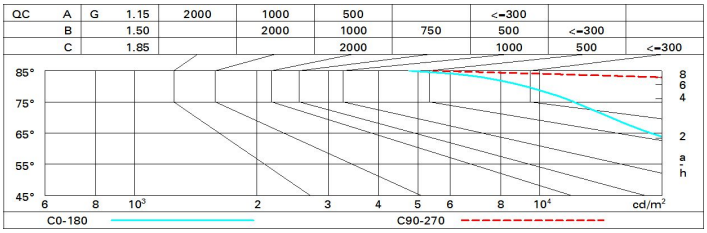
Lux

| h | d1 | d2 | Em | Emax |
|---|---|---|---|---|
| 1 | 1.8 | 2.5 | 969 | 1469 |
| 2 | 3.6 | 4.9 | 242 | 367 |
| 3 | 5.3 | 7.4 | 108 | 163 |
| 4 | 7.1 | 9.9 | 61 | 92 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 59 | 52 | 47 | 43 | 51 | 46 | 46 | 41 | 51 |
| 1.0 | 64 | 58 | 53 | 49 | 57 | 52 | 52 | 47 | 58 |
| 1.5 | 72 | 67 | 63 | 59 | 65 | 62 | 61 | 57 | 70 |
| 2.0 | 76 | 72 | 69 | 66 | 71 | 68 | 67 | 63 | 78 |
| 2.5 | 79 | 75 | 73 | 70 | 74 | 71 | 70 | 67 | 83 |
| 3.0 | 80 | 78 | 75 | 73 | 76 | 74 | 73 | 69 | 86 |
| 4.0 | 82 | 80 | 78 | 76 | 78 | 77 | 75 | 72 | 89 |
| 5.0 | 83 | 81 | 80 | 78 | 80 | 78 | 77 | 74 | 91 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 3900 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 crosswise | | | | | viewed endwise | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 26.6 | 27.5 | 26.9 | 27.7 | 28.0 | 31.1 | 32.0 | 31.4 | 32.3 | 32.5 |
| | 3H | 26.5 | 27.3 | 26.9 | 27.6 | 27.9 | 31.2 | 32.0 | 31.5 | 32.3 | 32.6 |
| | 4H | 26.5 | 27.2 | 26.8 | 27.5 | 27.8 | 31.1 | 31.9 | 31.5 | 32.2 | 32.5 |
| | 6H | 26.4 | 27.1 | 26.8 | 27.4 | 27.8 | 31.1 | 31.8 | 31.4 | 32.1 | 32.4 |
| | 8H | 26.4 | 27.1 | 26.8 | 27.4 | 27.7 | 31.0 | 31.7 | 31.4 | 32.0 | 32.4 |
| | 12H | 26.4 | 27.0 | 26.7 | 27.3 | 27.7 | 31.0 | 31.6 | 31.4 | 32.0 | 32.3 |
| 4H | 2H | 27.2 | 28.0 | 27.6 | 28.3 | 28.6 | 32.4 | 33.1 | 32.7 | 33.4 | 33.7 |
| | 3H | 27.2 | 27.9 | 27.6 | 28.2 | 28.6 | 32.6 | 33.2 | 33.0 | 33.6 | 33.9 |
| | 4H | 27.2 | 27.7 | 27.6 | 28.1 | 28.5 | 32.6 | 33.2 | 33.0 | 33.6 | 33.9 |
| | 6H | 27.1 | 27.6 | 27.6 | 28.0 | 28.4 | 32.6 | 33.1 | 33.0 | 33.5 | 33.9 |
| | 8H | 27.1 | 27.5 | 27.5 | 28.0 | 28.4 | 32.5 | 33.0 | 33.0 | 33.4 | 33.8 |
| | 12H | 27.1 | 27.5 | 27.5 | 27.9 | 28.4 | 32.5 | 32.9 | 32.9 | 33.3 | 33.8 |
| 8H | 4H | 27.4 | 27.8 | 27.8 | 28.2 | 28.7 | 32.8 | 33.3 | 33.3 | 33.7 | 34.1 |
| | 6H | 27.3 | 27.7 | 27.8 | 28.1 | 28.6 | 32.8 | 33.2 | 33.3 | 33.6 | 34.1 |
| | 8H | 27.3 | 27.6 | 27.8 | 28.1 | 28.6 | 32.8 | 33.1 | 33.3 | 33.6 | 34.1 |
| | 12H | 27.2 | 27.5 | 27.8 | 28.0 | 28.5 | 32.8 | 33.0 | 33.3 | 33.5 | 34.0 |
| 12H | 4H | 27.4 | 27.8 | 27.8 | 28.2 | 28.7 | 32.8 | 33.2 | 33.2 | 33.6 | 34.1 |
| | 6H | 27.3 | 27.6 | 27.8 | 28.1 | 28.6 | 32.8 | 33.1 | 33.3 | 33.6 | 34.1 |
| | 8H | 27.3 | 27.6 | 27.8 | 28.1 | 28.6 | 32.8 | 33.0 | 33.3 | 33.5 | 34.0 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 1.3 / -2.8 | 0.3 / -0.3 |
| | 1.5H | 2.3 / -5.1 | 0.6 / -1.1 |
| | 2.0H | 3.6 / -6.5 | 1.3 / -1.6 |