



# Datasheet UltraLight™

## Key Benefits:

- Meets the highest industry standards with TOPAS 2540A compliance.
- Autoconfigured Multiphase ADS as standard.
- Link up to 18 signals with no cables needed.
- Enhanced radio connectivity reducing interference between signals.
- IP56 water ingress rating and robust design.
- Extended running time compared to EuroLight & RadioLight signals.

## Functionality at a glance:

- Adjustable red/green timings for traffic phases.
- Adjustable blackout timing for pedestrian phases.
- All red, all off and flashing amber modes.
- Automatic signal dimming.
- Max time sets capabilities.
- Part-time signal capabilities.
- Four bullet locks and one T-bar lock as standard.

For more information about UltraLight,  
Visit [srl.co.uk](http://srl.co.uk) or call us on **0808 2818 775**.

## Related Products:

- REMOS.
- Multiphase ADS.
- SRL SolarPLUS.
- SRL Euro Remote.
- SRL Telematics.

## Compliance:

- TOPAS 2540A.



PHYSICAL APPEARANCE	
Signal Head Configuration	Single Head and Double-Head Capability
Height	2320mm
Box Dimensions	465mm (H) x 710mm (W) x 800mm (D)
Overall	2320mm (H) x 710mm (W) x 800mm (D)
Weight	84kg (exc. batteries)      154kg (inc. LA battery) 183kg (inc. AGM battery)
Weight + SRL Solar PLUS	90kg (exc. batteries)      189kg (inc. AGM batteries)
Security	Four bullet locks and one T-bar lock as standard

POWER	
Battery Type	Lead Acid / AGM
Run Time	9 Days (LA) / 16 Days (AGM)
Battery Capacity	115 mAh (LA) / 100 mAh (AGM)
No. of Batteries	3
Charge Time	8 hours
SRL Solar PLUS Compatible	Yes
Operating Voltage	12v
Operating Power	8w

COMMUNICATION	
Detection Technology	SRL ADS Dectector (TOPAS 2505B)
System Range	~300m
Radio Frequency	458Mhz
SRL Telematics	Yes

OPERATING MODES	
Multiphase ADS	Yes
VA	Yes
All Red	Yes (via signal controller or remote)
Red Time Method	1 second increment changes
Adjustable Green Time	10s - 60s in increments of 1 second
Adjustable Red Time	1s up to 50s in increments of 1 second
Manual	Yes (via controller or remote)
Fixed Time	Yes (via controller)
Day Programming	Yes (on and off different days)
Part Time Signalling	Yes
Signal Dimming	Yes (Auto-dimming for night time operation)
UTMC Compatibility	Yes
Safety Class:	TOPAS 2540A

CONTROLLER	
Max Live Traffic Heads	18
Max Pedestrian Heads	16
Max Traffic Phases	18
Max Pedestrian Phases	8
Max Pedestrian Crossings	11
Max Total Signal Phases	8
Max Time Sets	5
Remote Control Compatible	Yes (SRL Euro Remote)



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Scan the QR Code for more product details.

OPTIONAL SOLAR TECHNOLOGY	
SRL Solar PLUS Power	50w
Intergrated MPPT (Maximum Power Point Tracking) Charge Controller	Yes
Cell Technology	Monocrystalline silicon
Conversion of Sunlight	24%
SRL Solar PLUS Weight	8kg
Safety Class	A
Operating Temperatures	-40°C TO +85°C

ENVIRONMENTAL	
<b>TOPAS 2540A Compliance</b>	
<b>Directives:</b>	
2014/30/EU - Electro Magnetic Compatibility Directive (EMC 2016)	
2014/53/EU - Radio Equipment Directive (RED) 2017	
2011/305/EU - Construction Products Regulations 2013	
SI 2005 NO 1803 - General Product Safety Regulations 2005	
(EU) 2015/863 (RoHS 3) - Restriction of Hazardous Substances	
<b>Standards:</b>	
BS EN 50556 - Road Traffic Signal Systems	
BS EN 12675 - Traffic Signal Controllers - Functional Safety Requirements	
BS EN 12368 - Traffic Control Equipment/Signal Heads	
BS EN 50293 - Electromagnetic Compatibility Road Traffic Signal Systems Product Standard	
BS EN 61010-1 - Safety Requirements for Electrical Equipment and Measurement, Control and Laboratory Use	
BS EN 60529;1992+A2:2014 - Degrees of Protection Provided by Enclosures	
BS EN 60068-2-64:2008+A1:2019 - Environmental Testing	
BS EN 62262:2002+A1:2021 - Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts	
BS EN 1990:2002+A1 - Eurocode. Basis of Structural Design. Compilation of BS EN 1990:2002 and The National Annex	



**TOPAS**  
Traffic Open Products and Specifications