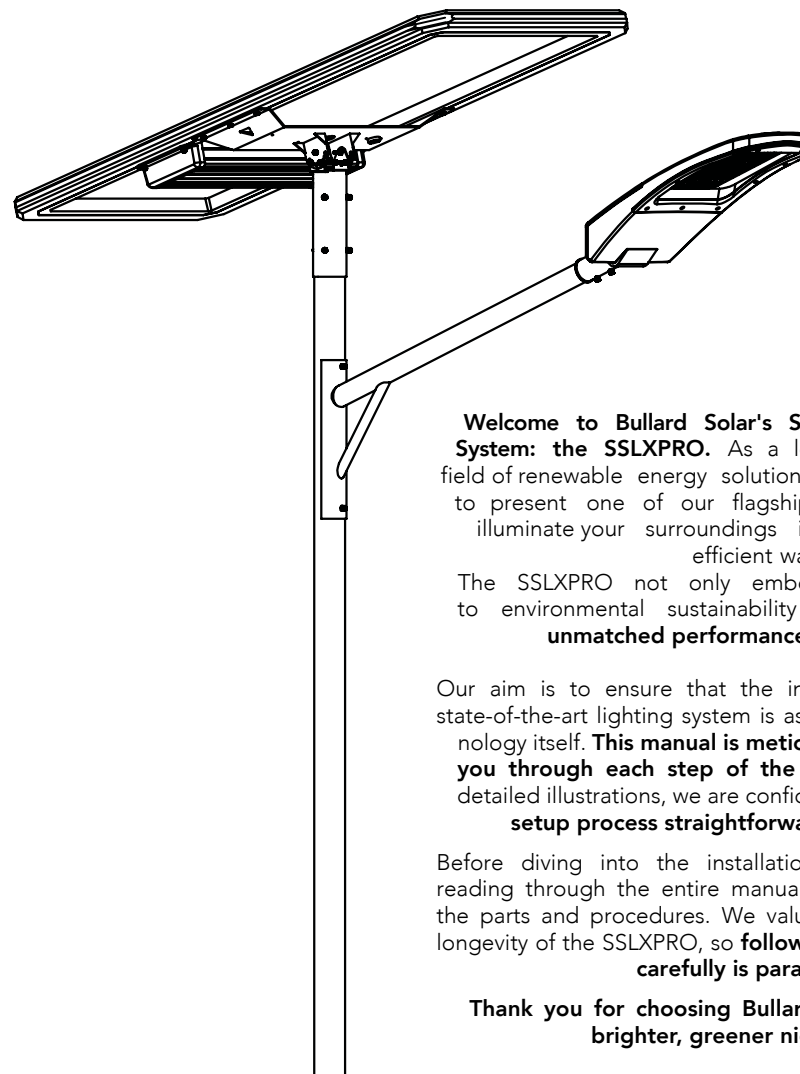


www.bullardsolar.com



Welcome to Bullard Solar's Solar Street Light Split System: the SSLXPRO. As a leading innovator in the field of renewable energy solutions, Bullard Solar is proud to present one of our flagship products designed to illuminate your surroundings in the most energy-efficient way.

The SSLXPRO not only embodies our commitment to environmental sustainability but also **guarantees unmatched performance and durability.**

Our aim is to ensure that the installation process of this state-of-the-art lighting system is as seamless as the technology itself. **This manual is meticulously crafted to guide you through each step of the installation.** Paired with detailed illustrations, we are confident that you will **find the setup process straightforward and hassle-free.**

Before diving into the installation steps, we recommend reading through the entire manual to acquaint yourself with the parts and procedures. We value your safety and the longevity of the SSLXPRO, so **following these instructions carefully is paramount.**

Thank you for choosing Bullard Solar, and here's to brighter, greener nights ahead!

