# MITRA LED 5850LM 3000K MAT IP66 II KL. (52W)

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Light source:** | LED module |
| **Ingress protection:** | IP66 |
| **Nominal power [W]:** | 52 |
| **Luminous flux [lm]*:** | 5850 |
| **Colour temperature [K]:** | 3000 |
| **SDCM:** | 3 |
| **Color rendering index (Ra) >:** | 80 |
| **Electrical protection class:** | II |
| **Energy efficiency class:** | E |
| **Material of the body:** | PP+FG |

## CHARACTERISTICS

LED fitting with high luminous efficiency and an energy-saving, integrated LED panel. Body made of polypropylene (PP) with glass fiber (GF), aluminum handle and polycarbonate diffuser (PC).
The lamp is available in two versions of light distribiution:
- general G1 - with a frozen diffuser,
- road RM1 - with a transparent diffuser and directional lens matrices made of PMMA.
IP66 ingress protection class and IK07 impact-rating features make this fitting shock-resistant (vandal-resistant).The integrated handle allows for top mounting to the pole. Colour of the body: gray (RAL 7010).
Standard equipped with:
- surge protection (SP10kV),
- H07RN-F cable with a length of 0.6 m and an IP66 quick connection.

## APPLICATION

Fitting used in open spaces to lighten: streets, local roads, bicycle paths, alleys, pavements, car parks and squares. Installation and mounting: post-top mounting. Mounting grip integrated with the fitting.

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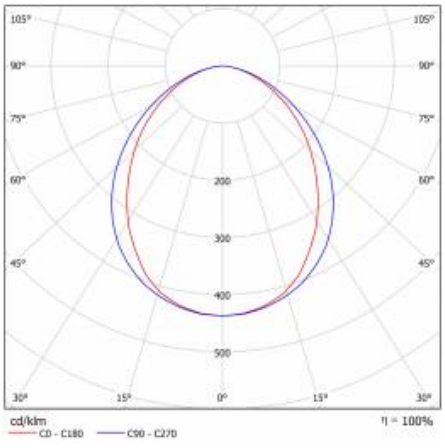
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 956416 |
| **EAN:** | 5905963956416 |
| **Light source:** | LED module |
| **Nominal power [W]:** | 52 |
| **Rated power of the luminaire [W]:** | 51.30 |
| **Luminous flux [lm]:** | 5850 |
| **Luminous efficacy [lm/W]:** | 116 |
| **Energy efficiency class:** | E |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 3000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Power factor:** | 0.97 |
| **LED lifespan L70B50 [h]:** | 90000 |
| **Surge protection [kV]:** | 2 |
| **Diffuser material:** | PC |
| **Diffuser type:** | frozen |
| **Diffuser colour:** | transparent |
| **Material of the body:** | PP+FG |
| **Colour of the body:** | grey |
| **Dimensions (H/W/T/S) [mm]:** | 398/398/175 |

| | |
|---|---|
| **Mounting dimensions [mm]:** | ø60 |
| **Ingress protection:** | IP66 |
| **Mounting version:** | on the pole |
| **Working temperature [°C]:** | from -15 to +35 |
| **Diode size [mm]:** | 2835 |
| **Dimensions of single box [mm]:** | 400/400/175 |
| **Net weight [kg]:** | 1.900 |
| **Warranty [years]:** | 5 |
| **Category type:** | Park and city lighting |
| **Light distribution type:** | G1 |
| **Category of application:** | parkings and bicycle paths |
| **Beam angle [°]:** | 50000 |
| **Gross weight [kg]:** | 1.900 |
| **Permeability factor of the diffuser:** | 0.80 |
| **ETIM class:** | EC000062 |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **ULOR:** | 0% |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 38/2024 |
| **Manual:** | Download PDF |
| **Plik LDT:** | Download |

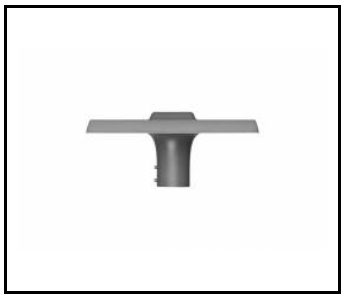
## LIGHT CURVES



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## TECHNICAL DETAILS



MITRA LED



MITRA LED

Card creation date: 04 June 2025

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 38/2024

LENA LIGHTING

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