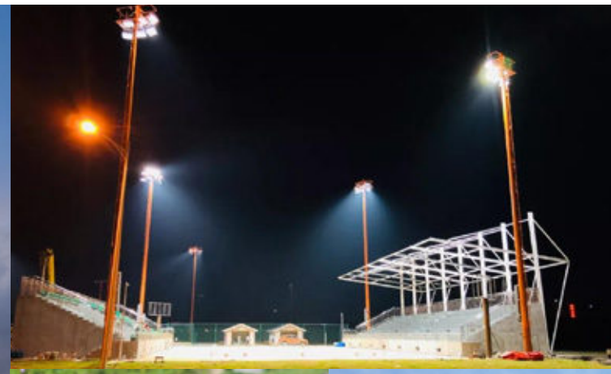
SUNMASTER

More
+Power
Less Expense









FLOOD LIGHT

VARIOUS TYPES AVAILABLEVARIOUS TYPES

SunMaster Solar Co., Ltd SunMaster Solar Co.,Ltd
Add: No. 2819, Haitang East Road, Jinhua Zhejiang China

Europe Branch:
Via AngeloMoro 61, San Donato Milanese, Italy

Mob: +86 139 6796 1680
Whats APP: +86 139 6796 1680

Mob: +39 348 350 4129

Web: www.chinasunmaster.com
Mail: info@chinasunmaster.com

Mail: export@chinasunmaster.com

www.chinasunmaster.com



A TOP-Brand Solar Light Manufactuer

SunMaster Solar is a Sino Italy-China Enterprise, focus in manufacturing solar light ,solar panel, solar application product since 2006 based in Jinhua China.SunMaster covers total 35,000m² factory and branch offices in Italy and Egypt.

As result of high quality products and outstanding customer service,we have gained a global sales worldwide 140+ countries.

Quality
Raw materials

30+
Technology Patents

140+
Destination Countries

50+
Global Partners

Strong
R&D Team

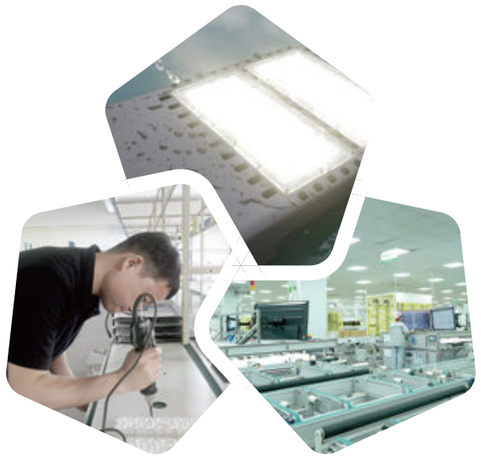
8000+
Solar Light Produce Monthly

35000+ m²
Workshop

ISO9001
Authoritative certification

Company **Overview**

It's a company specialized in supply solar streetlighting , off-grid PV solutions , solar garden lights , wind& solar hybrid lights , small and medium solargenerating systems, solar home lighting and etc.



What SunMaster Technology offer :

Pre-sales services

- Free customized design of optimum solar system
- Free Dialux simulation drawing
- Free consultation and design lighting solutions

After-sales services

- Offer detail installation instruction and documentation
- Offer training and test & commissioning
- Long-life technology support and warranty



Advantage

Flood Light Flood Light

Our product can be connected to solar or mains power, street lights are simple and beautiful, easy toinstall and maintain, and have a wide range of applications.

Quality assuranceQuality assurance

LED solar streetlightLED solar streetlight

Stand- alone product: no electricity bill, no grid connection. Up to 30% fewer poles compared to other solar street lights.

Connected productConnected product

Bluetooth enabled for product registration, remote monitoring, troubleshooting, and lighting profile management.

Versatile and powerful lightingVersatile and powerful lighting

Lumens output of 1600 to 6400. Complies with street lighting standards. Comply with street lighting standards.

Very long lifetimeVery long lifetime

Innovative high heat resistance lithium battery advances natural cooling & itelligent lighting management.

Tiltable LED opticsTiltable LED optics

Tilt from 0 and 30° with 10° steps to match local lighting requirements.

SolutionSolution

Plug & play for easy istallation in a few minutes. Completely autonomous solution, easy to move at a later date (e.g. construction, natural disasters, public events).

Motion sensor optionMotion sensor option

Increases light intensity automatically when movement is detected to ensure security and energy conservation.

These features are backed by SunMaster presence and expertise in, solution integration, aftersales service and support to ensure confidence and peace of mind for our customers.

SunMaster Solar Flood Light

Thank you for using sunmaster SOLAR flood light.

The design of Solar LED Light is the latest designed product combining solar and battery, which includes battery technology. Controller and battery are built-in the light head and the customer only need to connect light head to solar panel via MC4 plug which is the standard connection of solar panels.



Product **Description**

1. Aluminum housing for good heat dissipation and safe,.
2. High brightness, low heat,energy saving and power saving.
3. 2835 LIGHT SOURCE,Moisture-proof and waterproof LED lamp beads with high quality.
4. Super long life span up to 50,000hours.
5. WATERPROOF RATING IP67,rain and lightning protection function.

