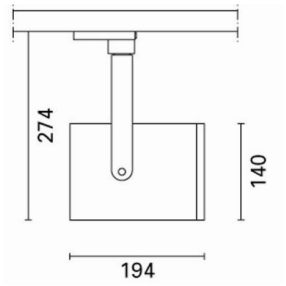
## Front Light

**Design iGuzzini** **iGuzzini**

Last information update: September 2024

**Product configuration: MK83**
MK83: Spotlight - Large body - LED Neutral White - Electronic ballast -Flood Optic




**Product code**
MK83: Spotlight - Large body - LED Neutral White - Electronic ballast -Flood Optic **Attention! Code no longer in production**

**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. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Equipped with ballast. The luminaire comes complete with LED unit with flood optic in a neutral white tone.

**Installation**
On an electrified track

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

**Weight (Kg)**
2

**Mounting**
three circuit track

**Wiring**
Electronic components housed in the luminaire

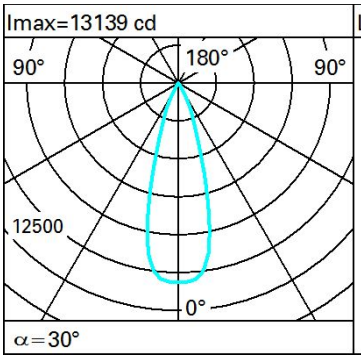
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 4020 | CRI (minimum): | 80 |
| W system: | 34.5 | Colour temperature [K]: | 4000 |
| lm source: | 5100 | MacAdam Step: | 2 |
| W source: | 32 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 116.5 | 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.) [%]: | 79 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 30° | | |

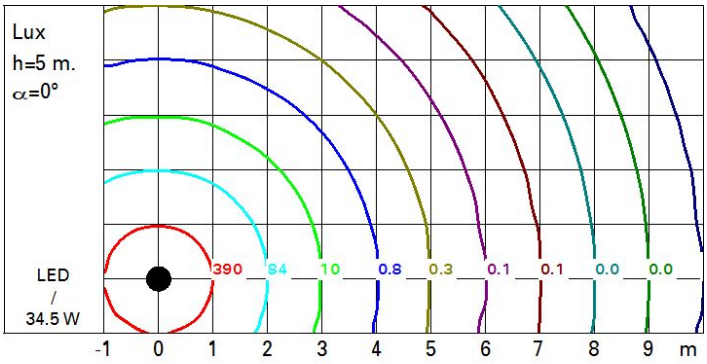
**Polar**




Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.1 | 2772 | 3285 |
| 4 | 2.1 | 693 | 821 |
| 6 | 3.2 | 308 | 365 |
| 8 | 4.3 | 173 | 205 |

**Isolux**




**UGR diagram**

Corrected UGR values (at 5100 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 | 4.3 | 4.8 | 4.6 | 5.0 | 5.3 | 4.3 | 4.8 | 4.6 | 5.0 | 5.3 |
| | 3H | 4.5 | 5.0 | 4.8 | 5.2 | 5.5 | 4.3 | 4.7 | 4.6 | 5.0 | 5.3 |
| | 4H | 4.6 | 5.0 | 4.9 | 5.3 | 5.6 | 4.3 | 4.7 | 4.6 | 5.0 | 5.3 |
| | 6H | 4.7 | 5.1 | 5.1 | 5.5 | 5.8 | 4.2 | 4.6 | 4.6 | 4.9 | 5.3 |
| | 8H | 4.8 | 5.2 | 5.1 | 5.5 | 5.8 | 4.2 | 4.6 | 4.6 | 4.9 | 5.2 |
| | 12H | 4.8 | 5.2 | 5.2 | 5.5 | 5.9 | 4.2 | 4.5 | 4.5 | 4.9 | 5.2 |
| 4H | 2H | 4.3 | 4.7 | 4.6 | 5.0 | 5.3 | 4.6 | 5.0 | 4.9 | 5.3 | 5.6 |
| | 3H | 4.6 | 4.9 | 4.9 | 5.3 | 5.6 | 4.7 | 5.1 | 5.1 | 5.4 | 5.8 |
| | 4H | 4.8 | 5.1 | 5.2 | 5.5 | 5.8 | 4.8 | 5.1 | 5.2 | 5.5 | 5.8 |
| | 6H | 5.0 | 5.3 | 5.4 | 5.7 | 6.1 | 4.8 | 5.1 | 5.2 | 5.5 | 5.9 |
| | 8H | 5.1 | 5.4 | 5.5 | 5.8 | 6.2 | 4.8 | 5.1 | 5.2 | 5.5 | 5.9 |
| | 12H | 5.1 | 5.4 | 5.6 | 5.8 | 6.3 | 4.8 | 5.0 | 5.2 | 5.4 | 5.9 |
| 8H | 4H | 4.8 | 5.1 | 5.2 | 5.5 | 5.9 | 5.1 | 5.4 | 5.5 | 5.8 | 6.2 |
| | 6H | 5.1 | 5.4 | 5.6 | 5.8 | 6.3 | 5.2 | 5.4 | 5.7 | 5.9 | 6.4 |
| | 8H | 5.3 | 5.5 | 5.8 | 5.9 | 6.4 | 5.3 | 5.5 | 5.8 | 5.9 | 6.4 |
| | 12H | 5.4 | 5.6 | 5.9 | 6.0 | 6.6 | 5.3 | 5.5 | 5.8 | 6.0 | 6.5 |
| 12H | 4H | 4.8 | 5.0 | 5.2 | 5.4 | 5.9 | 5.1 | 5.4 | 5.6 | 5.8 | 6.3 |
| | 6H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.3 | 5.5 | 5.8 | 6.0 | 6.5 |
| | 8H | 5.3 | 5.5 | 5.8 | 6.0 | 6.5 | 5.4 | 5.6 | 5.9 | 6.0 | 6.6 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 3.9 / -2.1 | 3.9 / -2.1 |
| | 1.5H | 6.3 / -2.5 | 6.3 / -2.5 |
| | 2.0H | 8.2 / -2.7 | 8.2 / -2.7 |