



# SL29 SOLAR ALL-IN-ONE STREET LIGHT 5W TO 40W (WITH POLE)

## Technical Specifications

### GENERAL

Unique all in one design.

Weather rating is I.P. 65

Anti-tamper (theft resistant) stainless steel hardware included.

Anti-tamper bolt install/release tool included.

### LUMINAIRE

The LEDs are integrated into the luminaire.

A passive infra-red (PIR) motion sensor is built into the luminaire on all models.

Motion sensor detection range (at ground level) is up to 20' (6M) forward and with a 90 degree detection spread, up to 13' (4M) left/right.

The detection range will vary depending upon a few factors including the mounting height, local ambient temperature etc.

LED color temperature is around 6,000k.

The 5W model is fitted with multiple LEDs at 5W power and provides 550lm at full brightness and 180lm in ambient mode. Equal to approximately 120W of incandescent lighting.

The 15W model is fitted with multiple LEDs at 15W power and provides 1,950lm at full brightness and 650lm in ambient mode. Equal to approximately 250W of incandescent lighting.

The 20W model is fitted with multiple LEDs at 20W power and provides 2,600lm at full brightness and 900lm in ambient mode. Equal to approximately 300W of incandescent lighting.

The 30W model is fitted with multiple LEDs at 30W power and provides 3,900lm at full brightness and 1,300lm in ambient mode. Equal to approximately 400W of incandescent lighting.

The 40W model is fitted with multiple LEDs at 40W power and provides 5,200lm at full brightness and 1,700lm in ambient mode. Equal to approximately 500W of incandescent lighting.

These luminaires can typically illuminate continuously for up to 24 hours in ambient mode or up to 12 hours in full brightness mode.

The 5W model is approx. 13" x 9.5" x 2" (33cm x 24cm x 5cm) LxWxD.

The 15W model is approx. 27.5" x 14" x 2" (70cm x 36cm x 5cm) LxWxD.

The 20W, 30W and 40W models are approx. 45" x 13" x 2" (115cm x 33cm x 5cm) LxWxD.

The 5W model is ideal for lighting up an area approximately 20' x 20' (6m x 6m).

The 15W model is ideal for lighting up an area approximately 50' x 50' (15m x 15m).

The 20W model is ideal for lighting up an area approximately 60' x 60' (18m x 18m).

The 30W model is ideal for lighting up an area approximately 70' x 70' (21m x 21m).

The 40W model is ideal for lighting up an area approximately 80' x 80' (25m x 25m).

Silver/gray colored anti-static powder coated finish. Custom colors by special order only.

### BATTERY

Integrated high capacity lithium battery pack is included and pre-installed.

The system has built-in charge control regulation with over-charge and discharge protection.

### SUPPORT ARM

A support arm and mounting bracket is included to enable the luminaire to attach to a round pole from 2" (51mm) up to 3.5" (89mm) diameter.



**Worldwide**  
Shipping



**Lowest Price**  
Guarantee



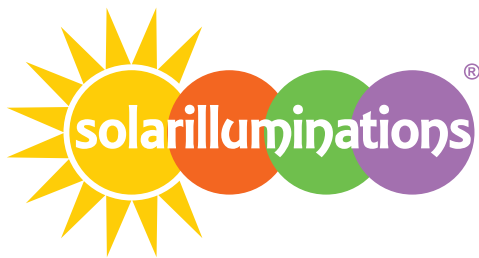
**Lifetime**  
Tech Support



**Extended**  
Product Warranty



**No Hassle**  
Return



# SL29 SOLAR ALL-IN-ONE STREET LIGHT 5W TO 40W (WITH POLE)

## Technical Specifications

### POLE

The 10' (3M) and 15' (4.5M) pole is made of galvanized steel and supplied with a choice of gray or black painted finish.

The 20' (6M) and 26' (8M) pole is made of galvanized steel and supplied in a painted gray finish.

The 10' (3M) pole is approximately 9.5' (285cm) high and has a welded base plate of approximately 1/3" (8mm) thick and approximately 10" x 10" (25cm x 25cm) square.

The 15' (4.5M) pole is approximately 14' 9" (435cm) high and has a welded base plate of approximately 1/3" (8mm) thick and approximately 10" x 10" (25cm x 25cm) square.

The 10' (3M) and 15' (4.5M) pole base has four pre-drilled elongated holes 3/4" wide.

The 10' (3M) and 15' (4.5M) pole is approximately 3" (76mm) diameter (O.D.) at the top and approximately 4.5" (115mm) diameter at the base.

The 10' (3M) and 15' (4.5M) poles are supplied with a rebar/anchor kit is included for installation into wet concrete with nuts, bolts and washers.