Power:50W-500W,up to 1000W replacement



LED High Mast Light/Stadium Light

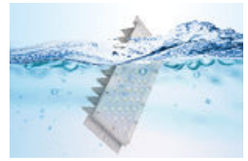
BRIGHTA SERIES

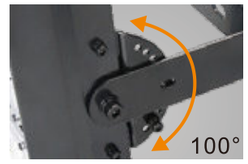
Product **Details**

IP67 Module/IP66 Whole Lamp

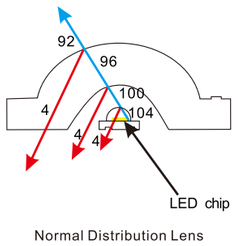




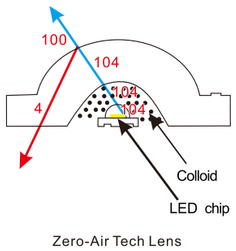




High **Efficiency**



Normal Distribution Lens



Zero-Air Tech Lens



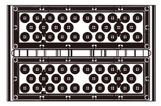
Adoption of Lepower developed "Adapable Collid Tech" to achieve "Zero air" spacebetween LED and Lens, make up the loss oflight reflected. Light transmittance >98%

Technical **parameter**

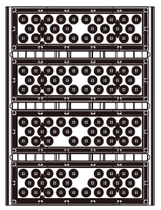
50W



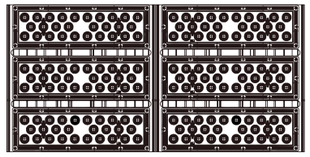
100W



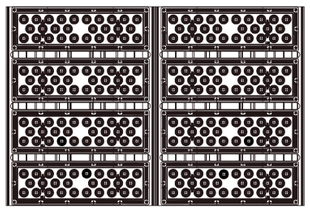
200W



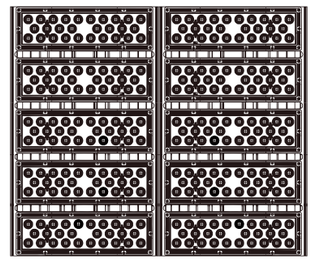
300W



400W



500W



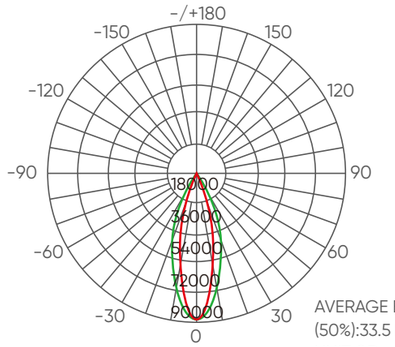
Technical **parameter**

Model	SMBS 50W	SMBS 100W	SMBS 200W	SMBS 300W	SMBS 400W	SMBS 500W
Battery	3.2V/6Ah	3.2V/12Ah	3.2V/24Ah	3.2V/36Ah	3.2V/48Ah	3.2V/60Ah
Panel	6V/12W	6V/24W	6V/48W	6V/72W	6V/96W	6V/120W
Lamp set	1 pcs	2 pcs	4 pcs	6 pcs	8 pcs	10 pcs
LEDs	SMD5050					
Discharge time	18 hours					
Product function	Remote control+Optical control					
Configuration	Waterproof cable/U-frame/remote control/screws					

Photometry

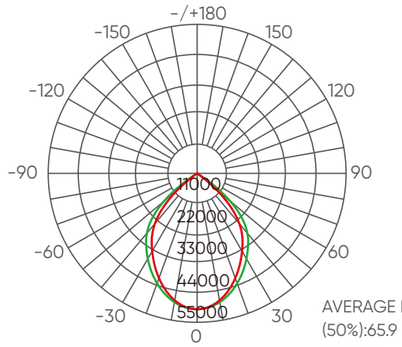
170LM/W Version Photometry

30degree



AVERAGE BEAM ANGLE
(50%):33.5 DEG
UNIT:CD
— C0/180,33.5deg
— C90/270,33.4deg

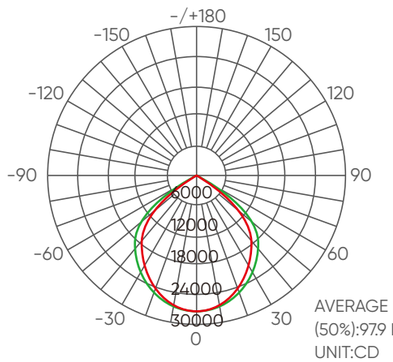
60degree



AVERAGE BEAM ANGLE
(50%):65.9 DEG
UNIT:CD
— C0/180,66.0deg
— C90/270,65.8deg

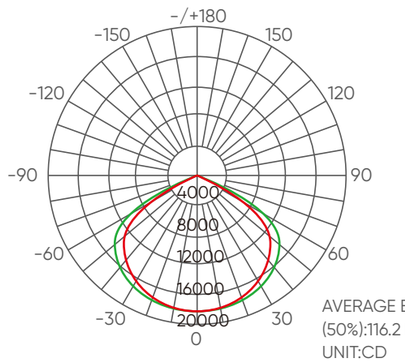
All published luminaire luminosity tests conducted by NVLAP accredited laboratories in accordance with IESNALM-79-08 standards.

