

Superior Lighting
3530 NW 53rd St Fort Lauderdale, FL 33309 | 1-800-545-7778

Operating Instructions

Integrated LED solar street light
Power-free
Simple installation
Ideal for, illuminating pathways, walkways, and small parking lots

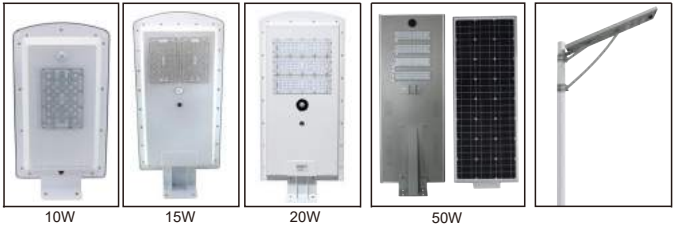
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Superior Lighting's Solar LED Dusk to Dawn Light

The perfect synergy of bright LEDs, solar power and motion detection technology, makes these commercial grade solar powered street lights an affordable, low maintenance option for businesses and private households.

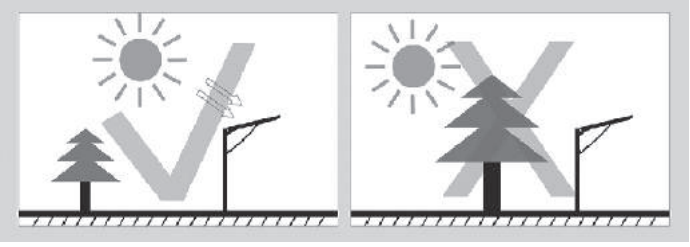
The all-in-one design combined with the latest in green technology makes these LED solar dusk to dawn security lights a class leader when it comes to lighting your environment.



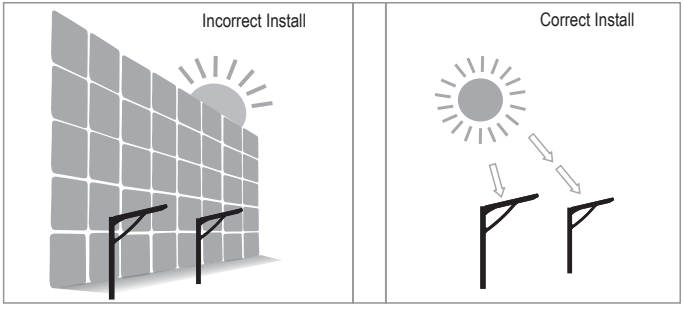


10W 15W 20W 50W

All in one solar street lamp installation instructions



Note:



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Model:	**10W-DTD-SOLAR**	**15W-DTD-SOLAR**	**20W-DTD-SOLAR**
Solar panel Max power:	10V/12W (high efficiency imported silicon solar cell)	10V/15W (high efficiency imported silicon solar cell)	15V/30W (high efficiency imported silicon solar cell)
Solar panel Life time:	25 years	25 years	25 years
Battery Type:	lithium battery 4.2V,13.2AH	lithium battery 4.2V,15.4AH	lithium battery 12.6V，12AH
LED Max power:	10W	15W	25W
Led chip brand:	philips 28pcs	philips 28pcs	philips 56pcs
Lumen (LM):	1000LM	1500LM	2000LM
LED Life time:	50000hours	50000hours	50000hours
Lighting Viewing Angle:	70°+140°(bar wing street light distribution)	70°+140°(bar wing street light distribution)	70°+140°(bar wing street light distribution)
Charge time(by sun):	6-7hours (with enough strong shine)	6-7hours (with enough strong shine)	6-7hours (with enough strong shine)
Discharge time:	Full power 12 hours (save mode >20hours)	Full power 12 hours (save mode >20hours)	Full power 12 hours (save mode >20hours
Working TEMP(℃)	-20~+60℃	-20~+60℃	-20~+60℃
CCT (k):	2800k-7000k	2800k-7000k	2800k-7000k
Mounting height(m):	3-4m	3-4m	4-5m
Space between light(m):	10-15m	10-15m	20-25m
Lamps material of main:	aluminium alloy	aluminium alloy	aluminium alloy
Certificate:	*ISO/CCC/CE / ROHS*	*ISO/CCC/CE / ROHS*	*ISO/CCC/CE / ROHS*
Warranty period:	3years	3years	3years
Product weight:	2.8kg	2.8kg	6kg
Product size:	18 X 9 X 2 in	18 X 9 X 2 in	26 X 12 X 3 in

