HIGHLIGHT SP-SGDL

Specifications

Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.
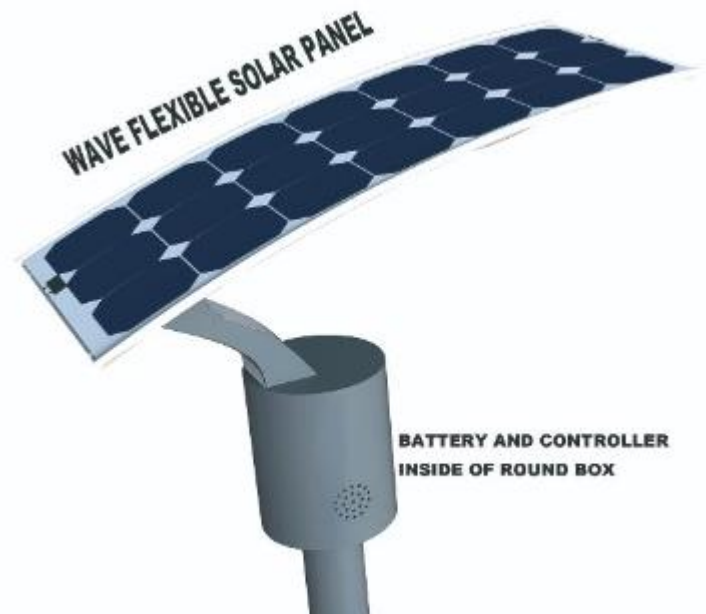
The design of the garden light absorbs energy from the universe, and combines it with high efficiency flexible solar panel, LEDs. Battery and controller built inside of round box. It adopts advantage technics such as microcontroller combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, waterproof function and great thermal dissipation.
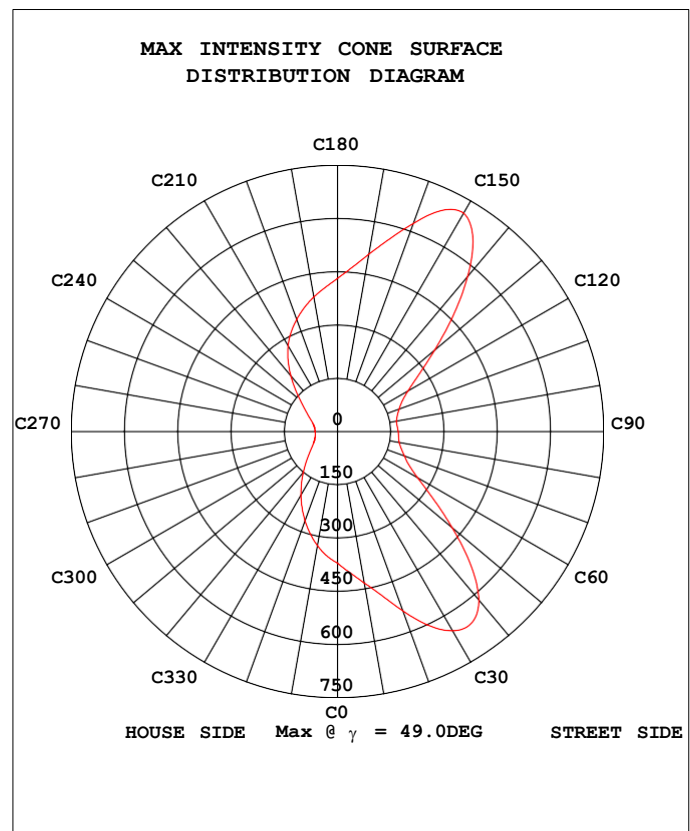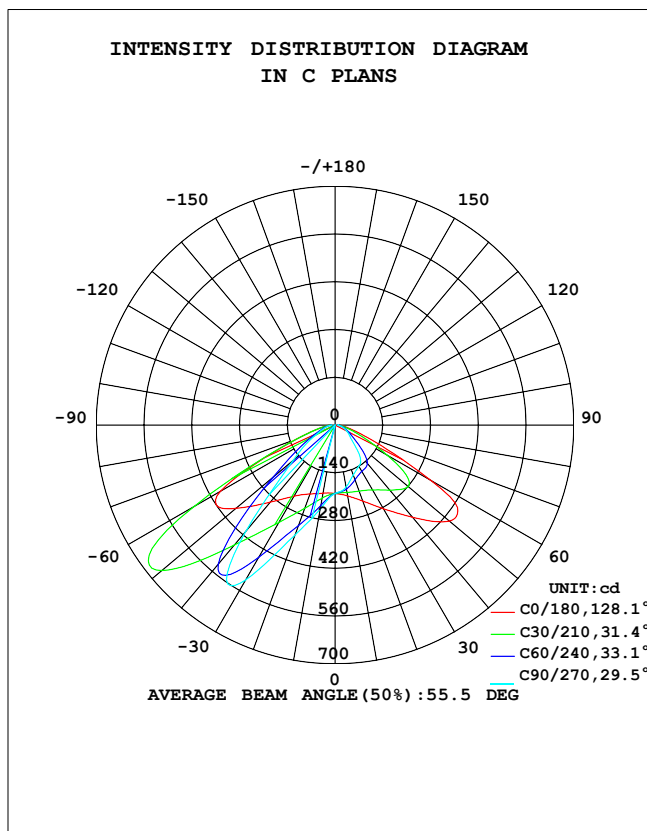
Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	65W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO	30AH
LED Light Parameters	Light Source Power	15W (Up to 2,200 lm)
	CCT (Correlated color temperature)	3,000K-6,000K
	CRI (Color rendering index)	$\geq$70
Distribution Type	Type IV	
Control Modes	Manual ON/OFF / Automatically ON/OFF/Light Control	
Working Mode	Depend on solar radiation. Automatically ON/OFF. Always 30% output, when motion sensor trigger the light jump up to 100% for 20 seconds.	
IP Rating	IP65	
Body Material	Stainless steel	

PRODUCT DIMENSIONS

985MM/38.77"

530MM/20.86"

12 Degree

130MM/5.11"

280MM/11.02"

219MM/8.62"

WAVE FLEXIBLE SOLAR PANEL

BATTERY AND CONTROLLER
INSIDE OF ROUND BOX

DISTRIBUTION TYPE

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

UNIT:cd
C0/180,128.1°
C30/210,31.4°
C60/240,33.1°
C90/270,29.5°

AVERAGE BEAM ANGLE(50%):55.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

HOUSE SIDE   Max @ γ = 49.0DEG   STREET SIDE

SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Walking and Bike paths

ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT SP-SGDL-60W-15W-4-30K-30AH-GR-12'-00

Model	Solar panel	LED Power	Distribution type	LED Color Temp	Battery options	LED body color	Height	Motion sensor
HIGHLIGHT SP-SGDL	65W	15W	4 - Type IV	30K 40K 50K 60K	30AH	GR- Grey	12' *Can be customize	00 – No motion sensor 01 – Motion sensor

*Can customized per to customer requirement

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