90degree



AVERAGE BEAM ANGLE
(50%):97.9 DEG
UNIT:CD
— C0/180,92.6deg
— C90/270,103.3deg

120degree



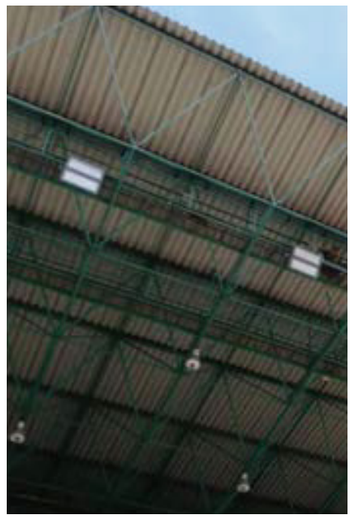
AVERAGE BEAM ANGLE
(50%):116.2 DEG
UNIT:CD
— C0/180,115.7deg
— C90/270,116.6deg

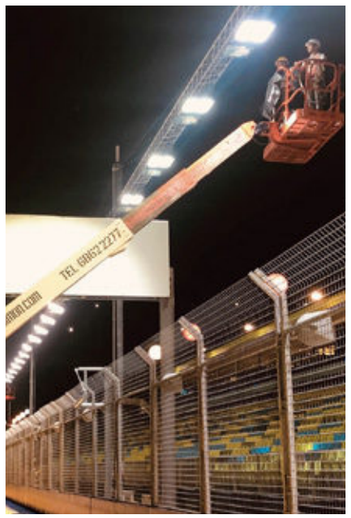
All published luminaire luminosity tests conducted by NVLAP accredited laboratories in accordance with IESNALM-79-08 standards.

