

## LED Solar Street Light

Area Light & Parking Lots

### OVERVIEW

<b>Wattage (W)</b>	10W, 20W, 30W, 40W, 50W, 60W, 80W, 100W
<b>Lumen Package (lm)</b>	Up to 20,000 lm
<b>Color Temperature (CCT)</b>	4000K (3000K, 5000K Optional)
<b>Efficacy (lm/W)</b>	200 lm/W



### DETAILS

This luminaire has 200 lm/W output while running on solar power. The higher-conversion mono-crystalline photovoltaic panel integrated into the fixture contributes to the maximizing of efficiency and runtime, as does the system's built-in Maximum Power Point Tracking (MPPT) smart charge controller. By providing increased efficiency in converting solar power to battery charge, it significantly improves performance on cold, cloudy, and hazy days—when extra power is needed the most.

### KEY FEATURES

- Lumen Output Up to 20,000 lm
- Mono-crystalline Photovoltaic Solar Panel
- LiFePO4 Battery lasts for three days
- IP65 Protection
- Built-in PIR Sensor

### APPLICATIONS

- Village Streets
- Urban Road
- Courtyard
- Parking Lot



10W, 20W, 30W



40W, 50W, 60W



80W, 100W

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### SPECIFICATIONS

<b>Wattage &amp; Lumens</b>	10W, 2,000 lumens 20W, 4,000 lumens 30W, 6,000 lumens 40W, 8,000 lumens 50W, 10,000 lumens 60W, 12,000 lumens 80W, 16,000 lumens 100W, 20,000 lumens
<b>Efficacy</b>	200 lm/W
<b>CCT</b>	4000K (3000K, 5000K optional)
<b>CRI (Ra)</b>	70
<b>Controls</b>	Timer Dimming PIR Sensor
<b>Battery Type</b>	LiFePO4
<b>Battery Capacity</b>	10W: 76.8Wh 20W: 153.6Wh 30W: 230.4Wh 40W: 307.2Wh 50W: 384Wh 60W: 460.8Wh 80W: 614.4Wh 100W: 768Wh (Standard), 922Wh (Extended)
<b>Solar Panel Type</b>	Mono-crystalline Solar Panel
<b>Solar Panel Wattage</b>	10W, 20W, 30W: 30W 40W, 50W, 60W: 60W 80W: 80W 100W: 90W
<b>Charging Time</b>	10W: >3 hours 20W: >6 hours 30W: >9 hours 40W: >6 hours 50W: >7 hours 60W: >9 hours 80W: >9 hours 100W: >9 hours
<b>Operating Time</b>	Normal (100% brightness): >8 hours Intelligent mode: 3-4 days
<b>Solar Charge Controller</b>	10W, 20W, 30W: PWM 40W, 50W, 60W, 80W, 100W: MPPT
<b>Working Mode</b>	Refer to Intelligent Control Mode

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### SPECIFICATIONS (CONT'D)

<b>LED Type</b>	LED 2835
<b>Average Lifetime</b>	L90: 31,000 hours L80: 64,000 hours L70: 101,000 hours
<b>Beam Angle</b>	Type II, Type III, Type V
<b>Mounting</b>	Post Top Mount, Side Entry Mount, Pole Clamp Bracket Mount, Wall Mount
<b>Operating Temperature</b>	0°C to +50°C (+32°F to +122°F)
<b>Material</b>	Aluminum Housing, Polycarbonate Optical Lens, LiFePO4 Battery, Mono-crystalline Solar Panel
<b>Fixture Color</b>	Silver
<b>Finish</b>	Powder Coating
<b>EPA</b>	10W, 20W, 30W: 0.23 m <sup>2</sup> /2.56 ft <sup>2</sup> 40W, 50W, 60W: 0.46m <sup>2</sup> /4.95 ft <sup>2</sup> 80W: 0.649m <sup>2</sup> /6.99 ft <sup>2</sup> 100W: 0.776m <sup>2</sup> /8.35 ft <sup>2</sup>
<b>IP Rating</b>	IP65
<b>Certifications</b>	CE, RoHS
<b>Warranty</b>	3 Years

