

HIGHLIGHT SP-DSBL

Installation Manual



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 Lighting

We design and install solar-powered lighting systems tailored for all kinds 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 provide significant energy and cost savings.

Warranty

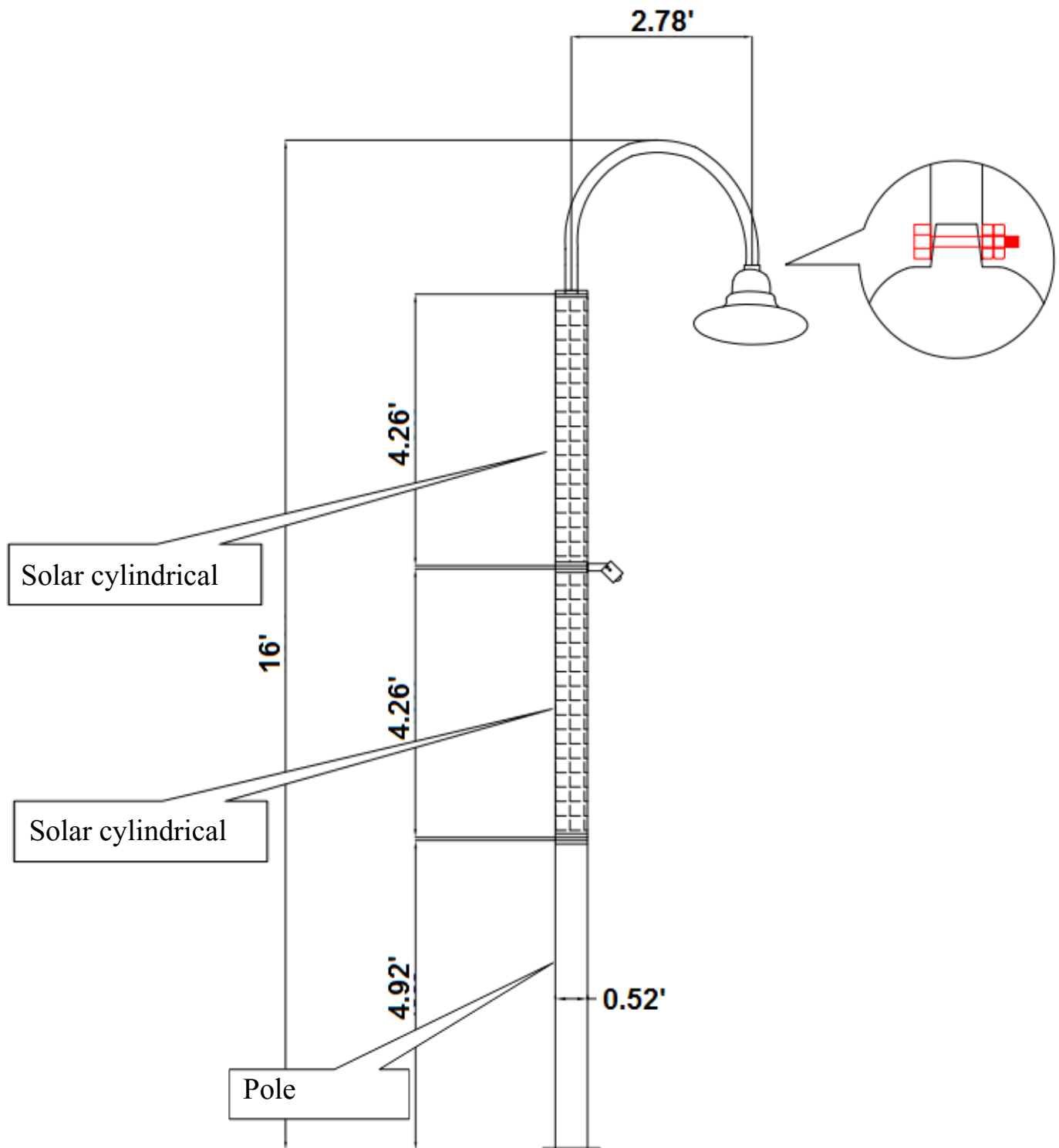
SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.

SOLAR WRAP POLE-HIGHLIGHT SP-DSBL






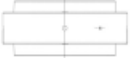



User's Manual & Instruction



Product drawing

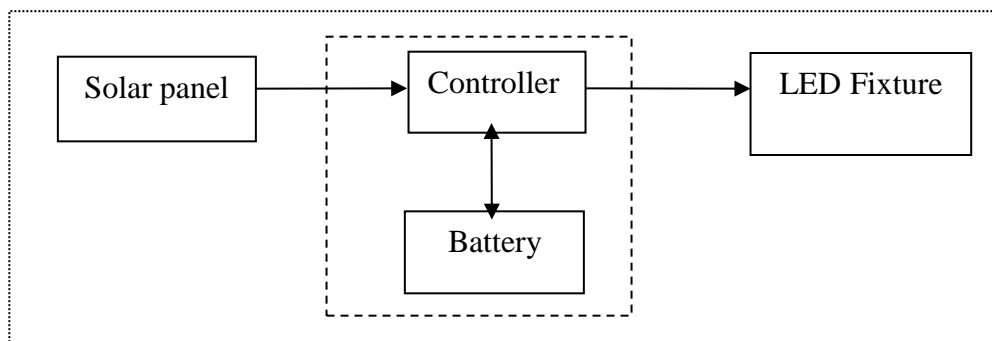


Component List

NO.	Item	Image	Unit	Qty	remark
1	Pole		PCS	2	
2	LED fixture		SET	2	Built in battery with controller
3	Solar cylindrical (UP)		PCS	2	top
4	Solar cylindrical (DOWN)		PCS	2	bottom
5	Hoop of solar cylindrical (UP)		PCS	2	Included M8 screws installed
6	Hoop of solar cylindrical (MIDDLE)		PCS	2	Included M8 screws installed
7	Hoop of solar cylindrical (BOTTOM)		PCS	2	Included M8 screws installed
8	Controller		PCS	1	Fix LED fixture and hoops
	LifePO4 Battery				

