

STREET AND RESIDENTIAL LIGHTING FIXTURE

MATRIX 03 LED



	EN IEC 60598	RoHS	IP66	IK08		-30°C÷+40°C	WARRANTY 5 years	MAX 47W LED
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General specifications

Product name	MATRIX 03 LED
Application area	Street lighting for main, local, and secondary roads, with lighting classes M4, ME5, ME6, S1–S6, in accordance with SR EN 13201. Residential lighting for alleys, sidewalks, parks, and pedestrian crossings. Parking areas, railway stations, bus stations, large public spaces, etc.
Advantages	– A modern lighting luminaire with LED light sources. – Low energy consumption. – Extended lifespan. – Environmentally friendly. – Ideal for replacing street lighting luminaires with compact fluorescent lamps, sodium lamps, or metal halide lamps. – Reduced maintenance costs. – No intervention required for light source replacement during operation.
Light source	High-efficiency LEDs
Color temperature	5700
Color rendering index (CRI)	≥70
Degree of protection against dust/water ingress	IP66
Degree of protection against mechanical impacts	IK08
Operating temperature range	-30°C...+40°C
Warranty	5 years

Electrical characteristics

Rated voltage	230 Vac
Surge protection	10 kV
Frequency (Hz)	50–60 Hz
Power factor	≥0,95
LED lifetime	100.000 hours

Technical characteristics

Construction structure	
Body	Aluminum with electrostatic powder coating
Diffuser	Transparent glass, UV-resistant
Color	Gray
Variants upon request	• Can be equipped with high-power LEDs with color temperature in the range 3000–6500K, CRI≥70/80. • Body painted in other colors from the RAL palette • Equipped with transparent polycarbonate diffuser, IK10

Mounting

- The pole-mounting system located at the end of the housing allows side-entry mounting on a spigot/pipe (Ø35–Ø40 mm).
- For mounting on a Ø48 mm side-entry bracket, the screws supplied as accessories in the product box must be installed.
- On request, mounting on a bracket or on top of the pole, Ø42–Ø60 mm, using an indexed spigot with vertically adjustable tilt angle of 0° ±90° (5°/10° steps).
- On request, mounting on a Ø40–Ø60 mm bracket using an adapter.
- Frontal wind exposed area: 0.080 m²;
- Lateral wind exposed area: 0.026 m².
- Recommended mounting height: 5–8 m.

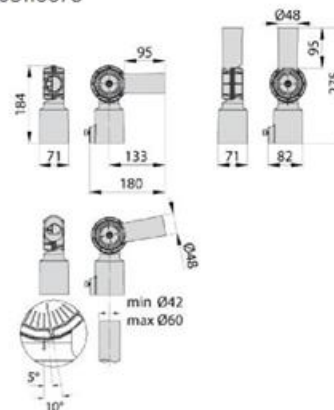
Standards and certifications

Standards	EN IEC 60598-1 EN IEC 60598-2-3
In compliance with European Directives	
– Electromagnetic Compatibility Directive	
– Low Voltage Directive	
– RoHS Directive, WEEE Directive	

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Tip produs	L [mm]	l [mm]	h [mm]	m [mm]
MATRIX 03 LED	419	192	64	Ø35 -Ø40mm Ø48mm with screws Ø42 -Ø60cu upon request - Indexing spigot Ø40 -Ø60cu upon request - Adaptor

Annex-product codes

Product type	Product code	Nominal voltage [V]	Active power [W]	Power factor	Protection degree	Insulation class	IK	Weight [Kg]	Total LED flux / net [lm]	Net luminous efficacy [lm/W]
MATRIX 03 LED 5600LM 47W 757 TP3	35618349	230	47	≥0.95	IP66	I	IK08	3.2	5600	119

TP3 = distribution dedicated for stree lighting.
740=4000K, CRI≥70.

The values are approximate and may be subject to change.

The tolerance of the initial flux and initial active power is ±10% of the specified value. These values are measured at an ambient temperature of 25°C unless another temperature is specified.

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