



# UltraLight™

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No Compromise, Just Performance.



# Introducing **UltraLight™**

Extended battery life

TOPAS 2540A compliant

Intelligent performance  
with Autoconfigured  
Multiphase ADS

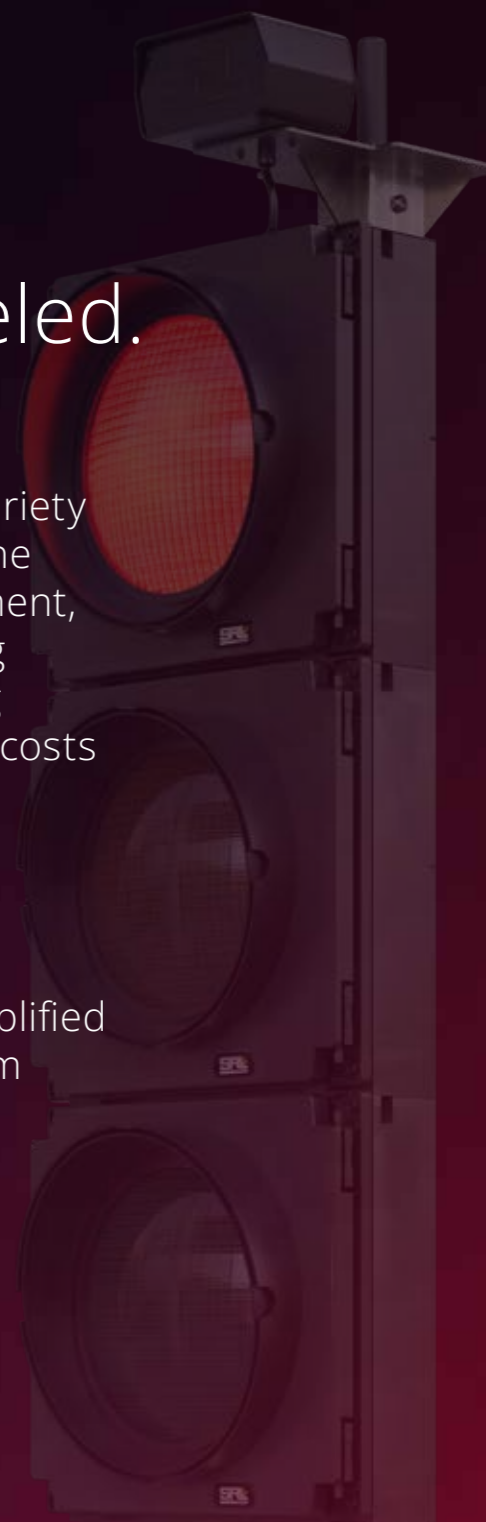


## **UltraLight™** Innovative. Unparalleled.

The traffic management sector faces a variety of significant challenges. These include the need for reliable and long-lasting equipment, ensuring the safety of workers, managing limited worker resources, and minimising environmental impact - all while keeping costs under control.

Introducing UltraLight™, the ultimate innovation in temporary traffic signals. With compliance to the highest industry standards, improved reliability and a simplified user experience, UltraLight™ is a premium temporary traffic signal like no other.

**Discover the next level of reliability, convenience, and efficiency with UltraLight™.**



## The Solution to Traffic Management Challenges

We understand that the safety, scarcity, sustainability and cost of resources are key challenges our customers face. UltraLight™ represents the first of our next generation of portable traffic lights, born from our customers' feedback.

### Enhanced Safety for Workers:

UltraLight™ dramatically improves safety by significantly reducing the time workers spend on-site for battery exchanges. Teams can spend more time focusing on critical tasks and less time replacing batteries.

### Easing the Pressure on People Power:

By reducing the frequency of maintenance and the need for heavy lifting, UltraLight™ eases the pressure on your workforce. The lightweight design and long battery life mean that fewer resources are required for setup, operation, and maintenance.

### Reducing Carbon Emissions:

The extended battery life of UltraLight™ reduces the need for frequent battery exchanges, which in turn reduces the carbon emissions associated with transport and logistics.

### Lowering Overhead Costs:

UltraLight™'s advanced features directly translate into cost savings. With fewer battery exchanges, reduced manual handling, and less downtime, your overhead costs are minimised and your benefit from a reduced total cost of ownership.

## RUN TIME THAT LASTS

Whether it's long-term roadworks or a short-term project, UltraLight™ ensures that your portable traffic lights stay operational for longer, reducing the need for frequent maintenance and battery changes. New, on-board battery charging ensures that UltraLight™ is always ready to go, reducing the need for manual handling.

