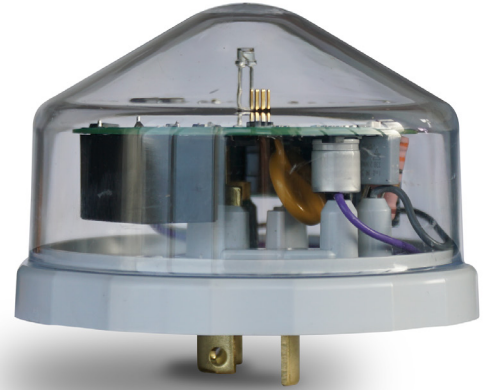


Westire RLD-3

Dimming Photocells

The photocell that upgrades your older LED luminaires by providing power to the DALI bus when the LED driver cannot.

A cost-effective, energy-saving solution ideal for retrofit.



Standalone Device

No Monitoring or CMS Needed

No Recurring Costs

Features & Benefits

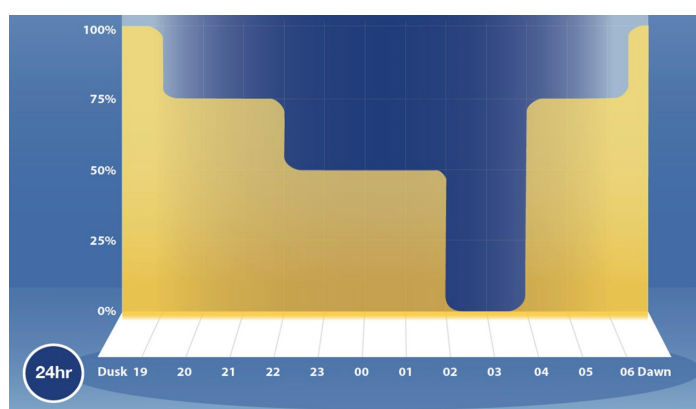
- **Scheduled Dimming for Cost Savings** – Reduces energy use and lowers operational costs
- **No Need to Open the Installed Luminaire Canopy** – Avoids disturbing the fixture or replacing existing DALI drivers
- **Retrofit-Friendly with Energy Savings** – Simple upgrade with significant energy reduction
- **Factory-Programmed Schedules** – Part-night, on/off, and dimming set to your spec
- **Advanced Solar Time Clock Control** – Precise dimming via Westire's latest algorithms
- **Overvoltage Protection** – Shields LED driver and light engine from power spikes
- **Extends LED System Life** – Helps maximise LED driver and engine lifespan
- **Self-Correcting Dimming and Part-Night Function** – Maintains consistent performance
- **Irish-Built Quality** – Engineered, assembled, and tested in Ireland
- **Top-Tier Components** – Built using the world's leading electronic materials
- **Supports Circular Economy** – Promotes reuse and extends asset lifespan

A Westire Fit & Forget® Photocell

General		Environmental & Standards	
Dimensions	78.4mm D x 69.8mm H 3.1" D x 2.3" H	Temperature rating Zhaga	-30° C to +70° C -22° F to +158° F
Connection	NEMA 3,5 & 7 pin, ANSI 136.10	IP Rating	IP68
Photocell Warranty	6 years. 10 years warranty option plans available	Enclosure Impact	IK09
		Standards	Manufactured to: IS EN ISO 9001:2015 Designed to: EN 55015, EN 61547, EN 61000 3-3, RoHS, ANSI C136.10, BS5972
Power		Switching & Dimming	
Mains supply:	105 - 264 V AC, 50/60 Hz	Communications:	DALI
Surge Protection:	320 Joule MOV (Metal Oxide Varistor). Optional 420 Joule MOV	Light Level Switching:	35 lux ON / 18 lux OFF as standard, others on request
Average Power Consumption:	500 mW	Time Delay:	25 seconds or on request
Max Current Load:	10 A	Switching Options:	Dusk to Dawn. Multiple options available or as requested.
Load Rating	1.8 kVA	Dimming Options:	Multiple options from 0–100% or as requested
		Time Reference Stabilisation:	< 3 days

Applications

- Delivering standalone dimming:
factory standard dimming schedule or customer-specified dimming schedules
- Fits all LED luminaires equipped with ANSI/NEMA 5 and 7-pin twist-lock sockets
- Dimming and control of all types of outdoor, street, road, security, amenity, and campus lighting.
- Interfaces with older-generation DALI LED smart drivers
- Wall-mounting socket and bracket available



Streetlight Dusk to Dawn Dimming Graph

Designed for the Older DALI Generation LED Streetlights