

High Accuracy GPS/GNSS Streetlight Control Photocell

GPS-Controlled Dusk-Dawn, Part-Night & Dimming Photocell

This advanced streetlight control photocell uses GPS/GNSS satellite communications, enables dusk to dawn switching, part-night operation, and dimming control to deliver precise automation for **cost & energy savings**



Standalone Device
No Monitoring or CMS Needed
No Recurring Costs

Key Benefits & Features

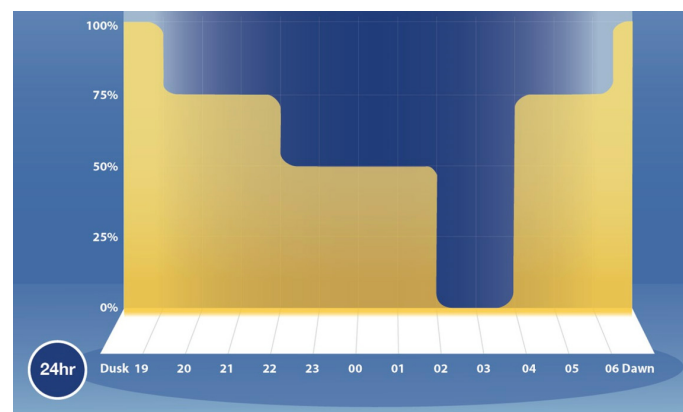
- **Built-in GPS** – GPS and GLONASS with SBAS receiver, incorporating high-precision map positioning with highly accurate dusk-to-dawn, part-night, and dimming calculation.
- **Programmable Operation** – Dusk-on/dawn-off, part-night switch-off, and dimming schedules tailored to your specification.
- **Reprogramming** - GPS/GNSS reprogrammable version also available.
- **Self-Correcting Performance** – GPS/GNSS synchronisation maintains long-term timing accuracy with no manual recalibration.
- **Energy Efficiency** – Reduces power consumption, delivering cost savings and environmental benefits.
- **Daylight Saving Option** – Configurable to automatically adjust for seasonal time changes.
- **Reliable Light Sensing** – Incorporates the same proven ambient light sensing used across all Westire photocells.
- **Wide Voltage Compatibility** – Operates on 110 V – 307 V AC, 50/60Hz, for global deployment.
- **ANSI/NEMA Socket Fit** – Designed for standard 3-pin or 7-pin ANSI/NEMA twist-lock sockets.

General		Environment & Compliance	
Dimensions:	H 62.5 mm × W 112 mm H 2.46" × W 4.40"	Operating Temperature:	-25°C to +70°C -13°F to +158°F
Receptacle Compatibility:	3 or 7-pin ANSI /NEMA	IP Rating:	IP66
Photocell Fixing:	ANSI/NEMA Twist-lock	Environmental Compliance:	Manufactured to comply with RoHS
Photocell Warranty:	8 Years	Designed to meet	ANSI C136.10- 2017 standard
Switching & Dimming		Power	
Light Level:	20:20 Lux (standard, other settings available on request)	Supply Voltage:	110 V AC to 307 V AC 50/60 Hz
Switching Ratios:	1:1 (Standard); Other ratios available on request	Power Consumption:	1.4 W (max)
Switching Time Delay:	25 seconds (or as requested)		
Switching Options:	Dusk-to-dawn, part-night		
Dimming Options:	Multiple dimming options available		
Ambient Light Sensor:	Silicone colour corrected ambient light sensor		
Time Reference	GPS		

Applications

- For accurate automatic dimming or midnight switch-off control of outdoor lighting to reduce energy consumption
- Ideal for road, street, area lighting and campus lighting
- Supports compliance with dark sky artificial lighting policies
- Suitable for security, amenity, and floodlighting for large energy-savings
- Where accurate outdoor lighting energy savings, dimming or part-night switching are required to save energy

Dimming Graph - dusk to dawn



Streetlight Dusk to Dawn Dimming Graph

The world's most accurate GPS/GNSS dusk-dawn, part-night, and dimming photocells