

westire
TECHNOLOGY



Creating World Class Lighting Controls since 1982

About Us

Westire Technology design and manufacture World leading controls & accessories for the exterior lighting industry with the most reliable Fit & Forget™ products on the market.

WESTIRE has unrivalled experience with street light control products and the street light industry, delivering Fit & Forget™ market leading solutions since 1982.

We have an installed base of over 7 million streetlights across Europe, North and South America, South Africa, Australia & New Zealand and the Caribbean.

Manufacturing

Designed, Developed, Manufactured and Tested in U.K. and Ireland.

Using the Highest Quality Components and Industry Leading Testing Processes



Ireland and England Location



Built To Last

Westire as a company is built on a foundation of bringing only the highest quality products to our customers and backing that up with personal service.

We have relationships in the lighting industry that have lasted decades, and for good reason. We use the highest quality components, the most rigorous testing and take pride in bringing you products that you can rely on. We build our products to last.

So when you install a Westire product you can just Fit & Forget™

Reduced Costs & Reduced Worry

There are many factors to consider in choosing a lighting control, other than price.

Day burners and high failure rates become costly for you. Especially with rising energy prices.

A Luminaire that doesn't switch on at the right time puts citizens safety at risk & potentially the customer at risk for litigation.

When you've invested heavily in a lighting project, you don't want to put all that at risk by installing low-quality controls that can jeopardise the entire installation and potentially create further costs in the long-term.

We Understand This. We also understand that choosing Westire photocells is an investment.

An investment into reducing your lighting costs.

An investment into quality products you won't have to replace.

An investment into safer citizens.

An investment into protecting our environment by choosing long-lasting products.

Specification	Features
Installation Type	NEMA/ANSI Twistlock Socket Fitting & Hardwired
Operating Voltage	200-265V AC, 50/60 Hz
Switching levels	10-200 Lux or as Requested
Enclosure Sealing	IP68
Rated Load	10 Amps
Temperature Range	-40 to + 80C
Switching Circuit	Relay Assisted Triac
Power Consumption	<0.25Watts Nominal
Design Life	35 Years
Warranty	12 Years Standard
BENEFITS Longest Proven Life on the Market – 40+ Years Lowest Failure Rate on the Market Most Accurate On/Off Switching – Saving You Money Built to Handle Extreme Hot & Cold Climates - Arizona & Alaska Part-Night Switching Available Hard-Wired Version Available Fit & Forget™ - No More Trouble. No More Costs	
For Further Technical Information See Westire DATA Sheet	

Westire 8480 Long-life Photocells



Specification	Features
Installation Type	NEMA/ANSI Twistlock Socket Fitting
Operating Voltage	105 - 305V AC, 50/60 Hz
Switching levels	10 - 200 Lux / 0.1 - 20 Fc
Enclosure Sealing	IP68
Rated Load	10 Amps
Switching Circuit	Relay Assisted Triac
Power Consumption	<0.25 Watts Nominal
Design Life	35 Years
BENEFITS Wide Voltage Range Photocells Longest Proven Life on the Market – 40+ Years Lowest Failure Rate on the Market Most Accurate On/Off Switching – Saving You Money Built to Handle Extreme Hot & Cold Climates - Arizona & Alaska Hard-Wired Version Available Fit & Forget™ – No More Trouble. No More Costs	
For Further Technical Information See Westire DATA Sheet	

Westire 8481/8481H & 8483 North Facing Long Life Photocells



8481 Photocell



8481 Hard-Wired



8481 North-Facing

Specification	Features
Installation Type	NEMA/ANSI Twistlock Socket Fitting
Operating Voltage	200-265V AC, 50/60 Hz
Switching levels	35 Lux ON / 18 Lux OFF. Others Available
Enclosure Sealing	IP68
Rated Load	10 Amps
Switching Circuit	Relay Zero Cross
Power Consumption	<0.25 Watts
Design Life	15 Years
Warranty	8 Years Standard
BENEFITS Sealed to IP68 as Standard Dusk-Dawn Photocell To Cater To Your Budgetary Needs Many of Our Industry Leading Features at Mid-Range Price North Facing Version Available Extended Warranty Available	
For Further Technical Information See Westire DATA Sheet	

