



ST757 LED SOLAR STREET LIGHT

ST757 is a full range solar streetlight, six sizes cover 10W, 20W, 30W, 40W, 50W and 60W, well satisfy different applications. Smart control with built-in microwave and timer dimming offer longer discharge time. Adjustable mounting angle improves charging efficiency. Easy maintenance with removable battery.

APPLICATIONS

- Rural roadway
- Urban road
- Walk path
- Courtyard
- Parking lot
- Park
- Plazas

FEATURES

- System efficiency up to 200lm/W.
- Six wattage with different size achieves high cost-effectivity.
- Higher conversion Mono-crystalline photovoltaic solar panel.
- Built-in microwave sensor and timer dimming optional.
- Easy adjustment and maintenance.

Product	
Catalog No.	
Fixture Type	Notes

SPECIFICATION SUMMARY

Category	Specification	Data
Category Performance	Wattage	10/20/30/40/50/60W
	Delivered Lumens	2,000-12,000lm
	Lumen Efficacy	200lm/W
	Color Temperature	3000K / 4000K / 5000K (Optional)
	CRI (Ra)	70+ / 80+
Electrical	Input Voltage	N/A
	Power Factor	0.9
Physical	Housing	Aluminum alloy
	Beam Angle	N/A
	Operation Temperature	32°F to 122°F
	IP Rating	IP 66
	Mounting Options	N/A
	Dimensions	19.76"x8.5"x4.17"

LIFESPAN AND WARRANTY

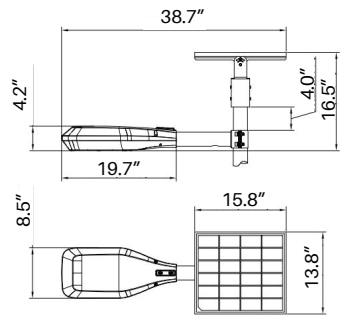
Rated Life	40,000hrs-L90 / 82,000hrs-L80 / 131,000hrs-L70 @Ta=77°F (hours)
Warranty	3 Years(Battery) / 5 Years(Other accessories)
Certification	N/A

CERTIFICATION

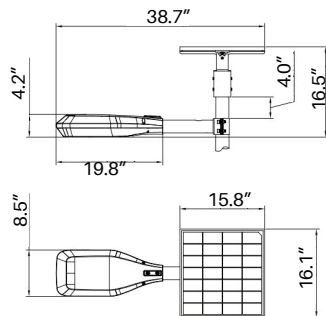


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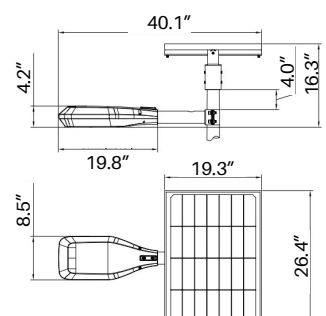
DIMENSIONS



