

# PRODUCT DATASHEET

## LDPFM SOLAR ST 50.00 W/4000 K

LED PERFORMANCE SOLAR STREETLIGHT | Streetlights



### Areas of application

- Streets
- Road lighting
- Rural areas, villages
- Parks
- Areas where no power supply is available

### Product benefits

- All-in-one design, no wiring required, flexible installation
- Extremely high system luminous efficacy 185 lm-W to maximize the battery performance
- Rotatable LED module, ensures the light to reach the target surface amply
- Grade A bifacial monocrystalline solar panel, higher sunlight absorbing efficiency than single-sided monocrystalline solar panel
- Adjustable install arm, multi-angle adjustment, make solar panel easy to apply to sunlight trajectory from different directions

### Product features

- System wattage 10 W, 20 W, 30 W, 40 W, 50 W and 60 W
- Battery technology: LiFePO4
- Battery overcharge, overdischarge, overheat and short circuit protections
- Available with and without motion sensor
- Meet ME4 road lighting class requirement thanks to professional optical design
- Intelligent controller, rainy day intelligent delay
- Automatically on-off according to brightness of daylight
- Type of protection: IP66



– Certificate: CB

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Protection class	III
Operating mode	Battery

Photometrical data

Luminous flux	9250 lm
Luminous efficacy	185 lm/W
Color temperature	4000 K
Light color (designation)	White
Color rendering index Ra	> 70
Standard deviation of color matching	< 5 sdcm
Beam angle	30 ° x 150 °

Dimensions & Weight

Length	1257.00 mm
Width	358.00 mm
Height	130.00 mm
Product weight	16500.00 g

LDPFM SOLAR ST 50W

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Aluminum
Cover material	Polycarbonate (PC)
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	0...+50 °C
Type of protection	IP66

Protection class IK (shock resistance)	IK07
Dimmable	No
Mounting type	Side entry
Mounting location	Pole
Application environment	Outdoor
Replaceable light source	No

## BATTERY


Battery size [GMS]	Others
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## Certificates & Standards

Replaceable light source (EPREL)	Not replaceable
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## DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LED PERFORMANCE SOLAR STREETLIGHT

Photometric and lighting design files	Document name
 IES file (IES)	LDPFM SOLAR ST 50W

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075563032	Shipping box 1	1,274 mm x 443 mm x 184 mm	18650.00 g	103.85 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.