Application **Scenario**

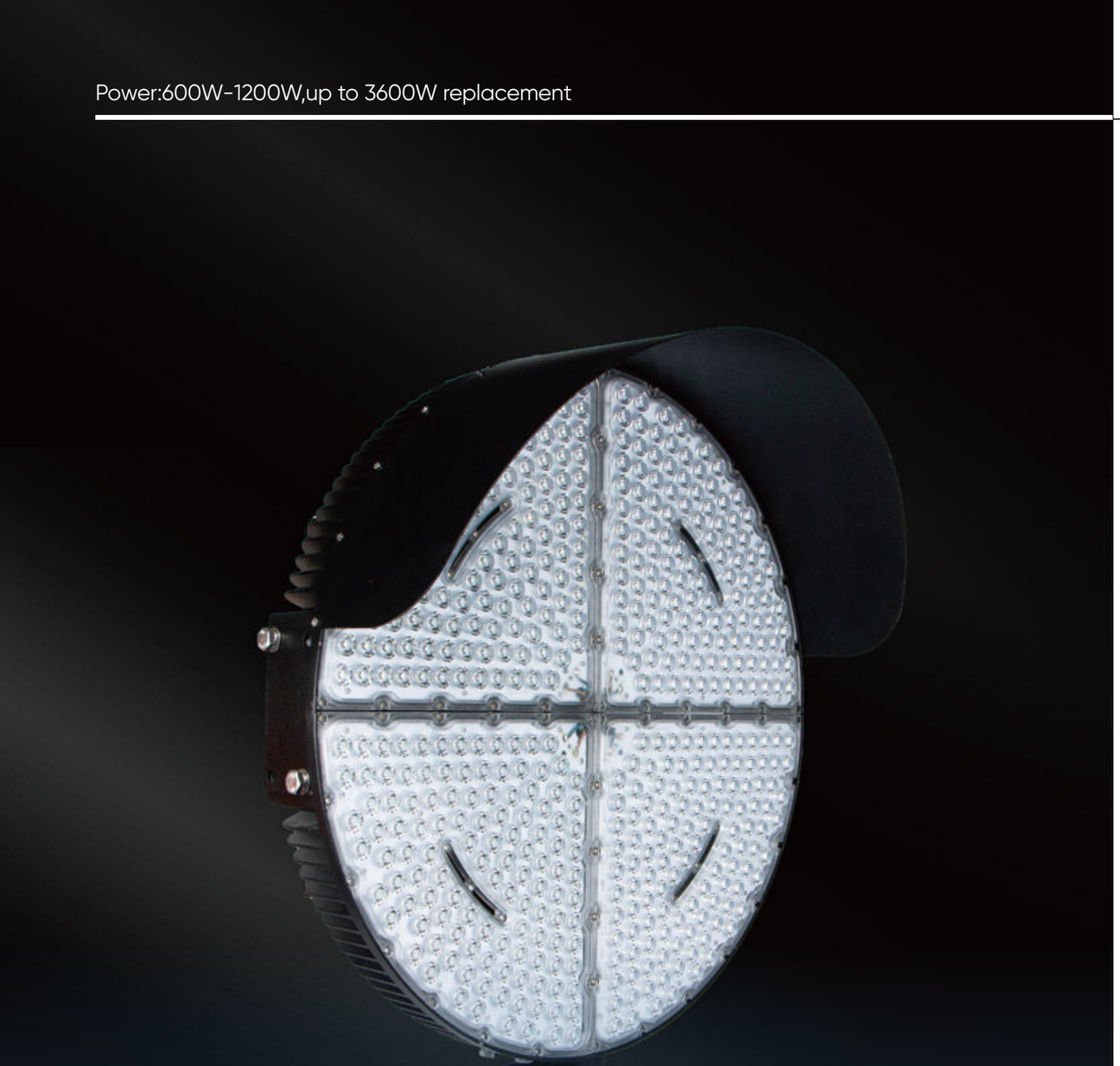








Power:600W-1200W,up to 3600W replacement



LED High Mast Light/Stadium Light

LUNA SERIES

Luna Series

Specification

- oFS series is designed for exterior sports lighting , a superior highoutput, high efficiency LED floodlight, featuring a unique opticaldesign that virtually eliminatesglare with minimalimpact on per.formance It is available in a variety of flood distributions for lighting applications such as largeareas, port and rail centers, exterior sports

Electrical

- Heavy duty die-cast aluminumhousing
- Driver compartment can beeither installed onto or separatedfrom the light fixture
- Light engine is thermally isolated from driver component
- UV stabilized polyester powderpaint fnish
- Horizontal and vertical aiming

Optical/Electricity

- Four distributions to maximizeperformance:15°,30°,60°, 90°
- -40C-50C operating temprange
- 20KV surge protection devicestandard
- 1-10V dimming driver standard
- 100-277V operation 50/60HZstandard,200-480V 50/60HZoptional

Adjustable Support

- Vertical and horizontal angleindicator available

Unify Glare Levels

- Glare has always been a con-cern with LED products and ithas got increasingly more atten-tion with higher output fixturesThe standard low glare shieldblocks lights outside of the mainbeam, so from other viewingangles the fixture virtually disappears.The low glare shields arealso designed to have minimumimpact on the total light output

Finish

- Rugged, weather-tight designand 3G Vibration ratings ensuredurability even in harsh environments

LED

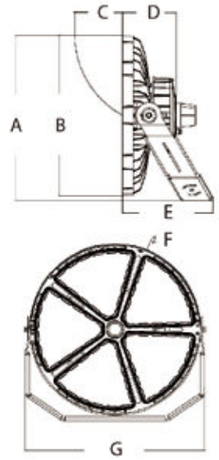
- Modular optical assembliesenable 3 unique performancepackages
- 50K lumens, 300Watts
- 60K lumens, 400Watts
- 70K lumens,460Watts
- 3000K,4000K,5000K,5700K6500K CCT
- Minimum CRI of 70, 80 and 90optional

Certificate

Authentication · ISO 9001 · CE · RoHS · UL · CEC · LM-79 · SAA · TÜV · ENEC



FIXTURE DIMENSIONS



A	B	C	D
57.3cm/23"	ϕ55.4cm/22"	16.5cm/6"	18.6cm/7"
E	F	G	
31.3cm/12"	55.6cm/22"	58.1cm/23"	

Ordering Information

SUNMASTER - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

WATTS	VOLTAGE	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	HOUSING
200W	NV=100-277V	00=WITHOUT SENSOR	3070=3000K 70CRI	30D=30DEG	BK=BLACK
240W	HV=347V/480V	DV=DIMMABLE	4070=4000K 70CRI	60D=60DEG	WH=WHITE
280W			5070=5000K 70CRI	90100D=90X100DEG	
320W			5770=5700K 70CRI	120D=120DEG	
360W			3080=3000K 80CRI		
400W			4080=4000K 80CRI		
			5080=5000K 80CR		

SUNMASTER

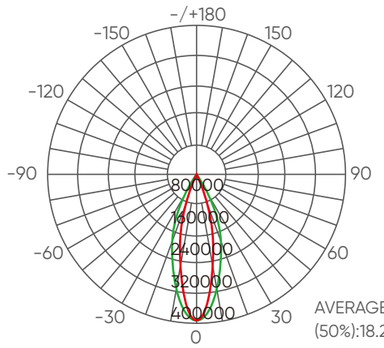
Technical **parameter**

Model	SMLS 600W	SMLS 1200W
Battery	3.2V/16Ah	3.2V/32Ah
Panel	6V/48W	6V/96W
Bead quantity	240 pcs	480 pcs
LEDs	SMD5040	
Discharge time	18 hours	
Product function	Remote control+Optical control	
Configuration	Waterproof cable/U-frame/remote control/screws	

