

# PRODUCT DATASHEET

## LDPFM SOLAR ST 20.00 W/3000 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  | 20.00 W |
| Protection class | III     |
| Operating mode   | Battery |

Photometrical data

|                           |              |
|---------------------------|--------------|
| Luminous flux             | 3700 lm      |
| Luminous efficacy         | 185 lm/W     |
| Color temperature         | 3000 K       |
| Light color (designation) | White        |
| Color rendering index Ra  | > 70         |
| Beam angle                | 30 ° x 150 ° |

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 753.00 mm  |
| Width          | 358.00 mm  |
| Height         | 130.00 mm  |
| Product weight | 10900.00 g |

LDPFM SOLAR ST 20W

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         |

### Sensor

|                |        |
|----------------|--------|
| Type of sensor | Motion |
|----------------|--------|

### BATTERY


|                    |        |
|--------------------|--------|
| Battery size [GMS] | Others |
|--------------------|--------|

### Certificates & Standards

|                                  |                 |
|----------------------------------|-----------------|
| Replaceable light source (EPREL) | Not replaceable |
|----------------------------------|-----------------|

### 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 20W |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075563124 | Shipping box<br>1            | 805 mm x 443 mm x 184 mm             | 12063.00 g   | 65.62 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.