



## BEACON 12" Single/Dual-head 8" Single/Dual-head

CATALOG		COMMENTS
PROJECT		
PREPARED BY		
DATE		

### APPLICATIONS

This solar powered flashing traffic sign light, BEACON, will give advance warning to drivers on the road or in shopping centers, with its bright flashing LED light. It is ideal for warning applications, and low visibility areas where dangerous conditions or obstructions exist. It can additionally be used to enhance the visibility of unlit roadway caution or stop signs, railroad crossings, and bridge abutments. BEACON features a removable solar panel capable of rotation to adjust to the sun's angle. It is powered entirely by the solar panel and battery, with no AC power required.

### CERTIFICATION DATA



### ORDERING INFORMATION

SERIES	LIGHT HEAD	COLOR	WORKING MODE	OPERATION MODE (For Dual-Head Only)
STL-BCN=BEACON	<b>S8D</b> =8" Single-head <b>S12D</b> =12" Single-head <b>D8D</b> =8" Dual-heads <b>D12D</b> =12" Dual-heads	<b>YL</b> =Yellow <b>RD</b> =Red	<b>24</b> =24Hours & 7Days <b>12</b> =12Hours & 7Days	<b>S</b> =Synchronous <b>A</b> =Asynchronous

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### FEATURES & BENEFITS



#### Easy & Fast Installation

- Minimize traffic disruption



#### Lower Costs

- No trenching, cabling, nor A/C electrical hookup required



#### Adjustable flash pattern

- 12 hrs per day or 24 hrs per day flashing, to meet regulatory requirements



#### High Reliability & Durability

- ABS plastic shell
- Waterproof, IP65
- UV-resistant Polycarbonate doesn't degrade with sunlight exposure



#### High Intensity

- 60 led emitters for a single head, 95 led emitters for double heads
- Visible both day & night
- Can be seen from over 2500 ft, a great addition to high traffic areas



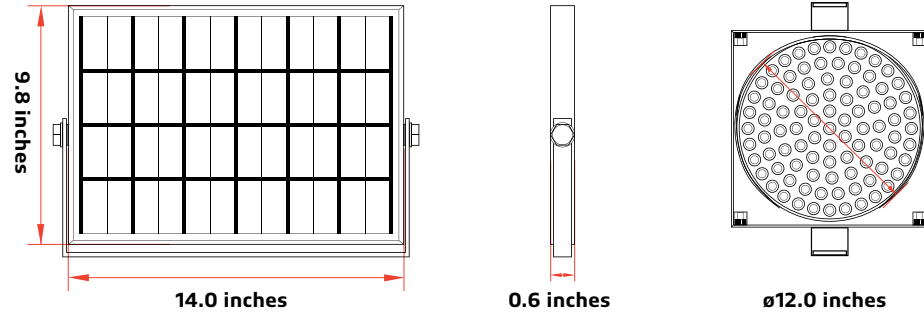
#### Multi-Purpose

- Flashes 50 times/min
- Highlight new traffic patterns
- Provide extra visibility for sharp curve signs, animal crossing signs, and more
- Advance warning with bright blinking lights for numerous applications

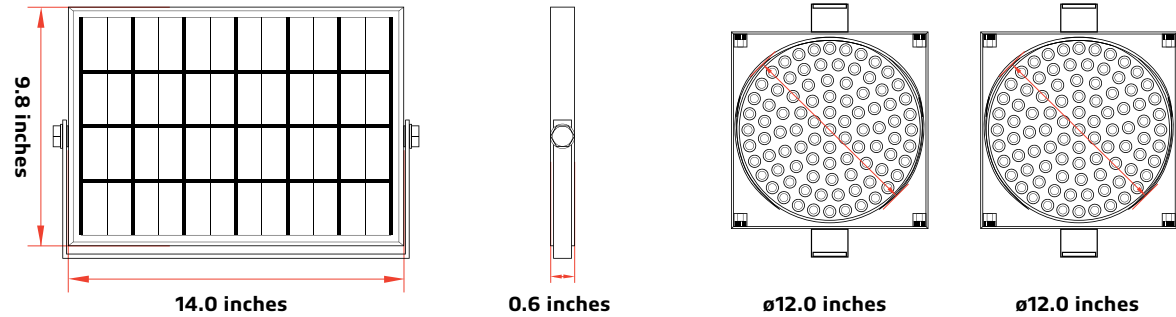
## BEACON 12" Single/Dual-head 8" Single/Dual-head

