ST-D Series

LED Solar Street Light

Pan American
Professional Lighting Manufacturer

IP 66 | SMART SENSOR | DIM | CRI 70/80 | 170 lm/W | BIFACIAL SOLAR PANEL



Features

- ST-D solar street light features all in one design function, low profile design,motion sensor and smart controller all built in.
- Solar Panel design. Suitable for remote region, Non-electricity supply zone.
- Rotable LED module, ensuring best solar panel angle to the sun.
- Ultra-high light efficiency up to170 lm/W.
- IP66 protection degree, suitable for wet location.

Specifications

• Electrical Data

Model	ST-D1	ST-D2	ST-D3	ST-D4
Power	20W/30W	40W/50W	60W/80W	100W/120W
Control Option	Photocell sensor, Timing, dimming, intelligent power saving or microwave sensor			
• Photometric Data				
LED Manufacturer	5050 optional			
CCT	3000K, 4000K, 5000K, 5700K, 6500K			
CRI	70Ra (standard) / 80Ra (optional); 70Ra matches efficacy of 170lm/W			
Efficacy (lm/W)	170 lm/W	170 lm/W	170 lm/W	170 lm/W@100W 160 lm/W@120W
Luminous flux	3400 lm/5100 lm	6800 lm/8500 lm	10200 lm/13600 lm	17000 lm@100W 19200 lm@120W
Beam Angle	45°/60°/90°/T2M/T3M/T4M/T5S			
Working Temperature	0°C to +50°C			
Low-temp Battery Capacity	60% rated capacity at -20°C ambient temperature			
Mounting	Post Top			
• Solar Panel Data				
Photovoltaic Panel	Single side monocrystalline solar panel			
Solar Panel	40W	60W	90W	120W
Battery	12.8V/20AH	12.8V/30AH	25.6V/30AH	25.6V/45AH
Battery Power	256Wh	384Wh	768Wh	1152Wh
Charging Time	15h	9.6h	8.5h	12h
Warranty	3 years			

Catalog Number Logic:

ST-DixxW-Pxx

1 2 3 4 5

1. Product Category
   - ST:Street light
2. Product Code
   - D1,D2,D3,D4
3. Wattage
   - 20W; 30W; 40W; 50W; 60W; 80W; 100W;120W
4. Control
   - Photocell sensor,Timing,Dimming, intelligent power saving, microwave sensor
5. CCT
   - 30: 3000K
     40: 4000K
     50: 5000K
     57: 5700K
     65: 6500K

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Factory Default Setting:



1. With sufficient natural light, the light keeps charging.



2. 1st 2 hours from the light switches on, the light keeps the 100% brightness for 120 seconds when presence is detected.



3. when no presence is detected, the light dim to 30% brightness.



4. The light keeps 60% for 120 seconds when p detected from 4th hours switches on.



5. When no presence is detected, the light dim to 20% brightness.



6. The light keeps 30% brightness for 120 seconds when presence is detected from 6th hours after light switches on.



7. When no presence is detected, the light dim to 10% brightness until the sunrise.



1. With sufficient natural light, the light keeps charging.



2. 1st 2 hours from the light switches on, the light keeps the 100% brightness for 120 seconds when car is detected.



3. when no car is detected, the light dim to 30% brightness.



4. The light keeps 60% for 120 seconds when from 4th hours after ligh



5. When no car is detected, the light dim to 20% brightness.



6. The light keeps 30% brightness for 120 seconds when car is detected from 6th hours after light switches on.



7. When no car is detected, the light dim to 10% brightness until the sunrise.

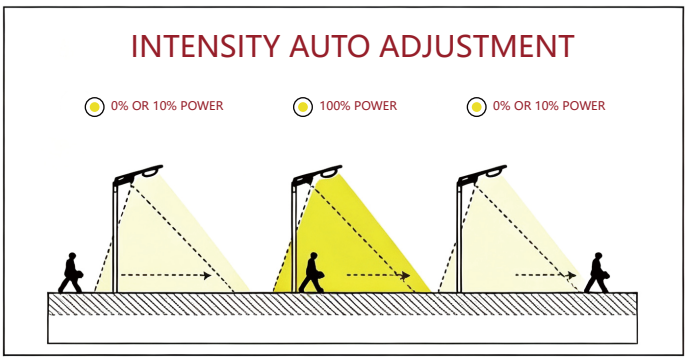
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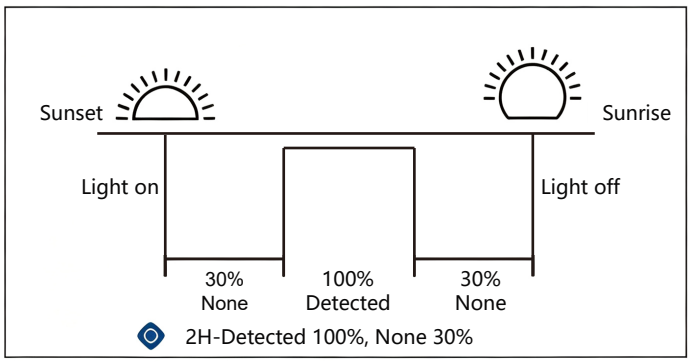
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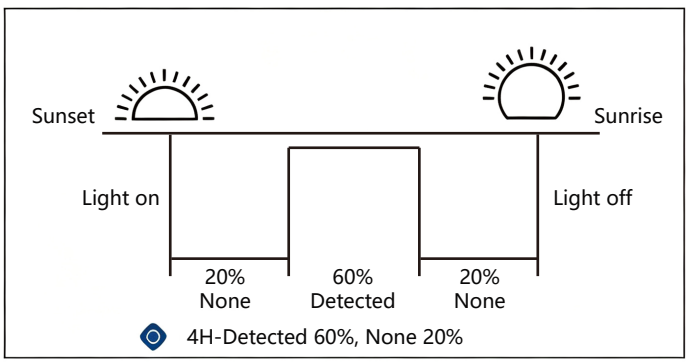


