SOLTECH
Smart Solar Lighting

FOCUS 10W 20W **Turtle Friendly**

CATALOG		**COMMENTS**	
PROJECT			
PREPARED BY			
DATE			

APPLICATIONS

SOLTECH solar signage lighting FOCUS has an all-in-one design and comes complete with a self-contained solar power assembly sized to run the specified solar light fixture. Install FOCUS at businesses, stores, schools and community signs. FOCUS will bring security and sustainability, with no electric bill and low maintenance costs.

DESCRIPTION

FOCUS features an all-in-one design. The solar panel and battery are built with the hinged LED module as one complete system. There is no need for an extra power source, which eliminates the need for trenching, wiring, and electricity costs. Ideal for signage, billboards, landscaping, and architectural features. The fixtures will turn on at night, automatically, staying at 100% power for 4 hours (highest activity period) and then they dim down to 25%, for the rest of the night. FOCUS will bring security and sustainability with no electric bill and low maintenance costs.

CERTIFICATION DATA

HIGH LUMEN   IP65   WET WEATHER   MSDS   UN38.3

ORDERING INFORMATION

SERIES	WATTAGE	MOUNTING OPTIONS	SIZE
STL-JUPTF= FOCUS Turtle Friendly	**10**=10W 1000 Lumens **20**=20W 2000 Lumens	**ST**=GROUND MOUNT	**13**=13 INCHES **26**=26 INCHES

[   ] - [   ] - [   ] - [   ]

SPECIFICATION FEATURES

Generates More Solar Energy
- Crystalline Solar Panel with 45 degree tilted angle design. Produces double the energy compared to horizontal panels
- Built-in tempered glass solar panel, designed to offer self-cleaning operation between rainy and sunny days

Longer Life
- LED life 50000 hours
- Easy to change modular battery pack for further extend product life
- Integrated Smart controller provides true dusk to dawn operation, with first 4-hours at full brightness, followed by 25% until dawn

Adjustable LED Module Design
- The hinged LED module with solar panel is adjustable to aim at the target object
- The solar panel blocks most glare for observer eye comfort

Heavy Duty and Flexible Base Design
- A commercial-grade steel base adjusts the height of the telescopic mount to ensure the fixture is at the right illumination height

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PRODUCT SIZE
FOCUS 10W Turtle Friendly
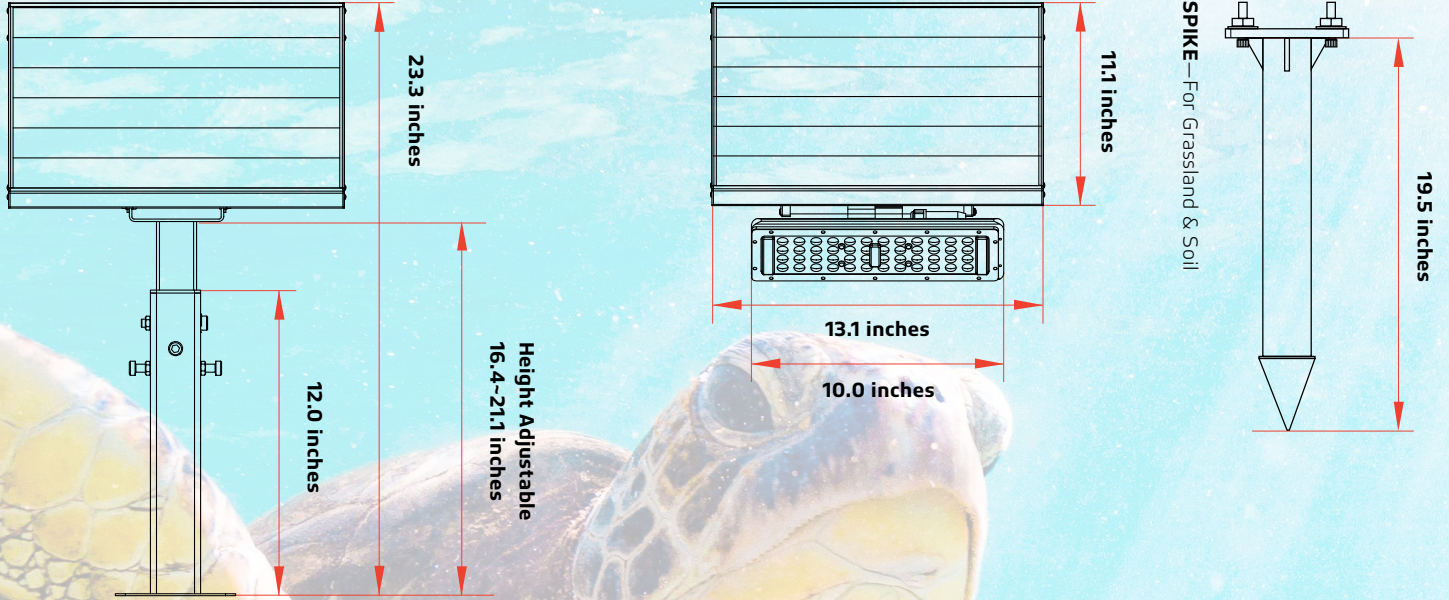
23.3 inches