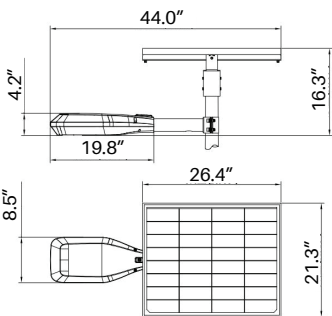
10W



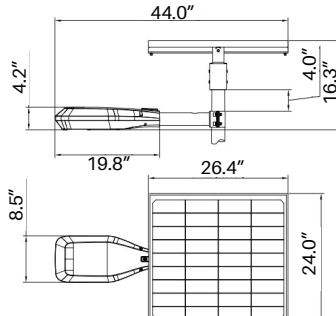
20W



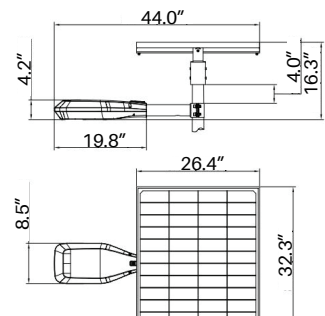
30W



40W



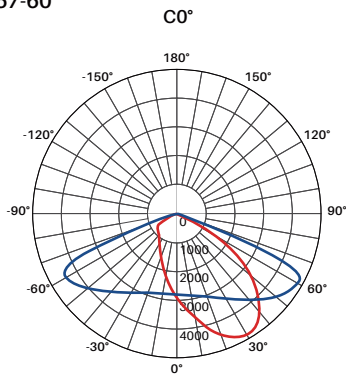
50W



60W

PHOTOMETRY

ST757-60



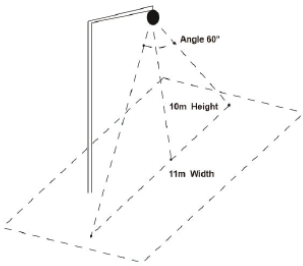
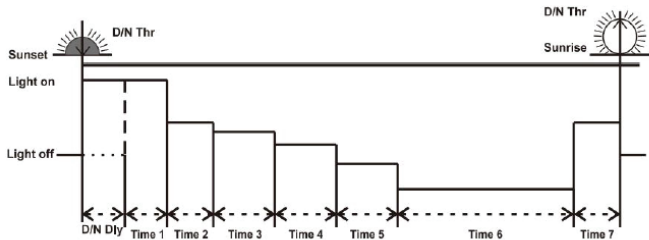
Distribution Curve
C-plane — C0/180 — C90/270

Category	Details (C0°)
Luminous Flux	11,800 lumens
Luminous Efficacy	196.7 lm/W
Power Consumption	60W
Peak Intensity	6,997.2 cd
Light Distribution	Wide beam
Beam Spread Pattern	Asymmetric forward throw pattern
CCT (Color Temp.)	N/A
Recommended Height	N/A

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INTELLIGENT CONTROL MODE

7 Stage Night Mode



*You can set the fixtures with 7 stages timmer dimming yourself by the remote Controller.

Microwave Sensor Detection Range

Default Timer Setting



With sufficient natural light, the light keeps charging.



The light keeps 100% brightness when presence is detected in the 1st 0.5hours.



The light keeps 30% when there is no presence is detected after 30S hold time in the 1st 0.5hours.



The light keeps 30% brightness when presence is detected in the 2st 1hours.



The light keeps 10% when there is no presence is detected after 30S hold time in the 2st 1hours.



The light keeps 26% brightness when presence is detected in the 3st 1.5hours.



The light keeps 8% when there is no presence is detected after 30S hold time in the 3st 1.5hours.



The light keeps 20% brightness when presence is detected in the 4st 1.5hours.



The light keeps 6% when there is no presence is detected after 30S hold time in the 4st 1.5hours.



The light keeps 12% brightness when presence is detected in the 5st 1.5hours.



The light keeps 5% when there is no presence is detected after 30S hold time in the 5st 1.5hours.



The light keeps 10% brightness when presence is detected in the 6st 10hours.



The light keeps 3% when there is no presence is detected after 30S hold time in the 6st 10hours.



The light keeps 30% brightness when presence is detected in the 7st 1hours.



The light keeps 10% when there is no presence is detected after 30S hold time in the 7st 1hours.

The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V

PERFORMANCE DATA

PRODUCT CODE	WATTS	lm/W	DELIVERED LUMENS	SOLAR PANEL WATTAGE	CRI (Ra)	CCT
ST757	10	200	2,000	20	Ra70 (Ra80 optional)	3,000/4,000/5,000K (Optional)
ST757	20	200	4,000	30		
ST757	30	200	6,000	50		
ST757	40	200	8,000	60		
ST757	50	200	10,000	70		
ST757	60	200	12,000	90		

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ACCESSORIES



Outreach Arm with Clamp



Solar Panel Support



Remote control

ORDERING INFORMATION

ST757						
Series SKU	Wattage	TIMER	Dimming	CRI	CCT	Accessories (Optional)
ST757	010: 10W 020: 20W 030: 30W 040: 40W 050: 50W 060: 60W	TM: Timer Setting	DV: 0-10V Dim *Leave blank if not specified	L: 70 M: 80	30: 3,000K 40: 4,000K 50: 5,000K	OA: Outreach Arm with Clamp PS: Solar Panel Support RC: Remote control PC: Photocell Control

Example: ST757-060TMDVM-40PC
Lead times will vary depending on options selected.
Consult with your sales representative.

MISCELLANEOUS

CONSTRUCTION:
INSTALLATION:
OPTICS:
LISTINGS:
ELECTRICAL:
GOVERNMENT PROCUREMENT:

NOTE