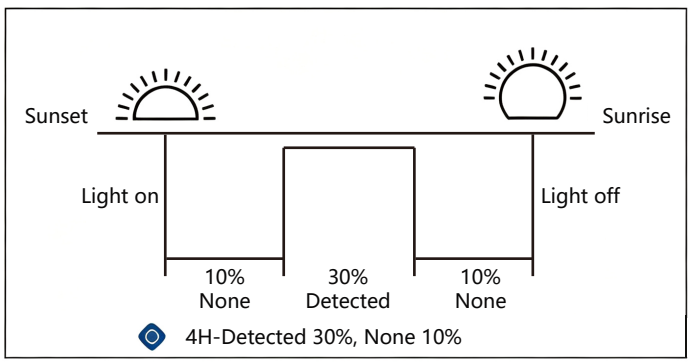
Autonomy Control





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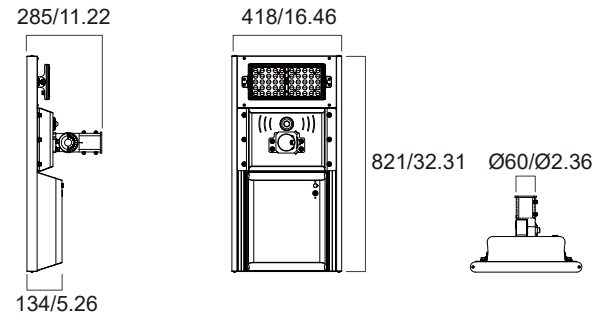


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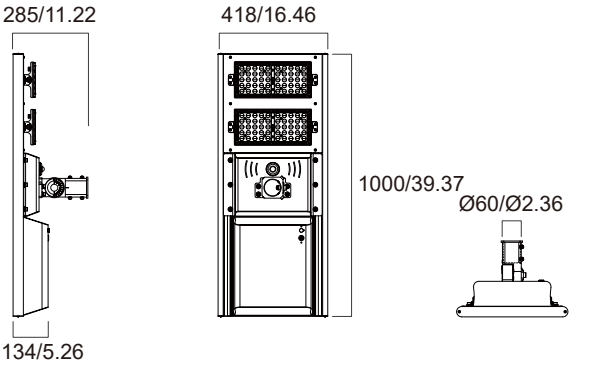
Dimension: (Unit: mm/inch)

ST-D1 20-30W



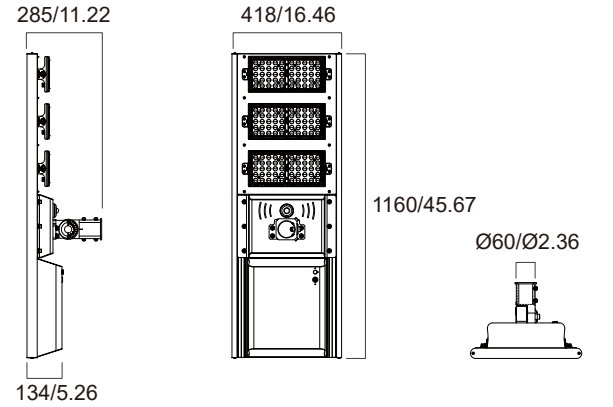
EPA=1.25Ft² EPA=3.65 Ft² EPA=0.43 Ft²

ST-D2 40-50W



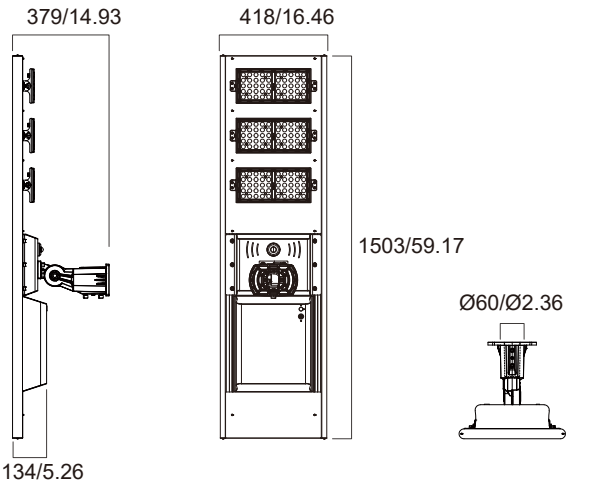
EPA=1.4Ft² EPA=5.27 Ft² EPA=0.43 Ft²

ST-D3 60-80W



EPA=1.6Ft² EPA=6.24 Ft² EPA=0.43 Ft²

ST-D4 100-120W



EPA=1.93Ft² EPA=8.07 Ft² EPA=0.45 Ft²

Package Information

Model	Net Weight	Gross Weight	Quantity/Carton	Packing Size
ST-D1	15.68kg/34.57lb	18kg/39.68lb	1pc	1013*467*210mm/39.88*18.39*8.27inch
ST-D2	18.87kg/41.60lb	21.77kg/47.99lb	1pc	1188*467*210mm/46.77*18.39*8.27inch
ST-D3	24.44kg/53.88lb	28.14kg/62.04lb	1pc	1360*460*207mm/53.54*18.11*8.15inch
ST-D4	29.85kg/65.81lb	34.35kg/75.73lb	1pc	1750*460*207mm/68.90*18.11*8.15inch

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