PRODUCT MAINTENANCE AND DISPOSAL

1. CAUTIONS

To ensure the longevity and optimal performance of your SSLXPRO solar street light, kindly adhere to the following guidelines:

- **Handling:** Handle with care. Avoid dropping the product or placing heavy items on it.
- **Exposure:** Keep the product away from direct immersion in water. Ensure the solar panel is positioned away from the shadows of trees, buildings, etc. to maximize its efficiency.
- **Cleaning:** Avoid using cleaners that contain ammonia, benzene, or abrasive materials, as they can damage the product's surface.
- **Battery Maintenance:** For prolonged storage periods, recharge the batteries every 6 months to maintain their lifespan.
- **Parts Replacement:** Only use authentic SSLXPRO replacement parts. Do not substitute with parts from other suppliers as it might compromise the system's integrity and damage other components.

2. OPERATING AND STORAGE TEMPERATURE

For the SSLXPRO solar street light to function optimally, it's crucial to consider the temperature ranges for both operation and charging:

- **Discharge Temperature:** The product is designed to discharge effectively within a temperature range of -4 °F to 140 °F (-20 °C to 70 °C).
 - **Recharge Temperature:** Ensure recharging is done within a temperature window of 32 °F to 140 °F (0 °C to 70 °C).
 - **Safety Protocols:** The built-in controller has a protection mechanism. If the temperature goes below -2 °F (-10 °C) or exceeds 140 °F (60 °C), it will automatically halt charging to safeguard the battery.
- To guarantee the longevity and performance

of your SSLXPRO, refrain from installing it in areas where extreme temperature conditions surpass these limits.

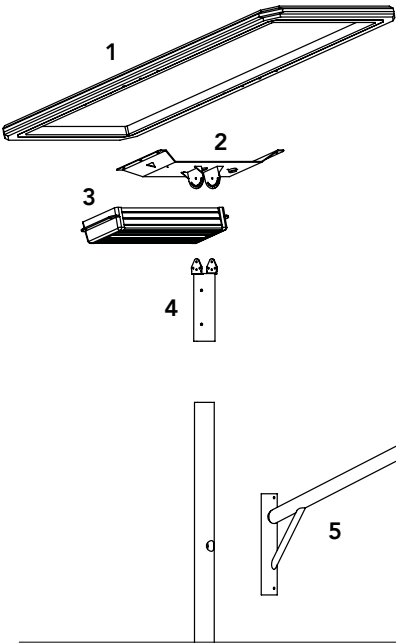
3. INSTALLATION LOCATION

Ensuring the correct location for your SSLXPRO solar light is crucial for its optimal operation. Adhering to the following guidelines will not only enhance its efficiency but also prolong its lifespan:

- **Sunlight Dependency:** The SSLXPRO system relies on sunlight to function. Make sure to select a model that matches the radiance or peak sun hours of your installation site. In regions with limited sunlight or after consecutive rainy days, the SSLXPRO might operate for shorter durations or may not activate at all.
- **Solar Panel Orientation:** Position the SSLXPRO's solar panel directly towards the sun to harness maximum solar energy. Avoid potential obstructions like trees or buildings that can cast shadows on the panel. Shadows can impede the battery's charging process and diminish the solar panel's efficiency, thereby affecting the unit's operational hours and overall battery life.

For optimal panel direction and angle, don't hesitate to seek guidance. We're always here to assist.

NOTE: The SSLXPRO's internal components boast an IP65 rating, ensuring they are waterproof and ready to stand up to challenging conditions. The luminaire's designed holes and slits serve dual purposes – facilitating heat dissipation and allowing for drainage. Moreover, its metal parts are crafted from anodized, rust-proof aluminum, capable of enduring both high temperatures and humid weather with ease.