Height Adjustable
16.4~21.1 inches

12.0 inches

11.1 inches

13.1 inches

10.0 inches

SPIKE—For Grassland & Soil

19.5 inches

FOCUS 10W Turtle Friendly

Height Adjustable
16.4~21.1 inches

12.0 inches

23.3 inches

11.1 inches

25.7 inches

20.3 inches

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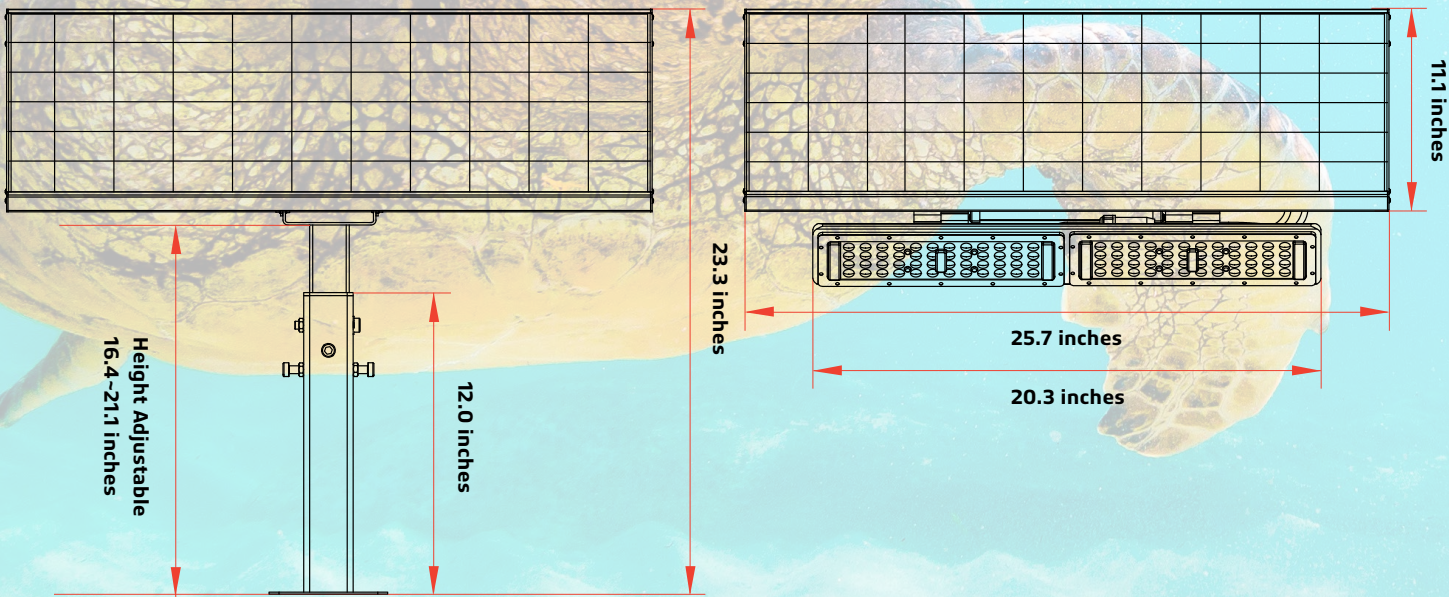
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SPECIFICATIONS

