

# MITRA LED 6450LM 4000K RM1 IP66 I KL. (52W)

DETAILED CARD



## TECHNICAL PARAMETERS

|                                     |            |
|-------------------------------------|------------|
| <b>Light source:</b>                | LED module |
| <b>Ingress protection:</b>          | IP66       |
| <b>Nominal power [W]:</b>           | 52         |
| <b>Luminous flux [lm]*:</b>         | 6450       |
| <b>Colour temperature [K]:</b>      | 4000       |
| <b>SDCM:</b>                        | ≤ 3        |
| <b>Colour rendering index:</b>      | >80        |
| <b>Electrical protection class:</b> | I          |
| <b>Energy efficiency class:</b>     | D          |
| <b>Material of the body:</b>        | 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 distribution:

- general G1 - with a frosted 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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## TECHNICAL PARAMETERS TABLE

|  |               |   |   |
|--|---------------|---|---|
| <b>Nominal power [W]:</b>                | 52            | <b>Optics:</b>                              | matrix lens   |
| <b>Index:</b>                            | 956010        | <b>Material of the body:</b>                | PP+FG   |
| <b>Colour temperature [K]:</b>           | 4000          | <b>Colour of the body:</b>                  | grey  |
| <b>EAN:</b>                              | 5905963956010 | <b>Dimensions (H/W/T/S) [mm]:</b>           | 398/398/175   |
| <b>Luminous flux [lm]:</b>               | 6450          | <b>Mounting dimensions [mm]:</b>            | 398/398/174   |
| <b>Light source:</b>                     | LED module    | <b>Ingress protection:</b>                  | IP66  |
| <b>Light distribution type:</b>          | RM1           | <b>Working temperature [°C]:</b>            | from -15 to +35   |
| <b>Rated power of the luminaire [W]:</b> | 51.30         | <b>Dimensions of single box [mm]:</b>       | 400/400/175   |
| <b>Supply voltage [V]:</b>               | 220-240       | <b>Net weight [kg]:</b>                     | 48  |
| <b>Electrical protection class:</b>      | I             | <b>Warranty [years]:</b>                    | 5   |
| <b>Frequency [Hz]:</b>                   | 50 - 60       | <b>Category type:</b>                       | Park and city lighting  |
| <b>Luminous efficacy [lm/W]:</b>         | 126           | <b>Category of application:</b>             | parkings and bicycle paths  |
| <b>Energy efficiency class:</b>          | D             | <b>Beam angle [°]:</b>                      | 50000   |
| <b>Colour rendering index:</b>           | >80           | <b>Ring colour:</b>                         | grey  |
| <b>SDCM:</b>                             | ≤ 3           | <b>Gross weight [kg]:</b>                   | 2.100   |
| <b>Power factor:</b>                     | 0.97          | <b>Permeability factor of the diffuser:</b> | 0.80  |
| <b>LED lifespan L70B50 [h]:</b>          | 90000         | <b>ETIM class:</b>                          | EC000062  |
| <b>Surge protection [kV]:</b>            | 2             | <b>Photobiological safety:</b>              | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| <b>Diffuser material:</b>                | PC            | <b>ULOR:</b>                                | 0%  |
| <b>Diffuser type:</b>                    | transparent   | <b>Warranty [years]:</b>                    | 5   |
| <b>Diffuser colour:</b>                  | transparent   | <b>CE certificate:</b>                      | <a href="#">100/2023</a>  |
| <b>Optics material:</b>                  | PMMA          | <b>Manual:</b>                              | <a href="#">Download PDF</a>  |
|  |               | <b>Plik LDT:</b>                            |   |

## TECHNICAL DETAILS



MITRA LED



MITRA LED



MITRA LED

Card creation date: 16 December 2021

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 and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 100/2023