LuXLuminaire Lighting solutions
A MIR GROUP COMPANY

PRODUCT DATASHEET
LS-MZ-144S-2X30 / 80-36
REV. 2026-11-12



SOLAR STREET LIGHTS · ALL-IN-ONE SOLAR STREET LIGHTS

All-in-One Solar Street Light 2×30W · 10800 lm

Panel, battery, controller and LED engine in one housing. Mount it on a pole and it works the same day.

POWER **2 × 30 W**	LUMINOUS FLUX **2 × 5400 lm / Total 10800 lm**	EFFICACY **180 lm/W**	SOLAR PANEL **80 Wp mono**
BATTERY **36 Ah**	INGRESS **IP65**	IMPACT **IK09**	COLOUR TEMP. **6500 K**

Applications Rural & village roads · Parks & pathways · Off-grid & remote sites

Product summary

Product Code	LS-MZ-144S-2×30 / 80-36	**Luminaire Power**	2 × 30 W
Luminous Flux	2 × 5400 lm / Total 10800 lm	**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.

Technical specifications

SOLAR ENERGY SYSTEM SPECIFICATIONS

Solar Panel Power	80 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	36 Ah, 460.8 Wh
Battery Life Span	3000 cycles with 80% discharge

MECHANICAL & DIMENSIONS

Housing	Aluminium
IP Rating	IP65
IK Rating	IK09
RAL Code	9006
Console Entry	76 mm
Operating Temperature	-30°C / +50°C
Luminaire Dimensions	350 × 1220 × 100 mm
Luminaire Weight	23.0 kg
Packing Dimensions & Weight	360 × 1230 × 110 mm / 24.0 kg

ELECTRICAL SPECIFICATIONS

Luminaire Power	2 × 30 W
Efficacy (lm/W)	180 lm/W
Luminous Flux	10800 lm
Light Source	3030 LED
Driver Type	ENEC-certified LED driver
Motion Sensor	Yes / Microwave
Class	III

OPTICAL SPECIFICATIONS

Light Distribution	Asymmetric
Diffuser	PMMA optic
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-one/all-in-one-solar-road-and-street-luminaire-2×30w-10800-lm/**