	10W	20W
LED Nominal Power	10W	20W
Solar Panel	12V 13W	12V 26W
Lithium Ion Battery	74WH 7.4V 10AH	148WH 7.4V 20AH
Wavelength	580–595 nanometer	580–595 nanometer
Lumen Output@5000K	1,000	2,000
CRI	> 70	> 70
LED Chip	OSRAM	OSRAM
Beam Angle	50° X 80°	50° X 80°
Waterproof Rate	IP65	IP65
Casting	PC & Aluminum	PC & Aluminum
Efficiency@5000K	100 lm/W	100 lm/W
*Charging Time	8–10hrs (1000W/m^2)	8–10hrs (1000W/m^2)
Run Time (@Full Power)	2–3 Days	2–3 Days
Operation Mode	First 4 hours 100% brightness, 25% brightness till dawn	First 4 hours 100% brightness, 25% brightness till dawn
*Operating Temperature	-20°C/-4°F to 149°F	-20°C/-4°F to 149°F
*Charging Temperature	0°C/32°F to 113°F	0°C/32°F to 113°F

* The temperature can impact the battery's charging and normal operation.

* The solar charge time data is base on 77 degree F ambient temperature with the panel pointed directly at the solar radiation. The standard radiation value is 1000W/m^2.

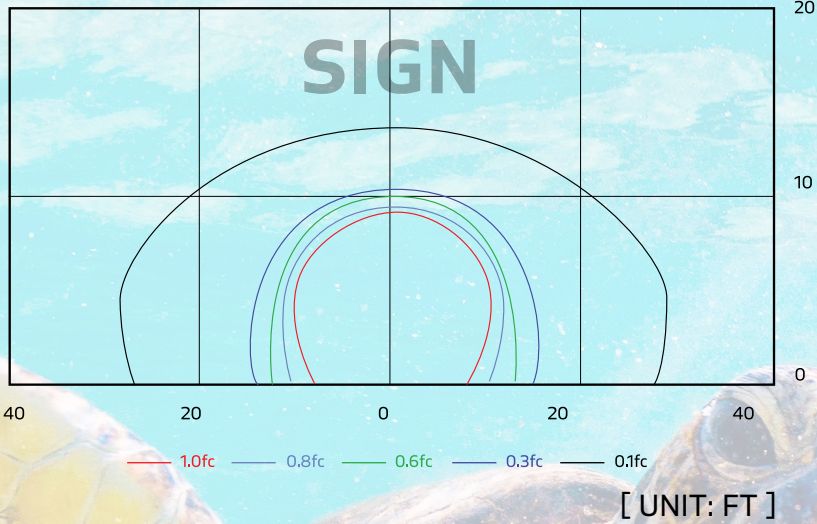Spectral Chart–SOLTECH Long Wavelength Amber LED

Standard Low Kelvin LED
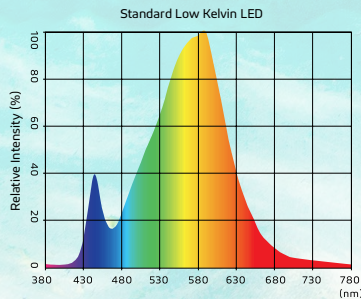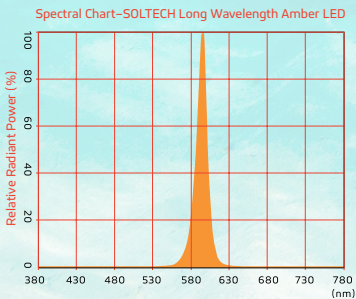
(Left) The SOLTECH turtle & marine LED nanometer light range is a narrow window invisible to turtles and safe for human eyes, marine-animal eyes, the night sky, and the general environment. Keeping the spectrum in this narrow window optimizes these functions. Regular LEDs (right) can produce a low 2,500 Kelvin spectrum that might appear equivalent to our amber LEDs, but the nanometer spectrum is still wide and therefore visible to marine life, more harmful to retinas, and causes more light pollution.