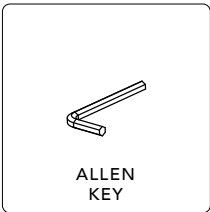
EXPLODED VIEW COMPONENTS OF THE SSLXPRO SOLAR STREET LIGHT



ANTI THEFT SCREW



STANDARD SCREW



ALLEN KEY



ANTI THEFT KEY

ANTI-THEFT TOOLS: ENSURES THE SSLXPRO REMAINS SECURELY IN PLACE AND REDUCES THE RISK OF UNAUTHORIZED REMOVAL

In the illustration provided, you can see an exploded view of all the key components of the SSLXPRO.

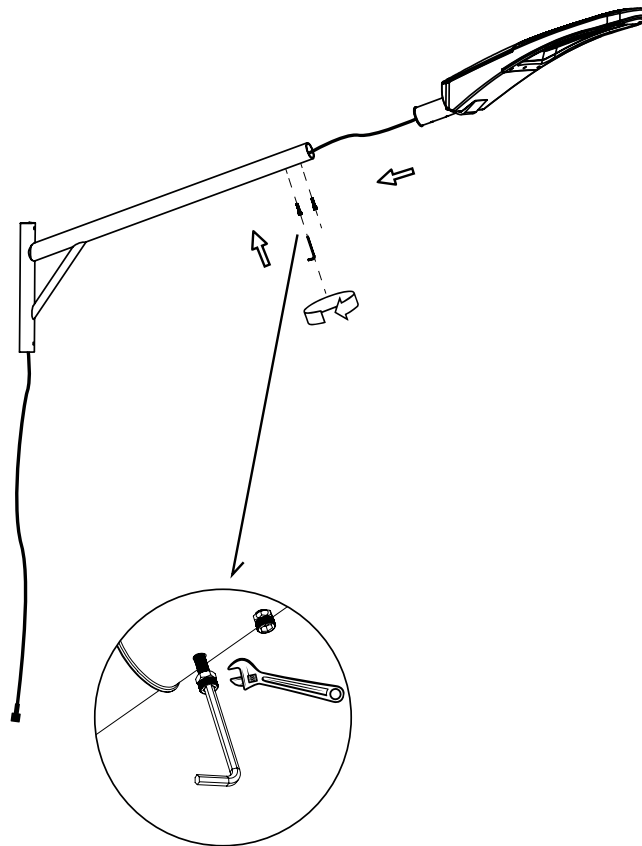
For ease of installation, only the LED Arm, LED Fixture, and Spigot need to be attached. The rest of the SSLXPRO comes pre-assembled, making it arguably the most straightforward solar street light to set up.

1. **Solar Panel:** Captures sunlight and converts it to electricity.
2. **Solar Panel Support:** Provides stability and holds the solar panel in place.
3. **Aluminium Casing with LIFEP04 Battery:** A durable case housing the high-performance lithium iron phosphate (LIFEP04) battery.
4. **Spigot:** Connects and secures the entire unit to its mounting.
5. **LED Arm Support:** Designed to hold the LED fixture securely.
6. **LED Fixture:** Main source of light output.