What's more, the run time can be enhanced further by deploying UltraLight™ with our patented SRL Solar PLUS®.

## ENHANCED BATTERY SECURITY

Each UltraLight™ features a five bullet lock design as standard, providing enhanced battery security and peace of mind. Whether in urban environments or remote locations, UltraLight™'s robust security measures protect your investment, ensuring uninterrupted operation.

## LIGHTWEIGHT DESIGN FOR EASE OF USE

UltraLight™'s weight reduction translates to easier manual handling, reduced vehicle wear-and-tear and quicker setup times, saving you valuable time and effort on-site. UltraLight™ is designed for ease of transport and deployment.

## ADVANCED DETECTION AND CONFIGURATION

With our unique TOPAS 250SB registered ADS detector auto-configured as standard, UltraLight™ timings adjust automatically to cope with changing traffic volumes, ensuring accurate and efficient traffic detection, up to 50% more efficient than standard portable traffic lights. This advanced system enhances overall performance, allowing you to focus on what matters most – managing traffic flow safely and effectively.



## Industry-Leading Compliance

UltraLight™ meets the stringent TOPAS 2540A standards, ensuring that you are using the most reliable and compliant equipment on the market.

### What is TOPAS?

TOPAS provides customers with a system via which equipment can be verified against a set of quality criteria. A TOPAS registered product means that the product has been through the process of independent technical assessment and accepted by the TOPAS body to be registered as compliant to the requirements of the specifications which it states.

This compliance guarantees that UltraLight™ delivers top-notch performance with best-in-class reliability and reduced interference, keeping traffic moving smoothly and safely.



**A quantum-leap forward**  
in portable traffic light technology.

**Multiphase ADS is the only system in the UK** that has been independently modelled and **proven to reduce average queue lengths** at temporary traffic lights by up to 50%.

## Precision Traffic Management with Machine Learning (ML)

Available as standard, preconfigured into UltraLight™, Multiphase ADS (Automatic Detection System) is an advanced technology, designed to enhance traffic flow management and safety. It makes automatic adjustments of green times by using deep-learning algorithms to interpret the data received from our high-accuracy radar detector. It is the only truly multi-phase system.

### Automatic Configuration

The Multiphase ADS automatically detects and adjusts to varying traffic conditions without manual intervention. This ensures optimal traffic flow at all times, whether it's peak hours or quieter periods.

### Learning on the Job

Multiphase ADS responds in real-time to changes in traffic volume and flow, adjusting signal timings to minimise congestion and reduce wait times. The system allows for HGV start lag, allowing extra time to clear the site. What's more, if a vehicle fails to move during a green phase (e.g. due to a car stalling), the system automatically re-services that phase. It essentially behaves as if a new demand has been detected, allowing the signal to revert to the green phase for that lane without the need for a new detection signal. This ensures that the phase continues to service traffic without becoming 'stuck' on red, enhancing overall reliability. The system is fully optimised once it has seen morning and evening peaks, but still has the ability to make dynamic changes when required.



## Real-time Insights & Smarter Decisions with SRL Telematics

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**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.**





## Ready for Anything – **Robust and Reliable**

SRL have placed sizeable investment in refining both our software and hardware, in order to bring you UltraLight™.

The new, enhanced radio signal connectivity ensures a more robust and dependable communication between traffic signals, thereby improving system reliability and performance.

This advancement significantly reduces interference, resulting in smoother, uninterrupted traffic management.

What's more, with upgraded hardware components, and a new IP56 rating against water ingress, UltraLight™ is more durable, efficient, and responsive than ever before, providing unmatched reliability in even the most challenging environments.

## The SRL **Advantage**

### Modular Flexibility **and Cost Efficiency**

Like SRL's other portable traffic lights, UltraLight™ is designed as a modular system, offering exceptional flexibility in deployment.

One of its key advantages is the ability to use any controller box with either a pedestrian post or a traffic post, providing significant benefits for fleet utilisation. This feature allows you to optimise your fleet by seamlessly adapting to different project requirements, minimising downtime, and maximising efficiency.

This modularity not only simplifies storage and transport but also enhances operational efficiency, ultimately leading to greater cost savings. With SRL, you are investing in a versatile, future-proof solution that evolves with your needs, ensuring long-term value and adaptability.



## UltraLight™

A safer, smarter, and more sustainable choice for traffic management.

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