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IES / BEAM

FOCUS 10W [MOUNTING DISTANCE TO SIGN: 4FT]

SIGN

20

10

0

40   20   0   20   40

— 1.0fc   — 0.8fc   — 0.6fc   — 0.3fc   — 0.1fc

[UNIT: FT]

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FOCUS 20W [MOUNTING DISTANCE TO SIGN: 4FT]

SIGN

20

10

0

40   20   0   20   40

1.0fc   0.8fc   0.6fc   0.3fc   0.1fc

[UNIT: FT]

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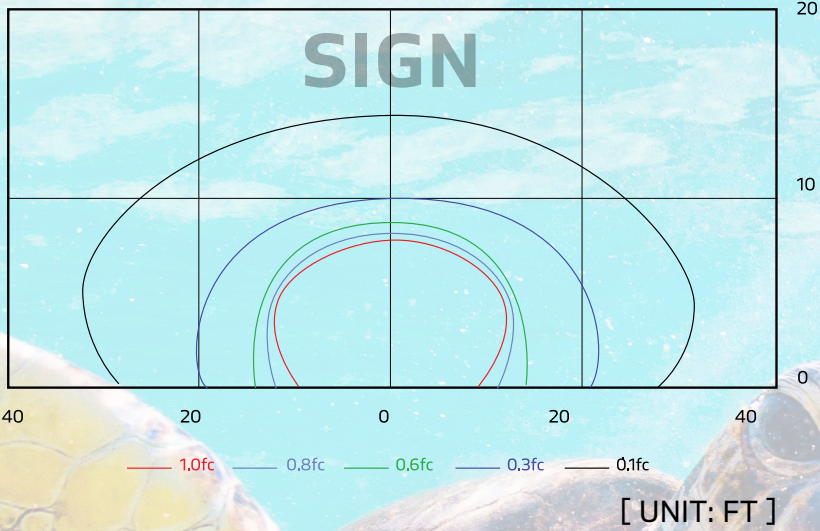
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INSTALLATION

01

Mounting Stand

SPIKE—For Grassland & Soil
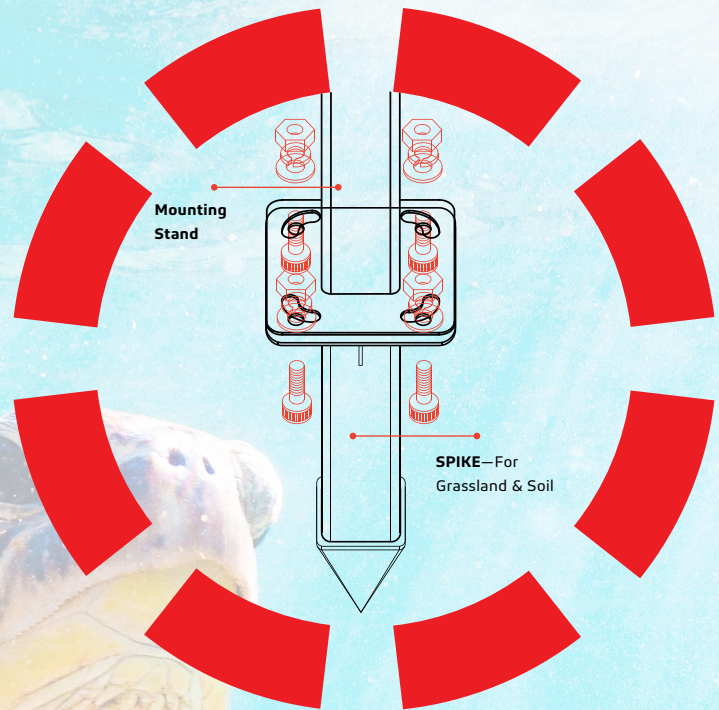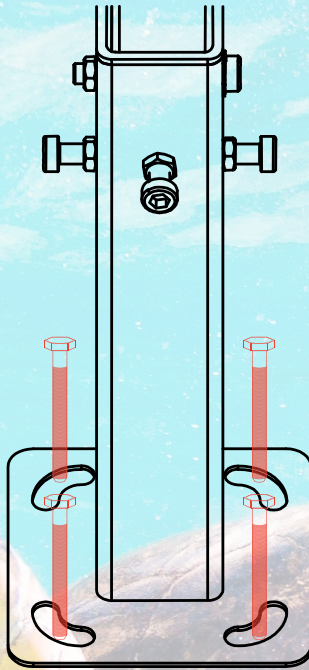
Secure Mounting
For signage near the ground, the FOCUS can use a drill installation into concrete, to create a secure, tightly bolted fixture.
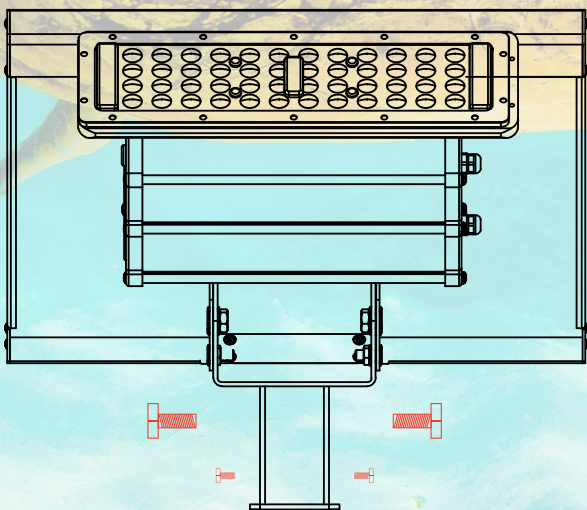
For Grassland & Soil
If you want to install the FOCUS on grassland and soil, you need **SPIKE** accessory.