INSTALLATION GUIDE FOR **SSLXPRO SOLAR STREET LIGHT**

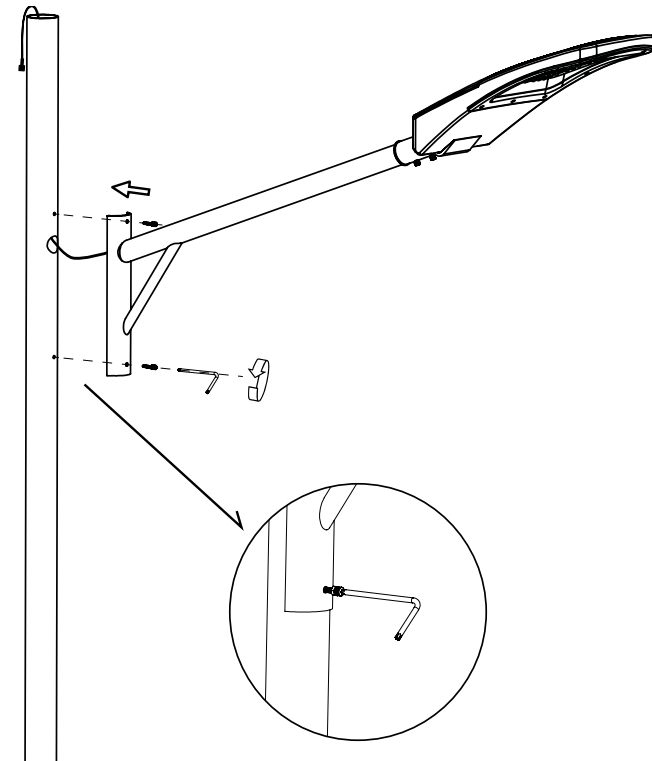
> STEP 1

Carefully insert the LED cable through the LED Arm. Once positioned, tighten the LED fixture to the spigot on the arm.



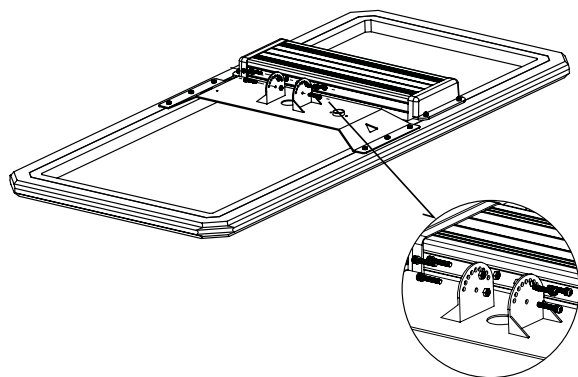
> STEP 2

Position the base of the LED arm onto the pole. Ensure it's securely tightened. Guide the LED cable to exit from the top end of the pole.



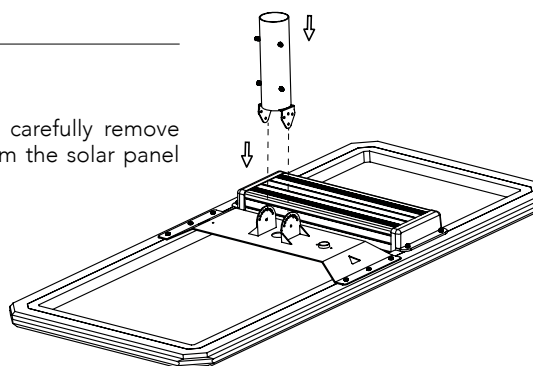
> STEP 3

Using the provided tools, carefully remove the pre-installed screw from the solar panel support.



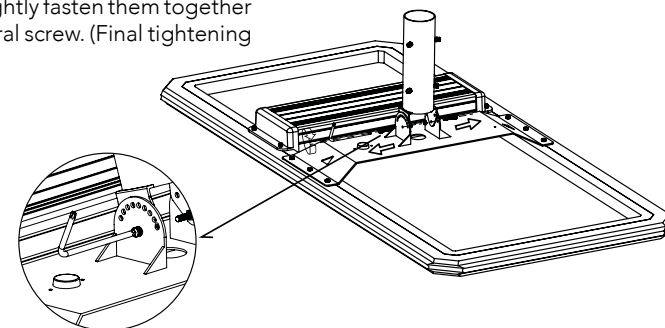
> STEP 4.1

Using the provided tools, carefully remove the pre-installed screw from the solar panel support.



