MESTAR

LED SOLAR STREET LIGHT

We reserve the right to make technical and design changes. *Date: 01/11/2023*

THIEN MINH MECHANICAL - ELECTRIC JSC
Head office: MESTAR Building, No. 98/11 Ung Van Khiem Street, Ward 25, Binh Thanh District, Ho Chi Minh City, Vietnam.
Tel: (84) 28.3899 4790 - Email: mestar@mestar.vn - Web: www.mestar.vn

FLUX

MODEL: MS8SFLSLS6-40W

Introduction

Flux is the surface luminaire for outdoor use. The manufacture process is extremely strict, high quality output with CE, ROSH certified. Its excellent light brings comfort and good experience to the users.

Feature

- Housing high-strength aluminium alloy with anti-corrosion powder coating.
- Housing with high anti-corrosion paint in the near-sea environment (optional).
- Solar panels, led sources, controller, battery, human body induction, and housing.
- Adjustable angle mounting bracket, suitable for a variety of modeling lamp pole installation methods.
- Smart remote control, equipped with drone remote control, ultra-long remote control distance of 30 meters, can pass through obstacles, and can set four lighting modes at will.
- Integrated sensor, magnet swith, indicators for all status.
- LifePO4 battery, battery cycles more than 2000 times.
- Battery power indicators 100%-75%-50%-25% (red/blue/green).
- High efficiency LED 170lm/W.
- Beam angle type II.
- Corlor temperature: 2700K/3000K/4000K/5000K/5700K/6500K.
- Warranty 3 years.

Application area

- Applied to park, street, community areas, etc.

Mounting type

- Surface mounting.

Approval and marking

IP65 IK10

Feature

NON Dimmable

Beam angle

TYPE II

Color temperature

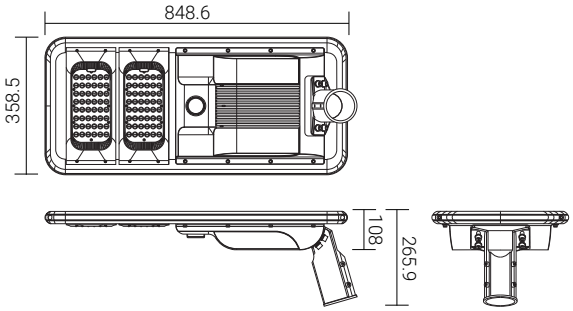
Single

2700K 3000K 4000K 5000K 5700K 6500K

Product color

Grey (GR)

Dimension (mm):



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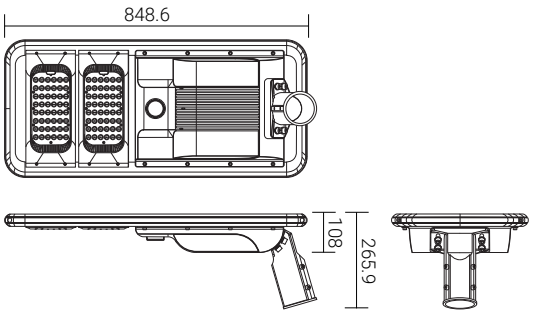
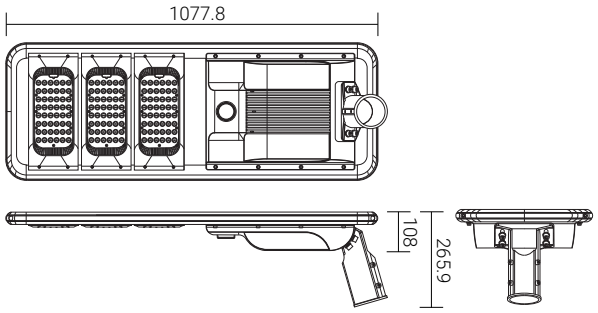
FLUX

Variant

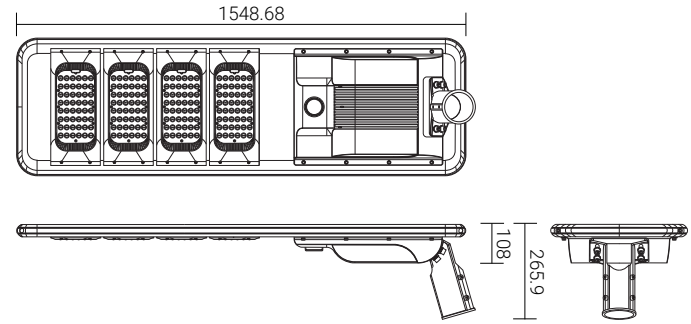
MS8SFLSLS6-40W



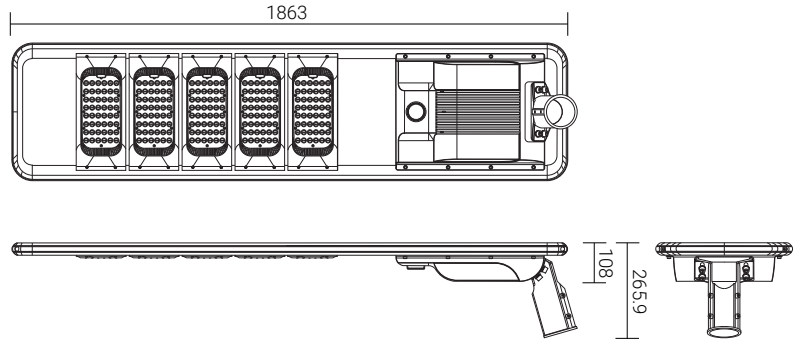
MS8SFLSLS6-50W/60W



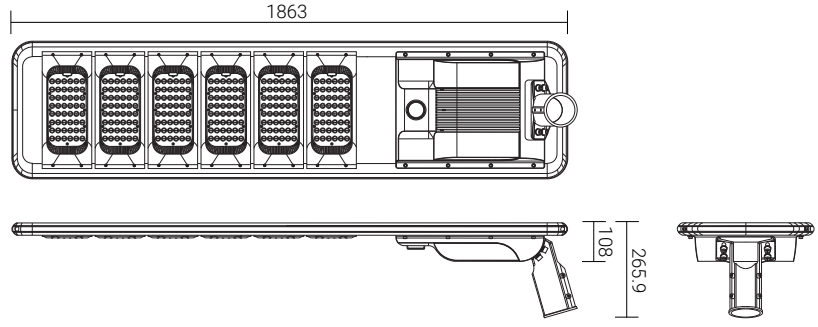
MS8SFLSLS6-80W



MS8SFLSLS6-100W



MS8SFLSLS6-120W



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FLUX

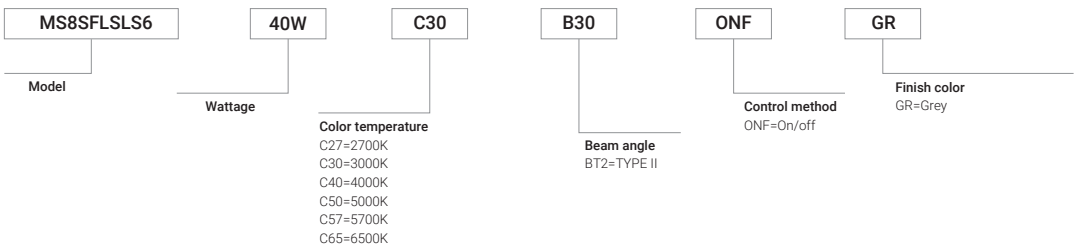
Specification

Model	MS8SFLSLS6-40W	MS8SFLSLS6-50W	MS8SFLSLS6-60W
Led brand	LED SMD LUMILEDS	LED SMD LUMILEDS	LED SMD LUMILEDS
Rated power	40W	50W	60W
Luminous flux	3910lm	5100lm	6120lm
Luminous efficacy	170lm/W	170lm/W	170lm/W
Battery	LiFePO4 12.8V 28AH	LiFePO4 12.8V 36AH	LiFePO412.8V 42AH
Charge time	6-8 hours	6-8 hours	6-8 hours
Working time	12-15 hours, 10-12 cloudy/rainy days	12-15 hours, 10-12 cloudy/rainy days	12-15 hours, 10-12 cloudy/rainy days
Color temperature	2700K/3000K/4000K/5000K/5700K/6500K	2700K/3000K/4000K/5000K/5700K/6500K	2700K/3000K/4000K/5000K/5700K/6500K
Beam angle	TYPE II	TYPE II	TYPE II
Control method	On/off	On/off	On/off
Protection grade	IP65	IP65	IP65
IK rating	IK10	IK10	IK10
Operating temperature	-25°C~65C	-25°C~65C	-25°C~65C
Product life	50000 hours	50000 hours	50000 hours

Specification

Model	MS8SFLSLS6-80W	MS8SFLSLS6-100W	MS8SFLSLS6-120W
Led brand	LED SMD LUMILEDS	LED SMD LUMILEDS	LED SMD LUMILEDS
Rated power	80W	100W	120W
Luminous flux	8480lm	11900lm	12750lm
Luminous efficacy	170lm/W	170lm/W	170lm/W
Battery	LiFePO4 12.8V 57AH	LiFePO4 12.8V 63AH	LiFePO4 12.8V 72AH
Charge time	6-8 hours	6-8 hours	6-8 hours
Working time	12-15 hours, 10-12 cloudy/rainy days	12-15 hours, 10-12 cloudy/rainy days	12-15 hours, 10-12 cloudy/rainy days
Color temperature	2700K/3000K/4000K/5000K/5700K/6500K	2700K/3000K/4000K/5000K/5700K/6500K	2700K/3000K/4000K/5000K/5700K/6500K
Beam angle	TYPE II	TYPE II	TYPE II
Control method	On/off	On/off	On/off
Protection grade	IP65	IP65	IP65
IK rating	IK10	IK10	IK10
Operating temperature	-25°C~65C	-25°C~65C	-25°C~65C
Product life	50000 hours	50000 hours	50000 hours

Typical order example



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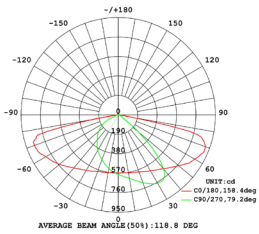
Photometric data

TYPE II



Controller

1. Magnet power switch
Before mounted on the pole, tale away magnet iron sheet.

2. Battery power indicators
The 4 blue LEDS in the upper row represent battery power
1 indicator on: 25 % power
2 indicator on: 25%-50% power
3 indicator on 50%-75% power
4 indicator on 75%-100% power

3. Status indicators LEDS

Indicator light	Status	Indicator light description
❶Yellow (motion sensor)	On	Movement detected
	Off	Without movement detected
❷Green (LED)	On	LED with output: light on
	Off	LED without output: light off
	Flicker	LED short circuit
❸Blue (battery)	On	Battery power enough for work
	Off	Battery without output
	Flicker	Battery undervoltage
❹Red (solar panel)	On	Battery charged to full power
	Off	Solar panel without output (at night)
	Flicker	Solar panel is charging the battery
❺Red & green & blue	Cycle light on in sequence	Battery cable plugged in backwards, poor battery connection contact, faulty battery, no battery connected

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