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### ORDERING GUIDE

 Example: **LLTVSL-010-40-T2**

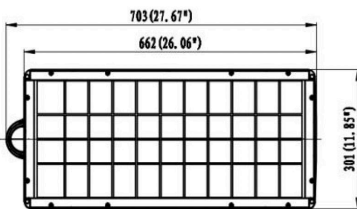
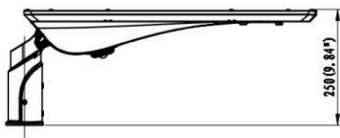
SKU Root	Wattage / Lumens	Battery Capacity	CCT	Beam Angle	Mounting
LLTVSL-	<b>010</b> - 10W, 2,000 lm <b>020</b> - 20W, 4,000 lm <b>030</b> - 30W, 6,000 lm	<b>BLANK</b> - Standard  <b>X</b> - Longer Battery Capacity	<b>-30</b> - 3000K <b>-40</b> - 4000K <b>-50</b> - 5000K	<b>-T2</b> - Type II <b>-T3</b> - Type III <b>-T5</b> - Type V	<b>BLANK</b> - 60mm Slipfitter <b>-P34</b> - 34 mm Slipfitter <b>-P42</b> - 42mm Slipfitter <b>-P76</b> - 76mm Slipfitter <b>-B30A</b> - Wall/Pole Mount Bracket
	<b>040</b> - 40W, 8,000 lm <b>050</b> - 50W, 10,000 lm <b>060</b> - 60W, 12,000 lm				<b>BLANK</b> - 60mm Slipfitter <b>-P76</b> - 76mm Slipfitter
	<b>080</b> - 80W, 16,000 lm				<b>BLANK</b> - 60mm Pole Mount
	<b>100</b> - 100W, 20,000 lm				

### PRODUCT DIMENSIONS

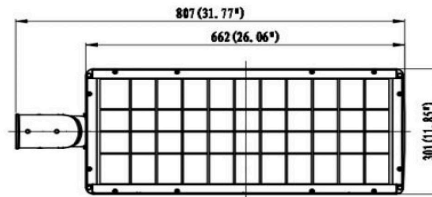
DIMENSIONS	10W, 20W, 30W	40W, 50W, 60W	80W	100W
<b>Product Dimension</b>	807 x 301 x 148 mm	965 x 429 x 187 mm	1,282 x 422 x 342 mm	1,532 x 422 x 342 mm
<b>Luminaire Net Weight</b>	10W: 5.0±0.3kg 20W: 5.7±0.3kg 30W: 6.3±0.3kg	40W: 13.9±0.3kg 50W: 14.4±0.3kg 60W: 15±0.3kg	21.5±0.3kg	24±0.3kg
<b>Export Carton Size</b>	750 x 370 x 195 mm	1,020 x 520 x 255 mm	1,405 x 530 x 255 mm	1,655 x 530 x 255 mm
<b>Gross Weight</b>	10W: 7.2±0.3kg 20W: 7.9±0.3kg 30W: 8.5±0.3kg	40W: 15.7±0.3kg 50W: 16.2±0.3kg 60W: 16.8±0.3kg	24.7±0.3kg	27.6±0.3kg

10W, 20W, 30W

Unit: mm



Post Top Mount

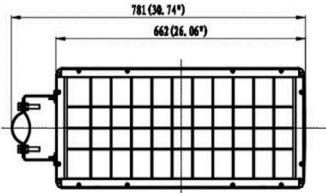
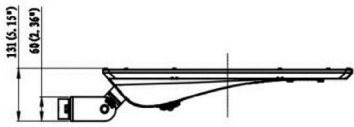


Side Entry Mount

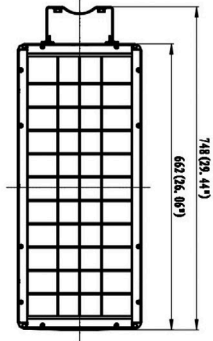
## LED Solar Street Light Area Light & Parking Lots

### PRODUCT DIMENSIONS (CONT'D)

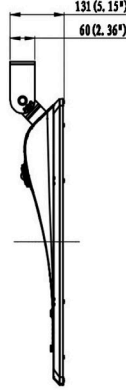
10W, 20W, 30W



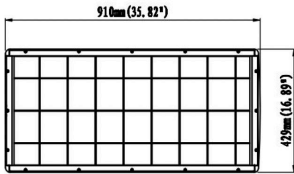
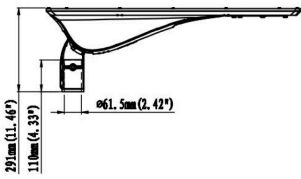
Pole Clamp Bracket Mount