The 10' (3M) and 15' (4.5M) poles can be fixed to an existing concrete pad using suitable expanding anchor bolts (not included).

The 20' (6M) and 26' (8M) pole has a square flat base (flat plate) with pre-drilled holes for installation which are approx. 3/4" (20mm diameter).

The 20' (6M) and 26' (8M) pole has a square base plate which is approximately 12.5" x 12.5" (320mm x 320mm).

The 20' (6M) and 26' (8M) pole is supplied with J bolts and two templates for setting the fixing bolts into new, wet concrete are included and are approx. 12.5" x 12.5" (320mm x 320mm).

The 20' (6M) and 26' (8M) pole has a bolt pattern (diagonal distance from one hole center to another) of approx. 12.75" (323mm).

The top of the 20' (6M) and 26' (8M) pole has an outside diameter of approximately 3" (76mm) and tapers outwards towards the base.

The 20' (6M) and 26' (8M) pole has a diameter of approx. 6" (150mm) at its base decreasing down to approx. 3" (76mm) at the top.

Custom sized poles are available by special order and supplied at any height of choice between 10' (3M) and 26' (8M).

### SOLAR PANEL

The solar panel is integrated into the luminaire.

The 5W model is fitted with a 7W solar panel.

The 15W model is fitted with a 25W solar panel.

The 20W model is fitted with a 50W solar panel.

The 30W model is fitted with a 60W solar panel.

The 40W model is fitted with a 60W solar panel.

### CONTROL MODULE/CHARGE CONTROLLER

A charge controller is integrated within the luminaire.

A PIR/motion detector is integrated with the control module.

### INSTALLATION

An installation manual is included.

### REMARKS

Subject to warranty registration, a limited 20 year solar panel warranty applies and a limited 5 year warranty on all other components (excluding batteries). Battery warranty (if applicable) is with the battery manufacturer.\* Warranty registration is required (after purchase), otherwise a standard 30 day limited warranty will apply. After making your purchase, go to [www.solarilluminations.com/registration](http://www.solarilluminations.com/registration) to register your warranty. Additionally, unlimited, lifetime technical support is available for all warranty registrations.



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### PLEASE NOTE

This product is a special order and is non-returnable except in the event of a fault (during its warranty period) when the product, once returned will be repaired or replaced.

The solar panel must be installed in a location where it can receive full direct sunshine (when available) and usually set facing South at an appropriate angle (where adjustment options allow). The solar panel must not be installed in a shaded or part shaded location and never indoors. The standard specifications of the system (particularly the solar panel Wattage and battery capacity) may need to be adjusted. These components are determined by your geographic location, power consumption (LED Wattage) and the total amount of hours of illumination time required. Such changes to the standard specifications may increase or decrease the cost shown. Please contact us for more information or assistance. The illumination time is estimated and subject to various factors including (but not limited to) geographic location, seasons, temperature, weather conditions & location of product etc. The illumination time of most solar lights can reduce during winter months when the weather is poor and the days are shorter. During this time insolation hours decrease accordingly. Shorter illumination time due to one or more of the above factors does not define the product as being 'defective' or 'not as described'. All solar lights must be used in a completely dark location at night time otherwise they may not illuminate. Nearby strong lighting sources or ambient lighting may affect the operation of a solar light. This does not define the product as being 'defective' or 'not as described'. Please note, if you do not install or use this product for several months the battery may discharge naturally on its own. By allowing a battery to deep discharge it may cause irreversible damage as the battery may then lose the ability to recharge or hold a full charge. Although unlikely, we reserve the right to supply this product with any minor alterations or minor changes to the specifications (shown above by text description or by photographs) due to different supplies or product batches received, incorporating such product changes made by the manufacturer, without further notice. Descriptions, specifications and photographs are updated regularly but may not be current when minor changes to a product have only recently been made.

The product specifications above should be used as a general guide. We can offer modifications and changes to the specifications of this product if necessary. This may be required to meet your specific needs and/or due to the geographic location of the installation site. In locations where insolation levels are poor or lower than normal, a higher wattage solar panel and larger capacity batteries may be required. We offer product customization. MPPT, dual timer and dimming charge controllers are all available as optional extras. One or more motion sensors can also be added as an optional extra. Other options included UL listed or ETL certified components and the provision of Buy American Act (BAA & ARRA) compliance, if required. Photometric data, 3D renderings and planning of your lighting project is available. Please contact our sales department for more information before making your purchase.

\* View our Terms, Conditions and Policies (including our Returns Policy) for further information.

SUBJECT TO OUR TERMS & CONDITIONS, AND RETURNS POLICY.