### PRODUCT SIZE

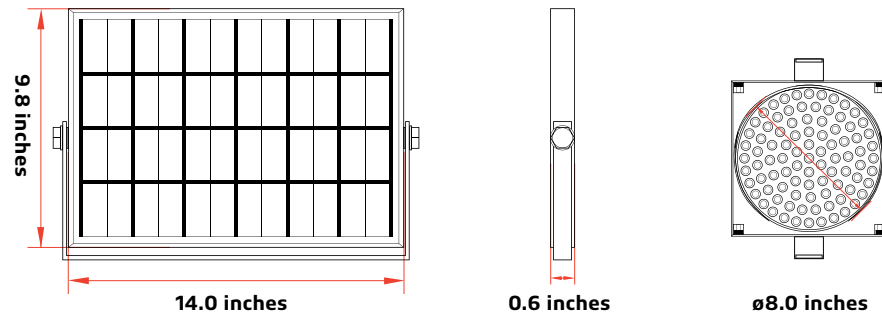
#### BEACON 12" Single-head



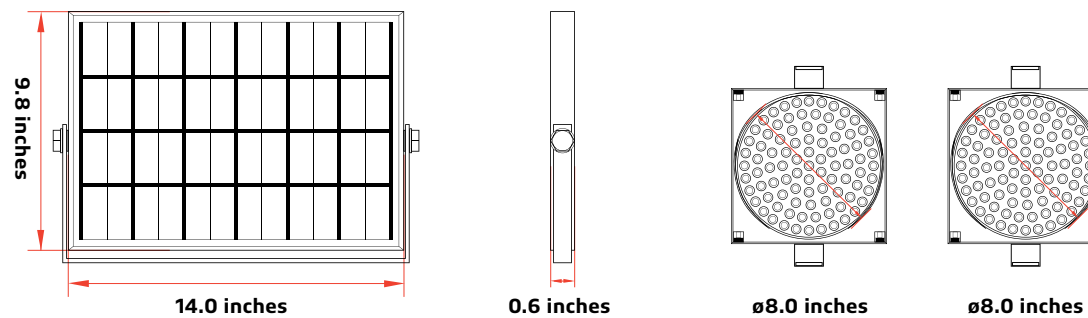
#### BEACON 12" Dual-heads



#### BEACON 8" Single-head



#### BEACON 8" Dual-heads



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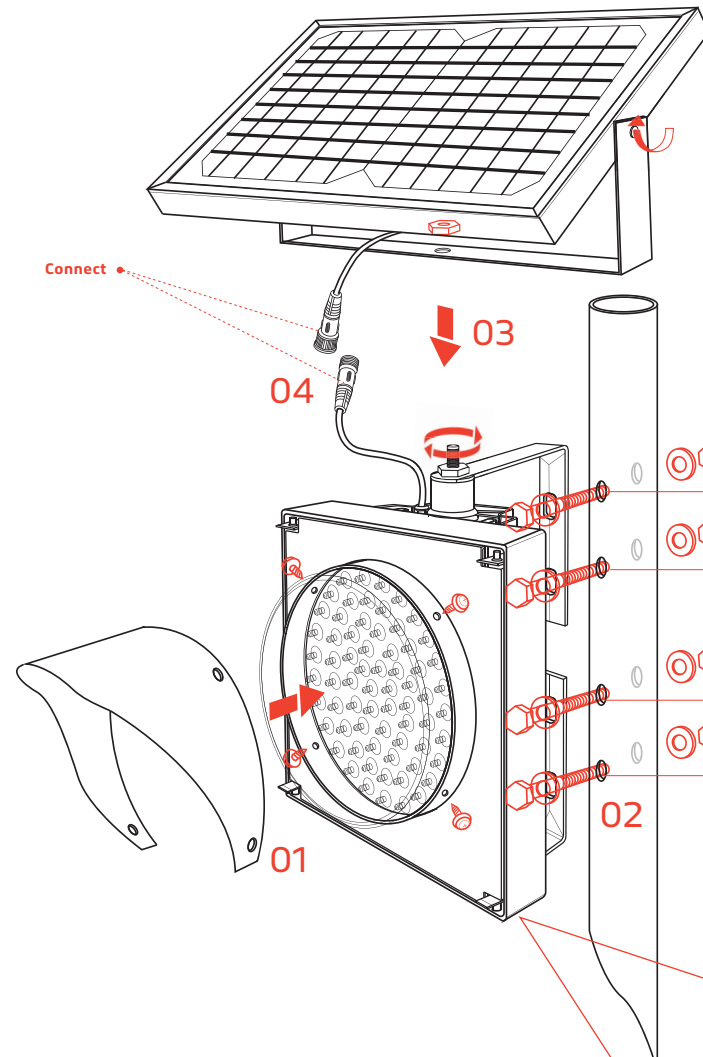
### SPECIFICATIONS