Photometry

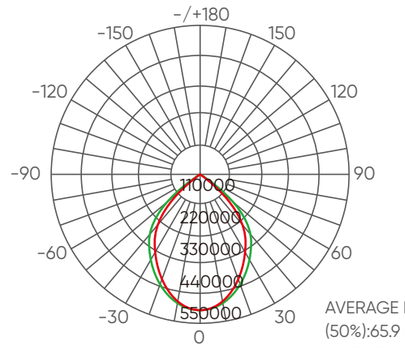
170LM/W Version Photometry

18degree



AVERAGE BEAM ANGLE (50%):18.2 DEG
UNIT:CD
— C0/180,33.5deg
— C90/270,33.4deg

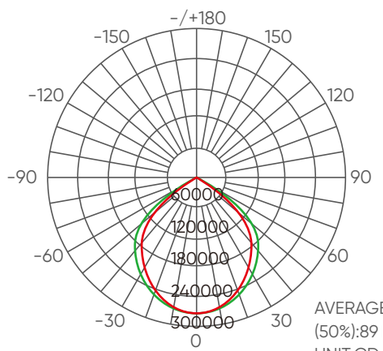
60degree



AVERAGE BEAM ANGLE (50%):65.9 DEG
UNIT:CD
— C0/180,66.0deg
— C90/270,65.8deg

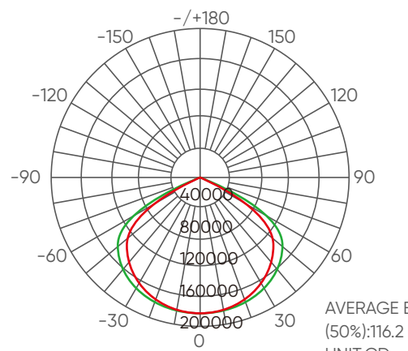
All published luminaire luminosity tests conducted by NVLAP accredited laboratories in accordance with IESNALM-79-08 standards.

90degree



AVERAGE BEAM ANGLE (50%):89 DEG
UNIT:CD
— C0/180,92.6deg
— C90/270,103.3deg

120degree



AVERAGE BEAM ANGLE (50%):116.2 DEG
UNIT:CD
— C0/180,115.7deg
— C90/270,116.6deg

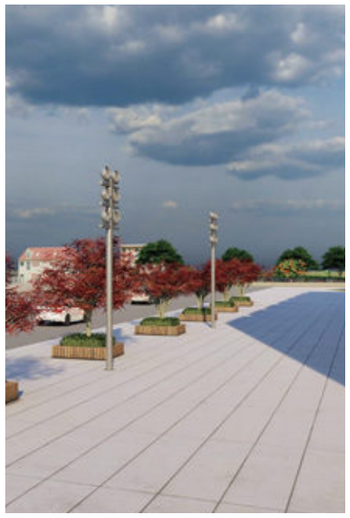
All published luminaire luminosity tests conducted by NVLAP accredited laboratories in accordance with IESNALM-79-08 standards.

Application **Scenario**









Power:100W-480W,up to 1440W replacement



LED High Mast Light/Stadium Light

SPARKLE SERIES



Construction

- Rugged low-profile die-cast aluminum housing.
- UV stabilized polyester powder paint finish for durability and carrosion resistance.
- Suitable for outdoor High Mast, Stadium, Express Way applications
- Individual bar design, easy for maintenance and replacement.

Electrical

- RPower range: 100W/ 200W / 300W/ 480W
- 1-lOV/ PMW/Timer dimming, 3 Timer Modes, Dim-to-Off with Standby Power≤0.5W
- High-performance driver featu res over-voltage, under voltage, short-circuit and over temperature protection.
- Standard Universal Voltage: 100-277Vac, I nu put 50-60Hz. 200-480V as option.
- Total harmonic distortion: <20%
- Operating temperature: -40°c to+ 50°c (-104°F to 122°F)
- Power factor> 0.9

Optical System

- Precision engineered individual lenses made of optical grade Mitsubishi polycarbonate for maximum light intensity.
- Symmetrical distribution directs uniform light output through a specially deisgned optic len.
- Optical systems maintain an IP65 rating.
- Available in 3000K, 4000K, SOOOK, 5700K, 6500K CCT.
- Efficacy 1701m/w, higher lumen output, precision light pattern ensure more energy saved.
- Minimum CRI of 70, 80, and 90 optional.

Listingsi Certificates

- SUNMASTER is eries LED light have been tested by UL authorized lab in accordance with IESNA LM-79 & LM-80.
- Listed to UL 1598 and UL 8750, UL File number: E364473.
- DLC Premium qualified, eligible for rebates.
- Suitable for wet locations.
- TUV GS CE RoHS Compliant

Certificate

Authentication ISO 9001 CE RoHS UL CQC LM-79 SAA TUV

Ordering Information

SUNMASTER	-		-		-		-		-		-
WATTS		VOLTAGE		TYPE OF SENSOR		CCT&CRI		DISTRIBUTION		HOUSING	
200W		NV=100-277V		00=WITHOUT SENSOR		3070=3000K 70CRI		30D=30DEG		BK=BLACK	
240W		HV=347V/480V		DV=DIMMABLE		4070=4000K 70CRI		60D=60DEG		WH=WHITE	
280W						5070=5000K 70CRI		90100D=90X100DEG			
320W						5770=5700K 70CRI		120D=120DEG			
360W						3080=3000K 80CRI					
400W						4080=4000K 80CRI					
						5080=5000K 80CR					

