

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 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

Index:	956416	Mounting dimensions [mm]:	ø60
EAN:	5905963956416	Ingress protection:	IP66
Light source:	LED module	Mounting version:	on the pole
Nominal power [W]:	52	Working temperature [°C]:	from -15 to +35
Rated power of the luminaire [W]:	51.30	Diode size [mm]:	2835
Luminous flux [lm]:	5850	Dimensions of single box [mm]:	400/400/175
Luminous efficacy [lm/W]:	116	Net weight [kg]:	1.900
Energy efficiency class:	E	Warranty [years]:	5
Electrical protection class:	II	Category type:	Park and city lighting
Colour temperature [K]:	3000	Light distribution type:	G1
Color rendering index (Ra) >:	80	Category of application:	parkings and bicycle paths
SDCM:	3	Beam angle [°]:	50000
Power factor:	0.97	Gross weight [kg]:	1.900
LED lifespan L70B50 [h]:	90000	Permeability factor of the diffuser:	0.80
Surge protection [kV]:	2	ETIM class:	EC000062
Diffuser material:	PC	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Diffuser type:	frozen	ULOR:	0%
Diffuser colour:	transparent	Warranty [years]:	5
Material of the body:	PP+FG	CE certificate:	38/2024
Colour of the body:	grey	Manual:	Download PDF
Dimensions (H/W/T/S) [mm]:	398/398/175	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 and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 38/2024



Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl