# Tecnica Evo

**Design iGuzzini** **iGuzzini**

Last information update: February 2025

**Product configuration: R360.01**
R360.01: body Ø 117 mm - food - flood optic - 37.9W 3367lm - 3000K - CRI 95 - White

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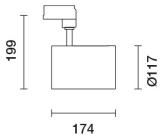
**Technical description**
Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Equipped with electronic ballast. Luminaire complete with C.O.B. technology LED unit with colour tone calibrated for fruit and vegetable products. Anti-scratch reflector made of P.V.D (physical vapour deposition) aluminium that can provide optimum performance in terms of light efficiency. Flood optic. Possibility of installing a flat accessory, like a glass cover or an elliptical distribution refractor. Interchangeable reflectors that can be ordered as an accessory.

**Installation**
On an electrified track or special base

| **Colour** | **Weight (Kg)** |
|---|---|
| White (01) | 1.1 |




**Mounting**
three circuit track

**Wiring**
Product complete with electronic components

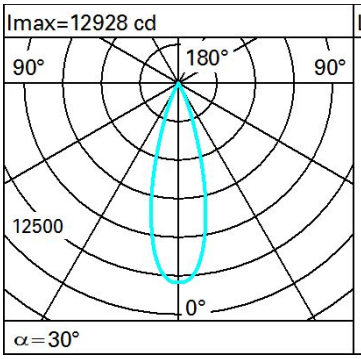
Complies with EN60598-1 and pertinent regulations

IP20 IP40 With accessory installed

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 3367 | MacAdam Step: | 3 |
| W system: | 37.9 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| lm source: | 3700 | Lamp code: | LED |
| W source: | 34 | Number of lamps for optical assembly: | 1 |
| Luminous efficiency (lm/W, real value): | 88.8 | ZVEI Code: | LED |
| lm in emergency mode: | - | Number of optical assemblies: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Power factor: | See installation instructions |
| Light Output Ratio (L.O.R.) [%]: | 91 | Inrush current: | 18 A / 250 µs |
| Beam angle [°]: | 30° | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| CRI (minimum): | 95 | Control: | On/off |
| Colour temperature [K]: | 3000 | | |

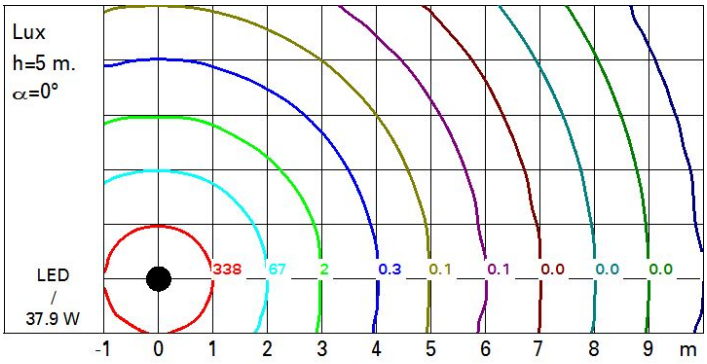
**Polar**




Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.1 | 2567 | 3232 |
| 4 | 2.1 | 642 | 808 |
| 6 | 3.2 | 285 | 359 |
| 8 | 4.2 | 160 | 202 |

**Isolux**




**UGR diagram**

Corrected UGR values (at 3700 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 | -2.0 | 0.2 | -1.6 | 0.5 | 0.8 | -2.0 | 0.2 | -1.6 | 0.5 | 0.8 |
| | 3H | -2.0 | -0.2 | -1.6 | 0.1 | 0.4 | -2.0 | -0.3 | -1.7 | 0.0 | 0.4 |
| | 4H | -1.9 | -0.5 | -1.6 | -0.2 | 0.2 | -2.1 | -0.6 | -1.7 | -0.3 | 0.1 |
| | 6H | -1.9 | -0.8 | -1.5 | -0.5 | -0.1 | -2.1 | -1.0 | -1.7 | -0.7 | -0.3 |
| | 8H | -1.9 | -0.8 | -1.5 | -0.5 | -0.1 | -2.1 | -1.1 | -1.7 | -0.7 | -0.3 |
| | 12H | -1.9 | -0.8 | -1.5 | -0.5 | -0.1 | -2.2 | -1.1 | -1.8 | -0.8 | -0.4 |
| 4H | 2H | -2.1 | -0.6 | -1.7 | -0.3 | 0.1 | -1.9 | -0.5 | -1.6 | -0.2 | 0.2 |
| | 3H | -1.9 | -0.9 | -1.5 | -0.5 | -0.2 | -1.9 | -0.8 | -1.5 | -0.5 | -0.1 |
| | 4H | -1.9 | -0.9 | -1.5 | -0.6 | -0.2 | -1.9 | -0.9 | -1.5 | -0.6 | -0.2 |
| | 6H | -2.1 | -0.4 | -1.6 | 0.0 | 0.5 | -2.2 | -0.5 | -1.7 | -0.1 | 0.4 |
| | 8H | -2.2 | -0.2 | -1.7 | 0.2 | 0.7 | -2.3 | -0.4 | -1.9 | 0.1 | 0.6 |
| | 12H | -2.2 | -0.2 | -1.7 | 0.3 | 0.8 | -2.4 | -0.4 | -1.9 | 0.1 | 0.6 |
| 8H | 4H | -2.3 | -0.4 | -1.9 | 0.1 | 0.6 | -2.2 | -0.2 | -1.7 | 0.2 | 0.7 |
| | 6H | -2.2 | -0.4 | -1.7 | 0.1 | 0.6 | -2.2 | -0.3 | -1.6 | 0.2 | 0.7 |
| | 8H | -2.1 | -0.4 | -1.6 | 0.1 | 0.6 | -2.1 | -0.4 | -1.6 | 0.1 | 0.6 |
| | 12H | -1.9 | -0.8 | -1.4 | -0.3 | 0.3 | -1.9 | -0.8 | -1.4 | -0.3 | 0.2 |
| 12H | 4H | -2.4 | -0.4 | -1.9 | 0.1 | 0.6 | -2.2 | -0.2 | -1.7 | 0.3 | 0.8 |
| | 6H | -2.2 | -0.5 | -1.7 | -0.0 | 0.5 | -2.1 | -0.4 | -1.6 | 0.1 | 0.6 |
| | 8H | -1.9 | -0.8 | -1.4 | -0.3 | 0.2 | -1.9 | -0.8 | -1.4 | -0.3 | 0.3 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 3.7 / -2.7 | 3.7 / -2.7 |
| | 1.5H | 6.1 / -3.6 | 6.1 / -3.6 |
| | 2.0H | 8.0 / -4.2 | 8.0 / -4.2 |