SUNMASTER

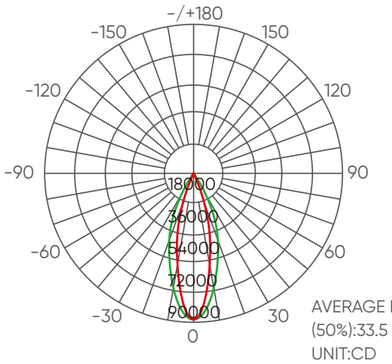
Technical **parameter**

Model	SMSS 100W	SMSS 200W	SMSS 300W	SMSS 480W
Battery	3.2V/6Ah	3.2V/12Ah	3.2V/18Ah	3.2V/24Ah
Panel	6V/12W	6V/15W	6V/25W	6V/35W
Bead quantity	3 pcs	3 pcs	3 pcs	3 pcs
LEDs	SMD5040			
Discharge time	18 hours			
Product function	Remote control+Optical control			
Configuration	Waterproof cable/U-frame/remote control/screws			

Photometry

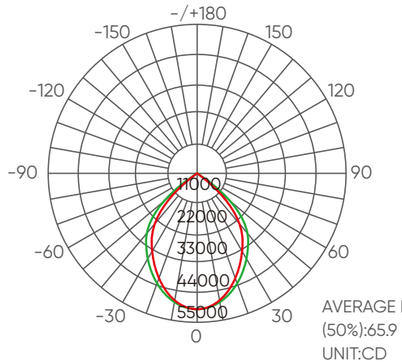
170LM/W Version Photometry

30degree



AVERAGE BEAM ANGLE
(50%):33.5 DEG
UNIT:CD
— C0/180,33.5deg
— C90/270,33.4deg

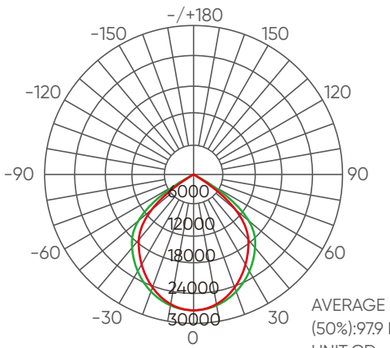
60degree



AVERAGE BEAM ANGLE
(50%):65.9 DEG
UNIT:CD
— C0/180,66.0deg
— C90/270,65.8deg

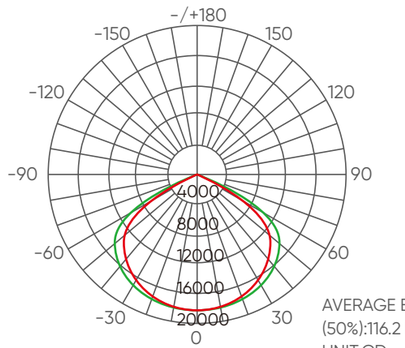
All published luminaire luminosity tests conducted by NVLAP accredited laboratories in accordance with IESNALM-79-08 standards.

90degree



AVERAGE BEAM ANGLE
(50%):97.9 DEG
UNIT:CD
— C0/180,92.6deg
— C90/270,103.3deg

120degree



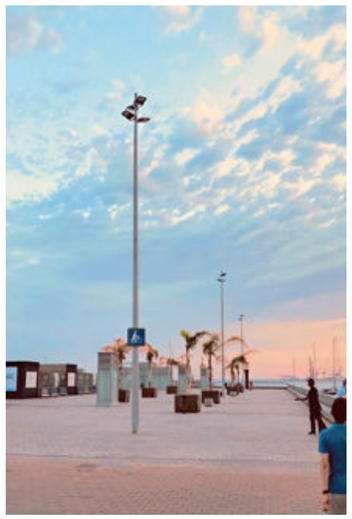
AVERAGE BEAM ANGLE
(50%):116.2 DEG
UNIT:CD
— C0/180,115.7deg
— C90/270,116.6deg

All published luminaire luminosity tests conducted by NVLAP accredited laboratories in accordance with IESNALM-79-08 standards.