Specifications	BEACON 12" Single-head	BEACON 12" Dual-heads	BEACON 8" Single-heads	BEACON 8" Dual-heads
<b>LED Nominal Power</b>	6W	12W	3.6W	7.2W
<b>Solar Panel</b>	Mono-Crystalline 18V 10W	Mono-Crystalline 18V 12W	Mono-Crystalline 18V 10W	Mono-Crystalline 18V 10W
<b>Lithium Ion Battery</b>	12V 8.8Ah	12V 8.8Ah	12V 8.8Ah	12V 8.8Ah
<b>Light Color</b>	Yellow/Red	Yellow/Red	Yellow/Red	Yellow/Red
<b>Illuminance</b>	8,000 mcd (Red) 7,000 mcd (Yellow)	8,000 mcd (Red) 7,000 mcd (Yellow)	8,000 mcd (Red) 7,000 mcd (Yellow)	8,000 mcd (Red) 7,000 mcd (Yellow)
<b>Product Size</b>	Light Head $\phi$ 12.0 Inches Solar Panel 14.0 X 9.8 X 0.6 Inches	Light Head $\phi$ 12.0 Inches Solar Panel 14.0 X 9.8 X 0.6 Inches	Light Head $\phi$ 8.0 Inches Solar Panel 14.0 X 9.8 X 0.6 Inches	Light Head $\phi$ 8.0 Inches Solar Panel 14.0 X 9.8 X 0.6 Inches
<b>Beam Angle</b>	30°	30°	30°	30°
<b>IP Rating</b>	IP65	IP65	IP65	IP65
<b>Material</b>	UV-Resistant Polycarbonate	UV-Resistant Polycarbonate	UV-Resistant Polycarbonate	UV-Resistant Polycarbonate
<b>* Charging Time</b>	9hrs (1000W/m <sup>2</sup> )	9hrs (1000W/m <sup>2</sup> )	9hrs (1000W/m <sup>2</sup> )	9hrs (1000W/m <sup>2</sup> )
<b>Run Time (@Full Charge)</b>	5-7 Days	5-7 Days	5-7 Days	5-7 Days
<b>Working Mode</b>	24/7 12/7	24/7 12/7	24/7 12/7	24/7 12/7
<b>Standard Hardware</b>	Fits 3" to 4" Diameter Poles	Fits 3" to 4" Diameter Poles	Fits 3" to 4" Diameter Poles	Fits 3" to 4" Diameter Poles
<b>Flashing</b>	50 times per minute (customization available on request)	50 times per minute (customization available on request)	50 times per minute (customization available on request)	50 times per minute (customization available on request)
<b>Visible Distance</b>	>2,500 feet	>2,500 feet	>2,500 feet	>2,500 feet
<b>* Operating Temperature</b>	-20°C/-4°F to 140°F	-20°C/-4°F to 140°F	-20°C/-4°F to 140°F	-20°C/-4°F to 140°F
<b>* Charging Temperature</b>	0°C/23°F to 140°F	0°C/23°F to 140°F	0°C/23°F to 140°F	0°C/23°F to 140°F

\* The temperature can impact the battery's charge and daily operation.