	
30W-DTD-SOLAR	**50W-DTD-SOLAR**
15V/40W (high efficiency imported silicon solar cell)	16V/50W (high efficiency imported silicon solar cell
25 years	25 years
lithium battery 12.6V,14AH	lithium battery 12.6V,22.2AH
30W	50W
philips 56pcs	philips 144pcs
3000LM	5000LM
50000hours	50000hours
70°+140°(bar wing street light distribution)	70°+140°(bar wing street light distribution)
6-7hours (with enough strong shine)	6-7hours (with enough strong shine)
Full power 12 hours (save mode >20hours)	Full power 12 hours (save mode >20hours)
-20~+60℃	-20~+60℃
2800k-7000k	2800k-7000k
4-5m	5-6m
20-25m	30-35m
aluminium alloy	aluminium alloy
ISO/CCC/CE / ROHS	*ISO/CCC/CE / ROHS*
3years	3years
6kg	11.5kg
33 X 14 X 3 in	33 X 14 X 3 in

Product Warranty

Superior Lighting warranties our LED solar dusk to dawn lights for 3 years from the date of purchase. Please see our website for complete warranty terms restrictions.

For Warranty Claims Please Contact:
Superior Lighting
3530 NW 53rd St
Fort Lauderdale, FL
33309
800-545-7778
help@superiorlighting.com

Troubleshooting

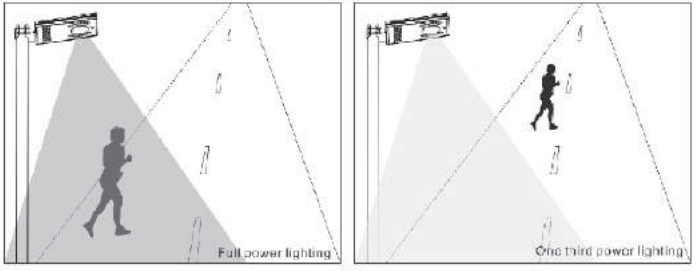
Issue	Cause	Inspection methods	Solution
Lights Don't Turn On	Solar Light is off	Detect whether the switch turns on	Turn on the switch
	Switch failure	Check for a short circuit in the switch	Replace Switch - Contact Superior Lighting
	Battery did not charge	Ensure the solar light has had at least 8 hours of direct sunlight.	Charge the solar battery during the day and ensure 8 hours of directly sunlight. (push the red button to "off" and keep fixture off for 2 days until fully charged)
	LED Failure	Firstly, adjust the DC power supply to voltage 9V and current less than 1A, then connect the positive and negative electrode of DC power supply to LED, if LED does not light, than there is a rare LED failure.	If ensure LED failure, please contact Superior Lighting to return and replace.
Light Don't Stay on for Long	Low battery	Incorrect installation without sufficient sunlight or debris is covering the solar panel causing not enough solar power to battery. 1. Check whether there is debris or snow covering the solar panel; 2. Open the system, disconnect the battery and use multimeter to check the voltage of the battery,if voltage less than 11V, than the battery has not charged completely.	1.Charge the solar battery during the day and ensure 8 hours of directly sunlight. (push the red button to "off" and keep fixture off for 2 days until fully charged) 2.Clean the solar panel.
	Battery Failure	1. Open the light and check if battery is displaced or has been damaged . 2. Battery might be getting weak after the lights have been used for more than 2 years.	1.If damage was caused during shipment please return to Superior Lighting for repair or replacement. 2.Contact us to buy a replacement battery if the battery is more than 2 years old.
No induct	Sensor Failure	When solar light is at dim level move into the sensor detection range. If light does not come to full power there might be an issue with the sensor not functioning.	Sensor failure caused by controller or sensor, please return to Superior Lighting for replacement.
Lights Flash	Controller (timer) setting wrong		Return to Superior Lighting for return or replacement

Operating Instructions

1.Remove solar LED light from the box and inspect for damage.
2.Press the red button on the rear of the fixture to turn the fixture on.
3.Install the LED solar light as per installation instructions. Light should be angled upwards in direct sunlight and away from walls and trees.
4.The LED solar light should be charged in DIRECT SUNLIGHT for at least 10 hours before initial use.