Application **Scenario**







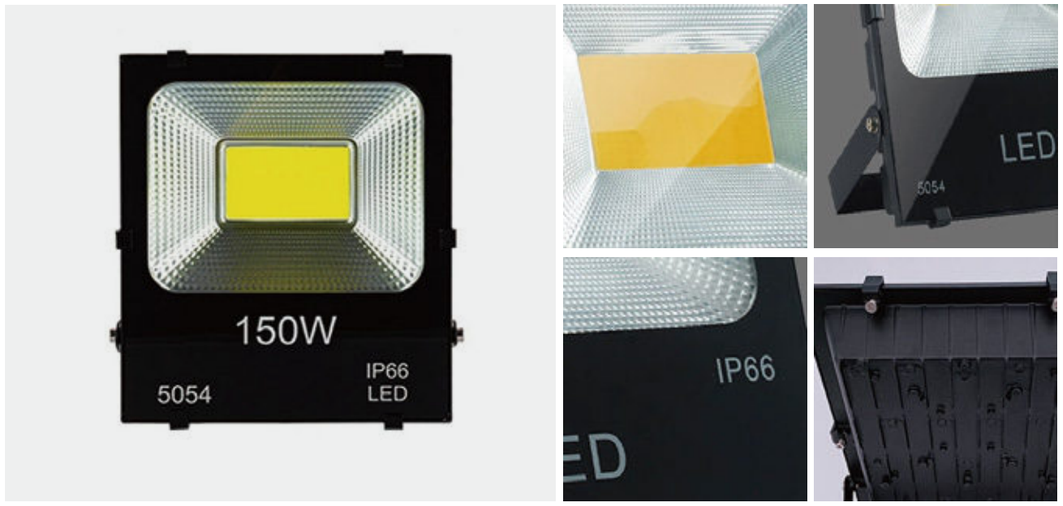




Power:25W-800W,up to 1600W replacement

Simple style/Easy installation

ECONOMY SERIES



Style 1

Technical **parameter**

Model	SMES1-50W	SMES1-100W	SMES1-150W	SMES1-200W	SMFL2-300W
Power	50W	100W	150W	200W	300W
Voltage	85-305V AC 50HZ-60HZ				
Angle	30°/60°/90°/120°/ type II type III				
Color of lamp	Black / Silver				
PF	>0.95				
IP Rate	IP65				
CCT	2700-6500K				
LEDs	1PCS SMD5054				

Authentication

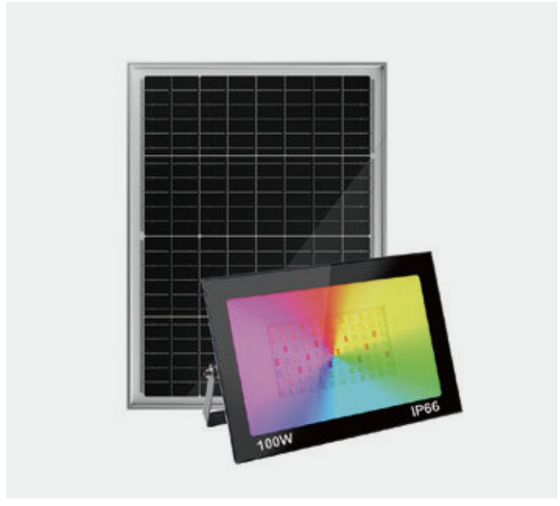


Style 2

Technical **parameter**

Model	SMES2 25W	SMES2 40W	SMES2 60W	SMES2 120W	SMES2 200W	SMES2 300W
Battery	3.2V/6Ah	3.2V/12Ah	3.2V/18Ah	3.2V/24Ah	3.2V/30Ah	3.2V/48Ah
Panel	6V/12W	6V/15W	6V/25W	6V/35W	6V/40W	6V/50W
Bead quantity	13 pcs	39 pcs	65 pcs	130 pcs	260 pcs	520 pcs
LEDs	SMD2835					
Discharge time	18 hours					
Product function	Remote control+Optical control					
Configuration	Waterproof cable/U-frame/remote control/screws					

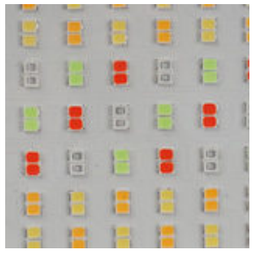
Authentication











Style 3

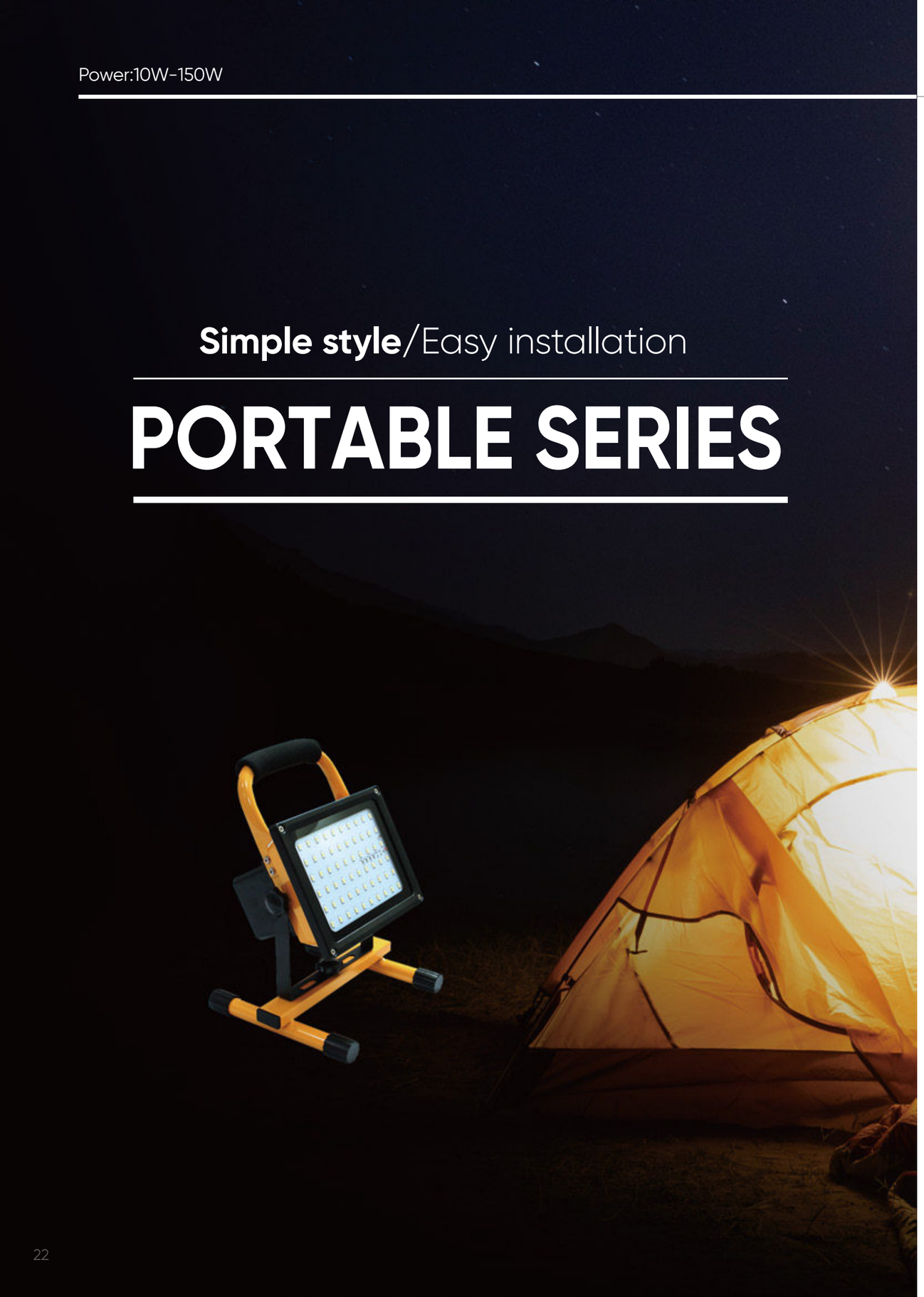
Technical **parameter**

Model	SMES3 100W	SMES3 200W	SMES3 300W	SMES3 500W	SMES3 800W
Battery	3.2V/6Ah	3.2V/12Ah	3.2V/18Ah	3.2V/24Ah	3.2V/48Ah
Panel	6V/12W	6V/15W	6V/25W	6V/35W	6V/50W
Bead quantity	39 pcs	50 pcs	72 pcs	95 pcs	120 pcs
LEDs	5054RGB				
Discharge time	18 hours				
Product function	Remote control+Optical control				
Configuration	Waterproof cable/U-frame/remote control/screws				

Authentication

Simple style/Easy installation

PORTABLE SERIES



Style 1

Technical **parameter**

Model	SMPS1 10W	SMPS1 30W	SMPS1 50W
Luminous Angle	120°		
Charger data	AC110-240V DC5V ~ 500mA	AC110-240V DC8.4V ~ 500mA	AC110-240V DC8.4V ~ 500mA
Lighting time	3 hours	4 hours	4 hours
LEDs	SMD2835		
Charging time	4 hours	6 hours	6 hours
Battery capacity	3.7V 2000mAh	7.4V 2200mAh	7.4V 4000mAh
Battery	18650		

「Authentication」



Style 2

Technical **parameter**

Model	SMPS2 30W	SMPS2 60W	SMPS2 120W
Luminous Angle	120°		
Charger data	AC110-240 DC8.4V - 500mA	AC110-240 DC8.4V - 500mA	AC110-240 DC8.4V - 1A
Lighting time	3-4 hours		
LEDs	SMD2835		
Charging time	4 hours		
Battery capacity	7.4V 2200mAh	7.4V 4000mAh	7.4V 8800mAh
Battery	18650		

Authentication



Style 3

Technical **parameter**

Model	SMPS3 50W	SMPS3 100W	SMPS3 150W
Luminous Angle	120°		
Charger data	AC110-240 DC8.4V - 500mA	AC110-240 DC8.4V - 500mA	AC110-240 DC8.4V - 1A
Lighting time	3-4 hours		
LEDs	SMD2835		
Charging time	4 hours		
Battery capacity	7.4V 2200mAh	7.4V 4000mAh	7.4V 8800mAh
Battery	18650		

Authentication

PROJECT **CASES**

SunMaster Solar Flood Light Project Cases demonstrate the effectiveness and versatility of solar flood lights in providing high-quality lighting solutions for various outdoor applications. These projects highlight the benefits of energy efficiency, cost savings, reliability, and safety. With their advanced features and successful implementation, SunMaster Solar Flood Lights are an ideal choice for any project requiring reliable and sustainable outdoor lighting.