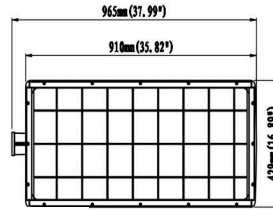
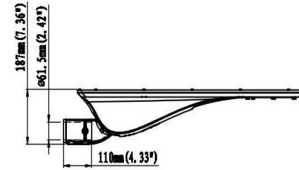
Wall Mount



40W, 50W, 60W

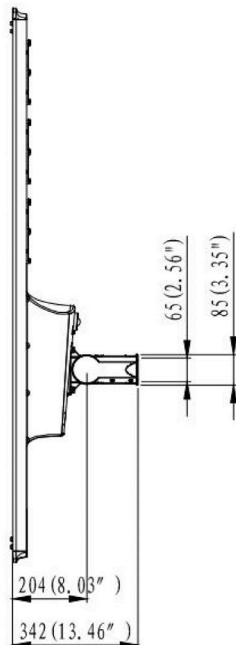
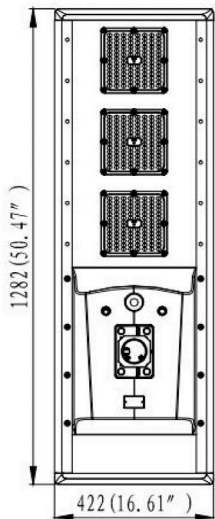


Post Top Mount

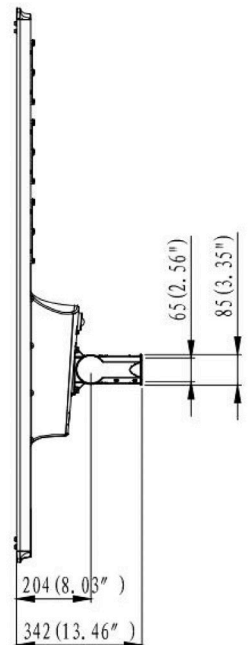
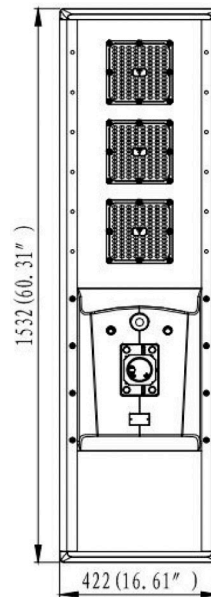


Side Entry Mount

80W



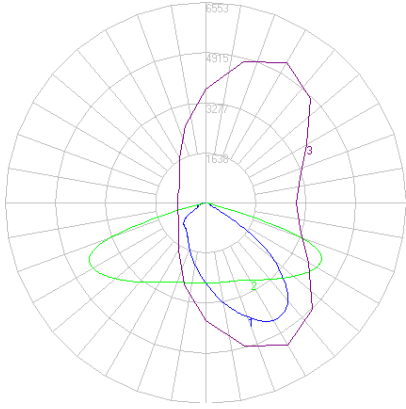
100W



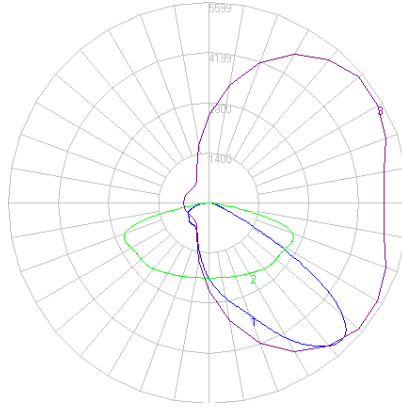
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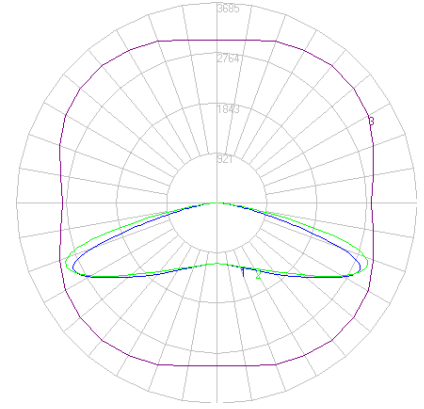
## PHOTOMETRICS



T2



T3



T5

## MOUNTING

### 10-60W



Pole Mount or Side Entry Mount  
(Slipfitter assembled 0° or 90°)



Wall/Pole Mount Bracket  
(\*Only available for 10-30W)