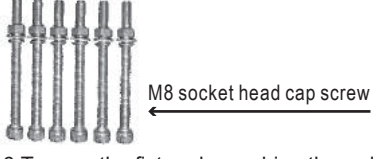
Important Operating Notes

1.The LED solar light requires at least 6-7 hours to fully charge and can last for about 2 nights at full charge. If there are consecutive days of rain or snow the working time of the LED solar light will be shortened or might not light at all once the battery is depleted.
2.The LED solar light will not perform at full capacity during the winter in the Northern U.S. or in the rainy climates of the Northwest. The panel must be wiped clean of snow to properly charge.
3.When installing the LED solar light make sure the solar panel is angled towards and receives maximum sun exposure. Avoid walls, trees or other obstacles that will reduce sun exposure and reduce light output.
4.The LED solar panel surface's degree of cleanliness will of course also affect the efficiency of the light. Make sure to gently wipe the solar panel clean of dust, debris, leaves or snow or the solar panel will not charge.
5.The LED solar light contains a long-life lithium battery to store energy and power the LEDs. Discharge condition at night is from -20C to +60C, battery performance will be damaged beyond this range. Please make sure the local temperature does not exceed the above conditions when purchasing the LED solar lights.
6.The battery can be stored for a maximum of 6 months without charge before it becomes damaged. If you are going to store the fixture during the winter please make sure to fully charge the unit at least once every 6 months.
7.Our LED solar light is waterproof and IP65 rated. Ventilation holes and cracks on the shell are specially designed for cooling and drainage. Metal parts are all made of corrosion resistant aluminum and stainless steel, which can withstand even salt air, high heat or humidity. (-20C to +60C)

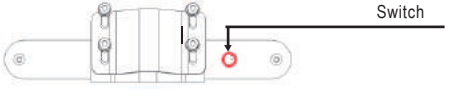


Installation Instructions

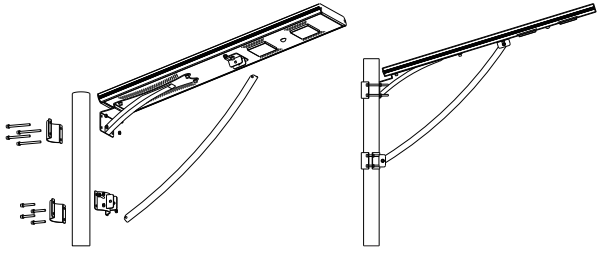
1.Select a location with maximum sun exposure to set up your lighting pole
2.We recommend installing the LED solar light at heights between 10-20 feet.
3.Your pole should be between 2.5-3 inches in diameter and at least 1/8 of inch thick.
4.Please check local code and ordinance guidelines for installing poles especially with heavier fixtures.
5.Open the packaging and check that all components are included. Your package should contain socket head caps crews and brackets.



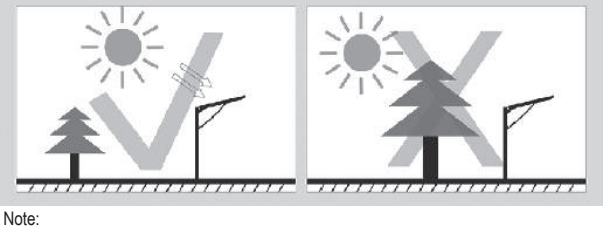
6.Turn on the fixture by pushing the red button before installation.



7.Attach the LED solar light onto the pole and tighten the screws, ensuring they are tight.
8.Leave the fixture in direct sunlight for at least 10 hours on initial use.



All in one solar street lamp installation instructions



Note:

