



# SolarLight™

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Fit and Forget, Sustainable  
Temporary Traffic Signals



# What is SolarLight™



SolarLight™ represents a leap forward in solar-powered temporary traffic signalling technology. Featuring dual-aspect solar panels, this groundbreaking product reduces the need for frequent battery exchanges, making it a game-changer for projects requiring long-term traffic management.

With only **one battery exchange required per year**, SolarLight™ dramatically cuts operational costs, improves safety, and significantly reduces carbon emissions, aligning perfectly with your business' ESG commitments.

## SolarLight™'s Innovative Features: Built for Efficiency and Durability

### Dual-Aspect Solar Panels

The two-panel design maximises energy capture and drastically reduces the need for battery exchanges to just once a year. SolarLight™ also incorporates SRL Solar PLUS®, a specially designed solar panel lid that replaces the standard lid, adding minimal weight but significant performance enhancements.

SolarLight™'s dual aspect solar panels operate on a slight angle, ensuring optimal solar energy capture while allowing rain and snow to slide off, preventing water accumulation and maximising efficiency in various weather conditions. With its robust and stable design, SolarLight™ ensures reliable performance in all environments, whether urban or rural.

### Stable and Robust Design

Four stability legs ensure the unit remains grounded, even on uneven terrains, making it ideal for construction sites or rural projects.

### Compatibility

SolarLight™ works seamlessly with SRL's existing Pedestrian, RadioLight, and EuroLight systems, including Multiphase ADS and UTMC compatibility.

### Battery Exchange Guarantee

SRL guarantees minimal battery exchanges—if more than one battery exchange per year is needed, SRL will perform them free of charge.

## Why SolarLight™ is the Smart, Sustainable Choice

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SolarLight™ is not just about technology; it's about delivering tangible benefits for businesses, the environment, and society:

### **Sustainability**

SolarLight™'s dual-panel solar system drastically reduces the need for frequent battery replacements, reducing the carbon footprint of your project.

### **Cost Savings**

Eliminate the weekly labour and transportation costs involved in battery exchanges. SolarLight™ offers long-term savings with its low-maintenance design.

### **Enhanced Health & Safety**

Less time spent in live lanes undertaking battery exchanges means reduced exposure to roadside hazards, improving worker safety.

### **Versatility**

Suitable for long-term projects in urban, rural, or construction settings, SolarLight™'s durable design ensures consistent performance.

### **Improved Traffic Flow**

With Multiphase ADS and UTMC connectivity, SolarLight™ enhances the efficiency of traffic management, reducing congestion and improving the overall experience for road users.

SolarLight™  
**saves money,  
improves  
safety, and  
protects the  
environment.**



## URBAN INFRASTRUCTURE

For long-term urban roadworks where portable signals aren't practical, SolarLight™ offers a semi-permanent solution that replicates the look and feel of permanent traffic signals.

## RURAL AND REMOTE

In remote areas, where travel times and battery exchanges are inefficient and costly, SolarLight™ provides a 'fit and forget' solution, significantly reducing operational visits.

## CONSTRUCTION

Its four stabilising legs make SolarLight™ perfect for uneven terrains such as construction sites, ensuring safety and stability without constant maintenance.

## LONG-TERM

SolarLight™ is cost-effective for projects lasting six weeks or longer, delivering efficiency over time and eliminating weekly battery exchanges.



## Stay Connected with SRL Telematics

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SolarLight™ is fully compatible with SRL Telematics, offering real-time remote monitoring and management to ensure optimal performance and safety.

### **Improve safety, mobility and efficiency with SRL**

**Telematics**, our powerful telematic monitoring system, which provides you with real-time data. This ingeniously small communications device is integrated in the signal box, with an easy-to-use dashboard and sophisticated functionality which enables you to enjoy full oversight of your traffic management system from anywhere.

**SRL Telematics is custom designed for SRL customers and is available 24/7 via a secure web portal.**

### **Live Location & Signal Status:**

Instantly see the exact location and live signal status of your traffic lights, eliminating wasted journeys and ensuring you're always in the know.

### **Battery Level Monitoring & Alerts:**

Easily identify battery levels in real time, allowing you to manage your traffic lights more efficiently and prevent unexpected downtime.

### **Geofencing & Utilisation Insights:**

Gain deeper understanding of your equipment's usage patterns with geofencing technology.

**SRL provides onboarding and ongoing training support for our telematics system.**

We'll work with you to set up alerts and system rules to offer timely reminders of your now infrequent battery exchanges.

Alerts can be set via SMS or email, to specified individuals, whatever works for you.

**SRL Telematics is also capable of providing a range of easy-to-digest reports, which can be helpful in reporting back to your customers.**



## SolarLight™ Technical Specifications

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DIMENSIONS: **705 MM X 575 MM X 2900 MM**

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FOOTPRINT: **1250 MM X 1100 MM**

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SIGNAL WEIGHT: **210 KG**

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BATTERY WEIGHT (AGM): **198 KG**

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NUMBER OF BATTERIES: **x 6**

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SOLAR PANEL MAX POWER ( $\pm 5\%$ ): **227W**

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OPERATING TEMPERATURE: **-40°C TO +85°C**

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CONVERSION EFFICIENCY: **24% MONOCRYSTALLINE SILICON**

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CERTIFICATIONS: **IEC 61215, IEC 61730, IEC 61701**

**BS EN 50556, BS EN 12675**

**BS EN 12368, BS EN 50293**

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SAFETY CLASS: **A**

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## Powering Traffic Signals with Solar Energy

SolarLight™ has been actively deployed on schemes across the UK for over 12 months, so we are confident about the signal's performance.

Maintenance is incredibly low thanks to the efficient solar system - an occasional panel clean is all that's needed to keep SolarLight™ operating at peak performance. Removing leaves and dirt, where possible, helps to improve the efficiency of the panels.

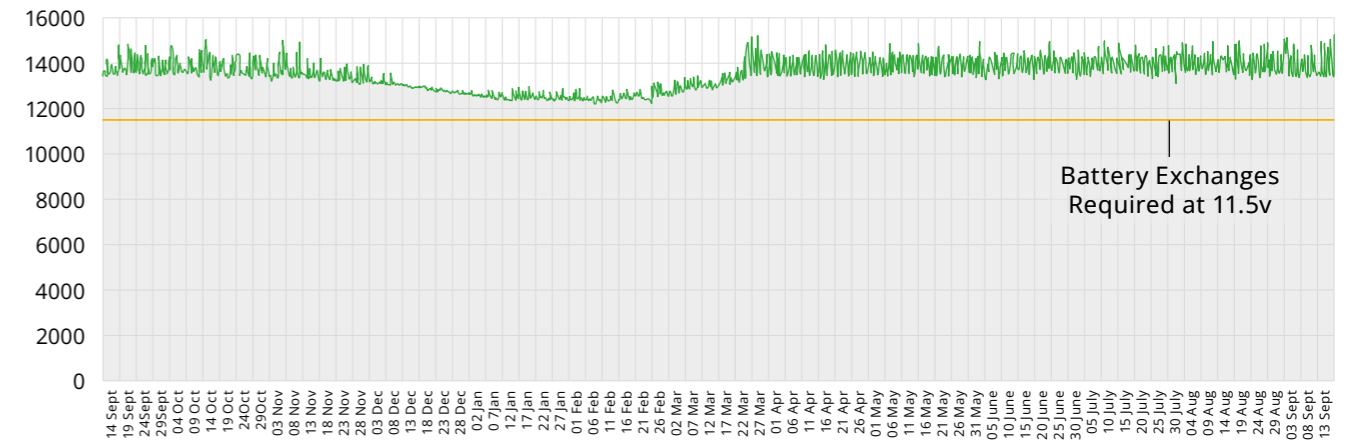


Asset Battery Voltage TM290

### SolarLight™ signal performance, reported September 2024.

Graph indicates continuous usage and no battery exchange requirements over a 12-month period.

Battery Exchanges Required at 11.5v



## Easy Installation, **Minimal Maintenance**

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SolarLight™ is installed by SRL using a forklift due to its heavier weight, but SRL's team will manage the entire installation process; the signals are delivered to site and carefully positioned, set-up and tested.

In some situations, road layouts evolve during the progression of the scheme. Speak to SRL about the best way to do this for your site, and how we can help.



# SolarLight™



**SolarLight™** is the sustainable, cost-efficient solution for your long-term traffic management needs.

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To find out more about SolarLight,  
Visit [srl.co.uk](http://srl.co.uk) or call us on **01606 738866**