\* The solar charge data is base on 77 degree F ambient temperature with the panel facing direct solar radiation. The standard radiation value is 1000W/m<sup>2</sup>.

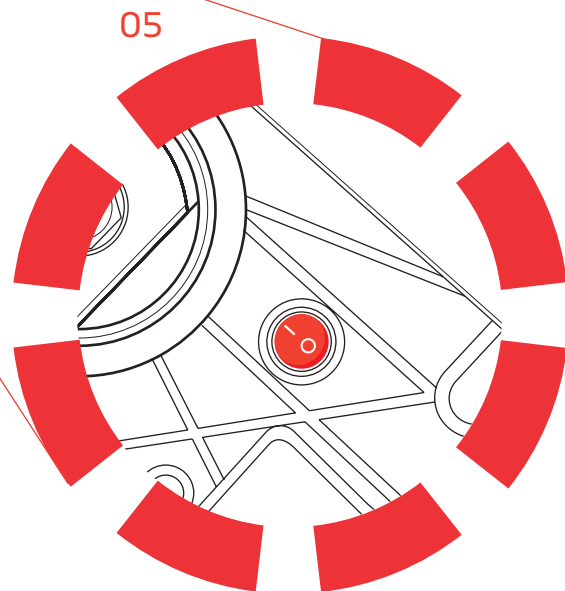
**INSTALLATION—8" & 12" Single-head**



- Check List**
- 1. Solar Panel (X1)
  - 2. Light (X1)
  - 3. Screw Kit (X1)
  - 4. Light Cover (X1)
  - 5. Light Cover Screw Kit (X1)

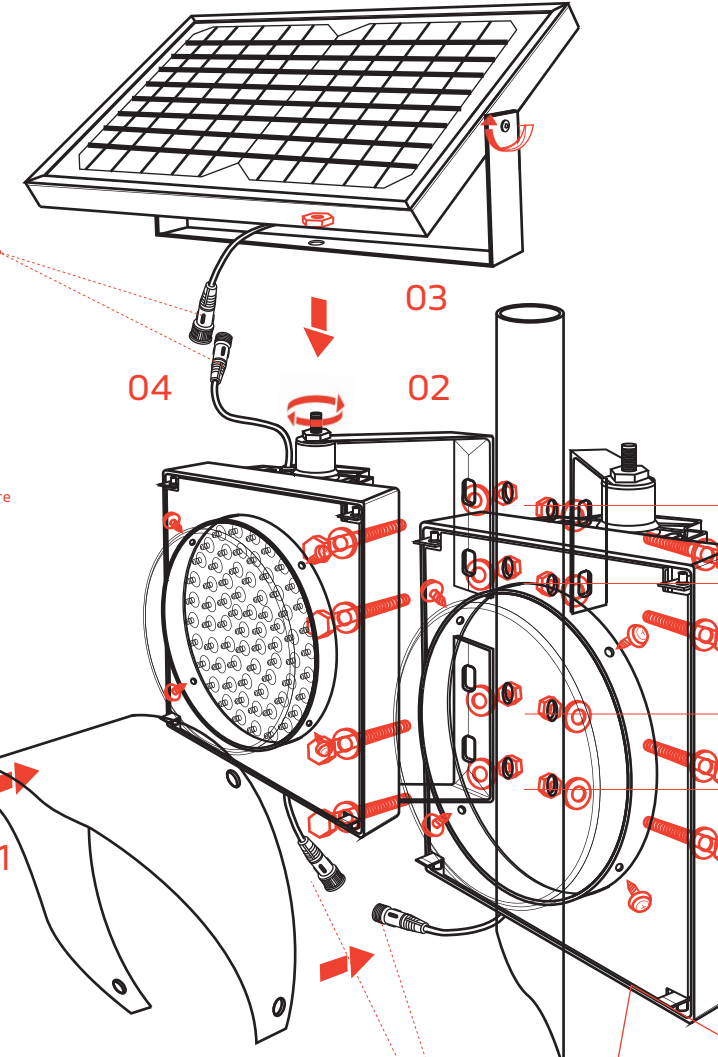
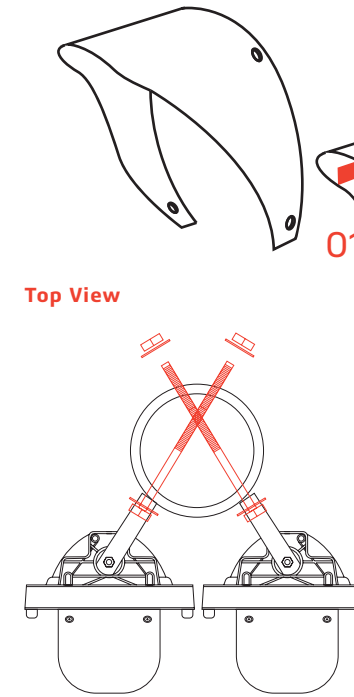
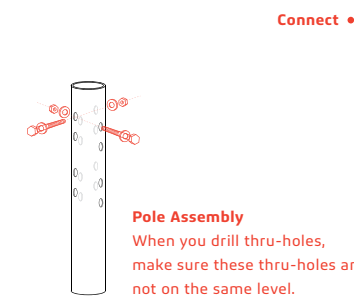
1. Roll up the light cover. Use the light cover screw kit to secure the cover on the light.
2. Install the light by screwing the light bracket to the pole with the screw kit.
3. Install the solar panel bracket to the light bracket, tighten to secure.
4. Connect the solar panel cable to the light cable.
5. Press the On/Off button at the bottom of the light to turn the light on.

