LuXLuminaire Lighting solutions
A MIR GROUP COMPANY

**PRODUCT DATASHEET**
**LS-M-144S-80 / 205-96**
REV. 2026-11-12



SOLAR STREET LIGHTS · ALL-IN-TWO SOLAR STREET LIGHTS

# All-in-Two Solar Street Light 80W · 11200 lm

Separate panel and luminaire for higher outputs and better panel orientation at high latitudes.

| | | | |
|---|---|---|---|
| POWER **80 W** | LUMINOUS FLUX **11200 lm** | EFFICACY **140 lm/W** | SOLAR PANEL **205 Wp mono** |
| BATTERY **96 Ah** | INGRESS **IP65** | IMPACT **IK09** | COLOUR TEMP. **6500 K** |

**Applications** Roads & highways · Rural & village roads · Off-grid & remote sites

## Product summary

| | | | |
|---|---|---|---|
| **Product Code** | LS-M-144S-80 / 205-96 | **Luminaire Power** | 80 W |
| **Luminous Flux** | 11200 lm | **Solar Panel Power** | 205 Wp monocrystalline PERC |
| **LED Brands** | 3030 SMD LED | **Driver** | ENEC-certified LED drivers |
| **Charge Controller** | 10 A MPPT | **Standards Compliance** | EN 60598-2-3, LM-80, TM-21 |

*Production can be tailored to special demands.*

LuxLuminaire · Mir Group · info01@mirgrp.com · solarstreetlighting.net
Head office: Macun Mahallesi, Batı Bulvarı, ATB İş Merkezi No: 192, Yenimahalle, Ankara, Türkiye · +90 532 711 21 85
Uzbekistan Office: Sharof Rashidov Avenue, 72, 2, Yunusobod District, Tashkent 100128, Uzbekistan · +998 99 424 51 14

## Technical specifications

### SOLAR ENERGY SYSTEM SPECIFICATIONS

| | |
|---|---|
| **Solar Panel Power** | 205 Wp monocrystalline PERC |
| **Solar Panel Life Span** | 25 years |
| **System Voltage** | 12.8 V DC |
| **Charge Controller** | 10 A MPPT |
| **Battery Type** | 32700 LiFePO4 |
| **Battery Capacity** | 96 Ah, 1228.8 Wh |
| **Battery Life Span** | 3000 cycles with 80% discharge |

### MECHANICAL & DIMENSIONS

| | |
|---|---|
| **Housing** | Aluminium |
| **IP Rating** | IP65 |
| **IK Rating** | IK09 |
| **RAL Code** | 7016 |
| **Console Entry** | 60 mm Max. |
| **Operating Temperature** | -30°C / +50°C |
| **Energy and Luminaire Dimensions** | 1490 × 680 × 130 mm / 285 × 660 × 165 mm |
| **Luminaire Weight** | 33.0 kg |
| **Packing Dimensions & Weight** | 1500 × 690 × 150 mm / 35.0 kg |

### ELECTRICAL SPECIFICATIONS

| | |
|---|---|
| **Luminaire Power** | 80 W |
| **Efficacy (lm/W)** | 140 lm/W |
| **Luminous Flux** | 11200 lm |
| **Light Source** | 3030 LED |
| **Driver Type** | ENEC-certified LED driver |
| **Motion Sensor** | Yes / Microwave |
| **Class** | III |

### OPTICAL SPECIFICATIONS

| | |
|---|---|
| **Light Distribution** | Asymmetric |
| **Diffuser** | 4 mm Tempered glass |
| **Colour Temperature (CCT)** | 6500 K |
| **CRI** | >70 |

### OPTIONS

✓ Step Dim | ✓ RAL Code | ✓ Autonomous Time | ✓ Colour Temperature: 3000 K / 4000 K / 5000 K / 5700 K | ✓ CRI: > 80 | ✓ Remote Control: Wi-Fi

## Standards & certifications

TSE | CE | EAC | ENEC | EMC | IP65 | IK09 | Class III

Standards compliance: EN 60598-2-3, LM-80, TM-21

Full product page and quotation request: **https://solarstreetlighting.net/en/products/solar-street-lights/all-in-two/all-in-two-solar-road-and-street-luminaire-80w-11200-lm/**