### 80-100W



Pole Mount

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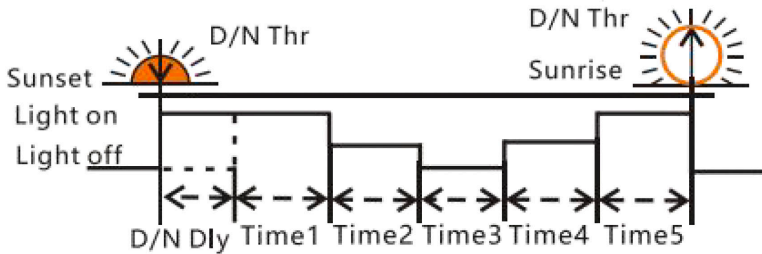
### PERFORMANCE

MODEL	Housing	Battery	CRI	Wattage	4000K	
					Lumens	Efficacy
LLTVSL-010-40-T[2,3,5]	Small (2'2")	76.8Wh	70	10	2,000	200
LLTVSL-020-40-T[2,3,5]	Small (2'2")	156.0Wh	70	20	4,000	200
LLTVSL-030-40-T[2,3,5]	Small (2'2")	230.4Wh	70	30	6,000	200
LLTVSL-040-40-T[2,3,5]	Medium (3')	307.2Wh	70	40	8,000	200
LLTVSL-050-40-T[2,3,5]	Medium (3')	384.0Wh	70	50	10,000	200
LLTVSL-060-40-T[2,3,5]	Medium (3')	460.8Wh	70	60	12,000	200
LLTVSL-080-40-T[2,3,5]	Large (4'2")	614.0Wh	70	80	16,000	200
LLTVSL-100-40-T[2,3,5]	Large (5')	768.0Wh	70	100	20,000	200
LLTVSL-100X-40-T[2,3,5]	Large (5')	922.0Wh	70	100	20,000	200

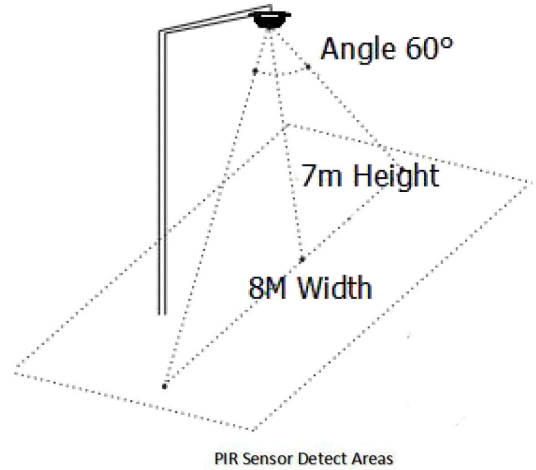
## LED Solar Street Light Area Light & Parking Lots

### INTELLIGENT CONTROL MODE

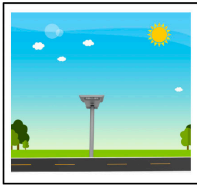
#### 5 Stage Night Mode



\* Please note the Sensor function is only available at Time 3 and Time 4  
 \* You can set the fixtures with 5 stages timer dimming yourself by the remote controller.



#### Factory Default Setting:



With sufficient natural light, the light keeps charging.



The light keeps 100% brightness for 0.5 hour.



The light keeps 50% brightness when presence is detected in the 1st 4 hours.



The light keeps 10% when there is no presence detected after 30S hold time in the 1st 4 hours.



The light keeps 20% brightness when presence is detected in the 2nd 4 hours.



The light keeps 10% when there is no presence detected after 30S hold time in the 2nd 4 hours.



The light keeps 10% brightness for 3 hours until sunrise.

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



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### ACCESSORIES

SKU	Description	Image
LLTASEN-RM02	Remote Controller	
LLTAMWA-PLT-01	Wall Mount Adapter	
LLTAMWA-COR-01	Corner Mount Adapter	
LLTAMPA-L060-01 LLTAMPA-L090-01	L-Shape Pole Mount Adapter (.60mm or .90mm diameter)	
LLTAMPA-TSQ100-01	L-Shape Pole Mount Adapter (100x100 mm square pole)	
LLTAMPA-T060-01 LLTAMPA-T076-01	T-Shape Pole Mount Adapter (.60mm diameter or .76mm diameter)	
LLTAMPA-TSQ100-01	T-Shape Pole Mount Adapter (100x100 mm square pole)	