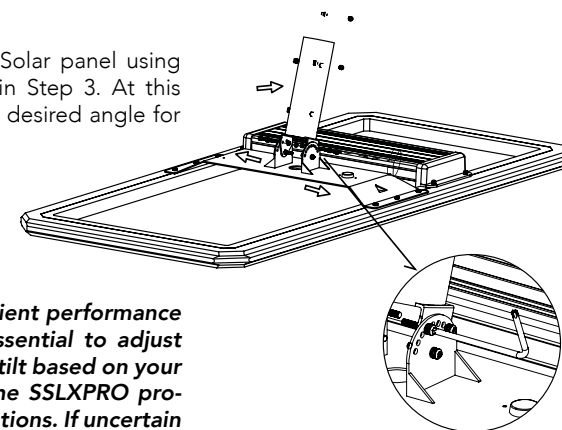
> STEP 4.2

Begin by fitting the Spigot to the solar panel support. Initially, slightly fasten them together using the main central screw. (Final tightening will come later.)



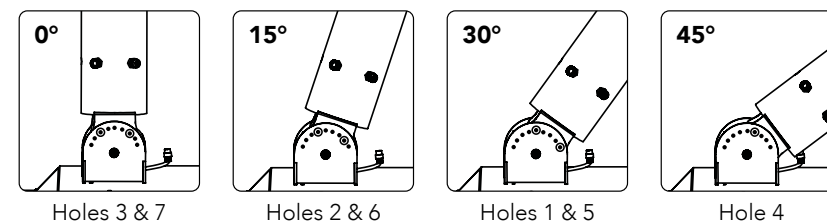
> STEP 4.3

Attach the Spigot to the Solar panel using the screws you removed in Step 3. At this stage, you can choose the desired angle for your panel.



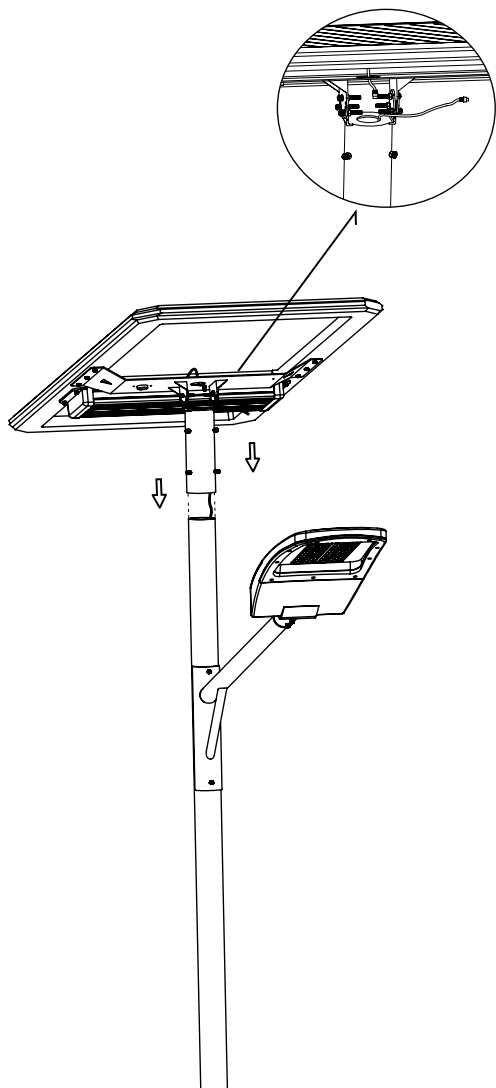
NOTE: For the most efficient performance of your SSLXPRO, it's essential to adjust both the orientation and tilt based on your geographical location. The SSLXPRO provides four different tilt options. If uncertain about the optimal position, please reach out to us or your reseller for guidance.

DIFFERENT AVAILABLE ANGLES



> STEP 5

Position the Solar panel over the pole, ensuring that the LED cable is threaded through the hole located in the upper part of the Spigot.



> STEP 6

Using the supplied tools, securely tighten the Spigot to the pole.

NOTE: It's imperative to select the right orientation for optimal solar capture.