1. Attach the **SPIKE** to the **Mounting Stand** and secure with four screws.
2. Press it into the grassland or soil.

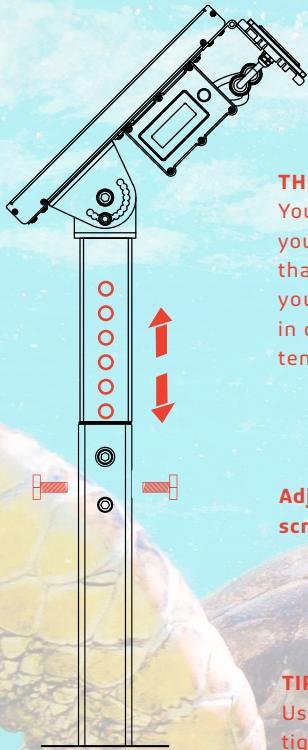**The FOCUS packaging does not include the spike, please place order separately.**

02

Attach light by using scale holes

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INSTALLATION

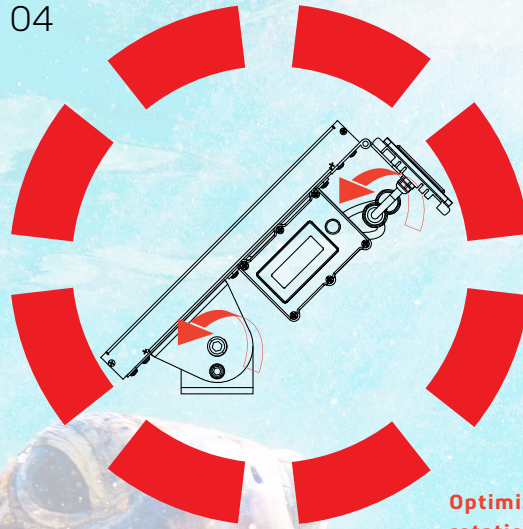| CATALOG		COMMENTS
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03

THE RIGHT ANGLE
You can adjust the angles of
your FOCUS solar light, ensuring
that no matter the installation,
you can provide a right angle
in different weather, signs, or
temperature situations.

**Adjust pole height, then tighten
screws to position.**

TIP
Use one bolt to set height, then
tighten rest of the screws.

04

Optimize efficiency by
rotation Panel and Light

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WARRANTY

FOCUS 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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