Work principle

Under sunshine, solar panel convert energy to battery storage, then output via controller, drive LED light power as below.



Specifications

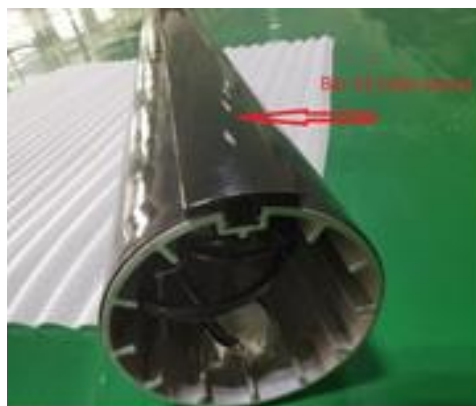
NO.	Item	Specifications
1	Light power	30W, CCT 3000K
2	battery	LifePO4 battery capacity: 12.8V/40Ah
3	Solar panel	200W(100W*2pcs)CIGS flexible solar panel with aluminum alloy mold
4	pole	High strength steel, coated with hot galvanized and electrostatic spraying process.
5	Height	Pole 16FT
6	Work Temp	—4F~122F
7	Wind resistance	88ft/s (10 gales)
8	Switch model	light control and time control
9	Controller	MPPT controller

Installation

Before installation, prepare wrench, thin steel to drag off cable from inside of pole, protect pads etc. to protect pole and solar panel. (better to install under good sunshine)

Solar cylindrical installation

1. Put pole on stand, maintenance door upwards, Bar of solar panel the same position with maintenance door.



2. Go through Hoop(down) from the top of pole as below picture.



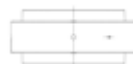
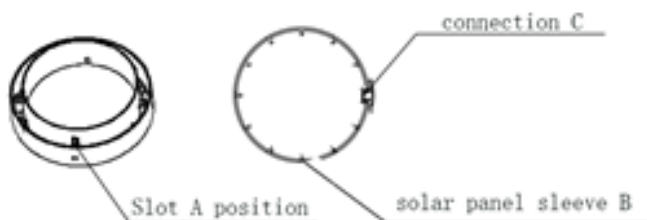
3. Put down section of solar cylindrical from top of pole(with cable position down forwards), go though cable of solar panel from pole(take off cable from solar cylindrical while go through solar cylindrical as below pictures:



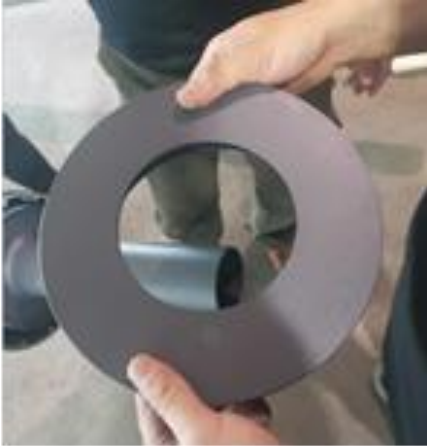
4. Insert solar cylindrical into down hoop as below picture.

Slot A position insert with B with fins, stuck solar cylindrical with hoop, fix screws with 4mm Allen key, not rotated.

Be careful not damage cables.

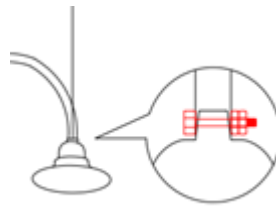


5. Insert hoop(middle) into pole, and upper solar cylindrical installation way the same to down solar cylindrical, check below pictures:



Lamp Installation

Go through bolt to arm of LED fixture, fix with screws on bracket, must be tightened no moving.



Connection with control controller

Firstly connect wire of LED fixture with controller, next connect wire of battery with controller, then connect wire of solar panel, after 10 seconds LED light turn off, then take of connect of solar panel, LED light return on, take off protection film of solar panel, next reconnect of solar panel.

Pole Installation

✂ prepare wrench before installation.

1. Before pole installation, confirm light and solar panel position. Connection of Solar panel towards backside of sunshine.
2. Fix pole on anchor bolt.
3. Place flat washer through stud on completely light base and secure with nut lock. Use the pendant to adjust to ensure that the light pole installed vertically.
4. Fix cover on anchor bot.

Notifications

- Solar-powered LED street light run on the sun, and should be installed wherever possible in areas with good sunlight. Installation environment should not be shade or building shade, otherwise it will cause the lack of solar power and turn off the lights, long-term on the service life of lamps and lanterns will also bring adverse effects.
- Take care to install the whole light, preventing it from colliding with the thin-film solar panel and causing damage.
- Lamp and solar pane surface are fragile and cannot be touched by sharp objects or struck by gravity.



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