In the Southern Hemisphere:

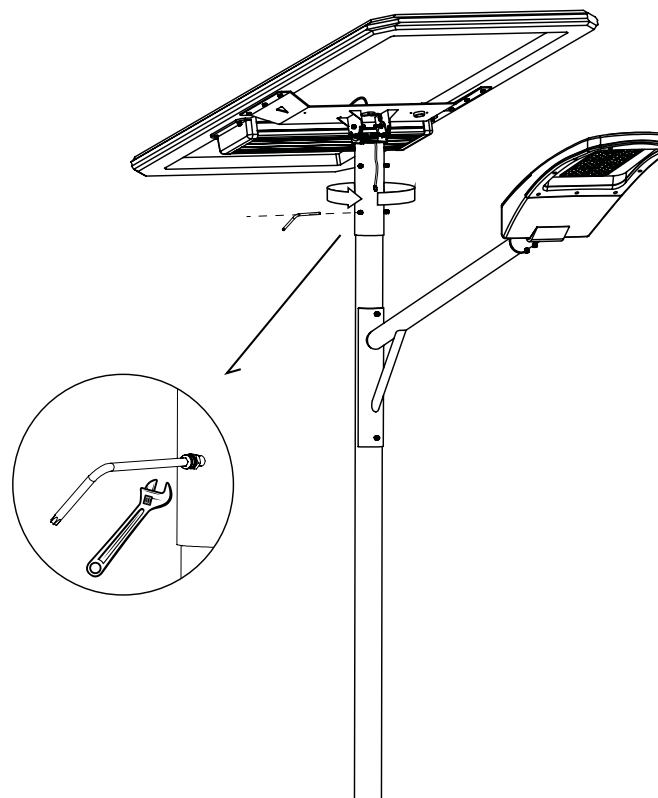
Face the panel North.

In the Northern Hemisphere:

Face the panel South.

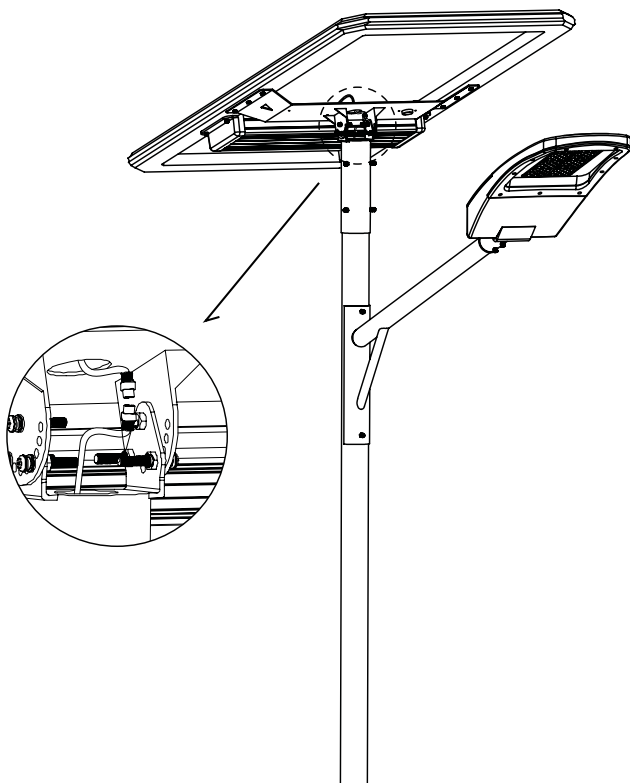
Near the Equator:

Opt for the smallest tilt angle possible.



> STEP 7

Carefully connect the two waterproof connectors labeled "LED." After ensuring a secure connection, press the "Switch On" button to activate the system.



INSTALLATION COMPLETE!

Your SSLXPRO system is now set up and operational. It is designed to function automatically, turning on at night and switching off at dawn. If the installation has been successful, you will notice a diode either slowly blinking or remaining steady on the movement sensor.

Should you have any further questions or require assistance, please don't hesitate to reach out to your reseller or directly to Bullard Solar. We're here to help!