Press the On/Off button at the bottom of the light to turn the light on.



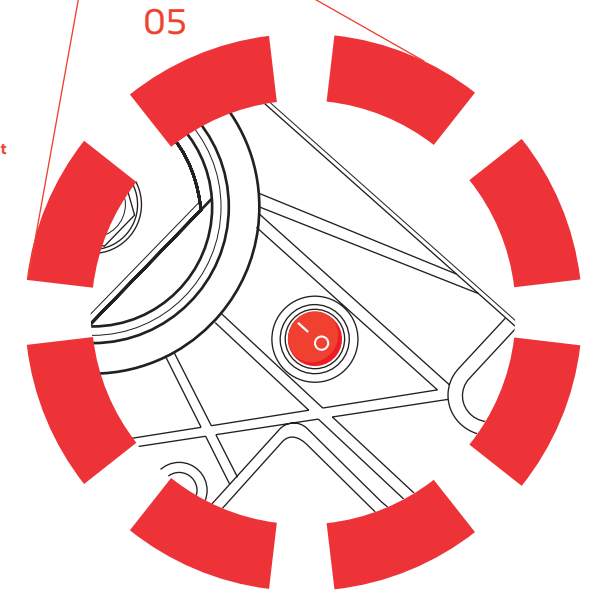
**INSTALLATION—8" & 12" Dual-heads**

- Check List**
- 1. Solar Panel (X1)
  - 2. Light (X2)
  - 3. Screw Kit (X2)
  - 4. Light Cover (X2)
  - 5. Light Cover Screw Kit (X2)



1. Roll up the light cover. Use the light cover screw kit to secure the cover on the light.
2. Install the light by screwing the light bracket to the pole with the screw kit.
3. Install the solar panel bracket to the light bracket, tighten to secure.
4. Connect two lights together with light cable, then connect solar panel cable to the light cable.
5. Press the On/Off button at the bottom of the light to turn the light on.

Press the On/Off button at the bottom of the light to turn the light on.





**BEACON 12"** Single/Dual-head **8"** Single/Dual-head

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**WARRANTY**

**BEACON products are covered by a 3 year limited warranty. SOLTECH urban light warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 3 years from date of purchase. To obtain warranty service please contact your local distributor or sales rep for further instruction.**



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*SOLTECH LLC reserves the right to update all product data sheets at any time. Consult SOLTECH marketing specialists for publication updates at [hello@soltechlighting.com](mailto:hello@soltechlighting.com)*

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