Westire AcRo Photocell Range



Omni Directional



North Facing

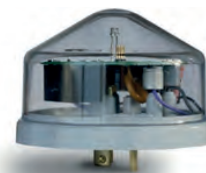
Specification	Features
Installation Type	Zhaga Book 18 Dali2 / D4i
Operating Voltage	24V DC Nominal
Switching levels	20 Lux @ 1:1 Ratio or as Requested
Enclosure Sealing	IP66
Switching Circuit	DALI Digital
Temperature Range	- 30° to + 70°C / -22° to + 158°F
Power Consumption	<0.01 Watts
Design Life	20 Years
Warranty	8 Years
BENEFITS Type A Control Device for Zhaga Book 18 Dali2 D4i Ecosystem Future Proof: Interacts with All D4i Devices Low Voltage for Reduced Cost Part-Night Also Available Available with Zhaga Socket Mounting Assembly	
For Further Technical Information See Westire DATA Sheet	

Zhaga Book 18 D4i Photocells



Specification	Features
Installation Type	NEMA/ANSI Twistlock Socket Fitting
Operating Voltage	85-305V AC, 50/60 Hz
Switching levels	35 Lux ON / 18 Lux OFF or as Requested
Enclosure Sealing	IP68
Rated Load	10 Amps
Switching Circuit	Relay Zero Cross
Temperature Range	-30°C to + 80°C -22° F to + 176° F
Power Consumption	<500mW
Design Life	15 Years
Warranty	8 Years Standard
BENEFITS Simple Energy Saving Standalone Device No Monitoring or CMS Needed No Recurring Costs DALI2 – D4i ANSI C136 Compliant Factory Standard or Customised Dimming Schedules Available	
For Further Technical Information See Westire DATA Sheet	

Westire 9400 DALI Dimming Photocell



Example Dimming Schedule



Specification	Features
Installation Type	NEMA/ANSI Twistlock Socket & Zhaga Book 18 Socket Fitting
Operating Voltage 9400	85-305V AC, 50/60 Hz
Operating Voltage Zhaga Photocell	24V DC from LED Dali Driver
Enclosure Sealing 9400	IP68
Zhaga Photocell	IP66
Power Consumption 9400	<500mW
Zhaga Photocell	<0.01W
PIR Motion Module	Powered from the DALI Bus
BENEFITS Even More Cost & Energy Savings Operates within DALI 2 – D4i Ecosystem Streetlights Remain Dimmed until Movement DALI2 – D4i ANSI C136 Compliant	
For Further Technical Information See Westire DATA Sheet	

Westire DALI Dimming Photocell & Motion Sensor



Westire Zhaga Book 18



Westire 9400 ANSI/NEMA DALI Photocell



TE Passive Infra-Red Photocell

Specification	Features
Installation Type	Hardwired Internal Fitting
Operating Voltage	200 - 265V AC 50/60 Hz
Switching levels	16/20/35/55 Lux (or as requested)
Enclosure Sealing	IP68
Maximum Load	1.5KVA/1000Watts
Rated Load	10 Amps
Temperature Range	-20°C to + 80°C
Switching Circuit	Relay Zero Point
Power Consumption	< 0.25 Watts
Design Life	15 years
BENEFITS Low Profile Enclosure Discreetly Contained within Luminaire Control Decorative Lighting Controls All Modern Fluorescent and LED Bollard Fully Encapsulated Electronics - Prevents Condensation Damage	
For Further Technical Information See Westire DATA Sheet	

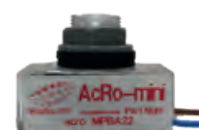
Westire AcRo Series Mini Photocell Range



AcRo Mini Dusk – Dawn & Part-Night



AcRo IR Bollard Photocell



AcRo Mini Photocell
IP 68 100% Sealed

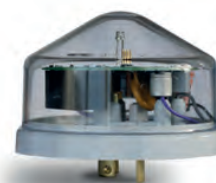
Specification	Features
Installation Options	Din Rail Mounting
Operating Voltage	85 - 265V AC, 50/60Hz
Functionality	7-days, 7 Setting Per/Day
Switching	Solar and Normal Time Based
Battery Backup	10 Years
Enclosure Sealing	IP56
Max Load Current	10 Amps Each Output
Temperature Range	-10°C to + 45°C
BENEFITS For Lighting, Heating, Air-Con, Alarms Automatically Adjust for Daylight Saving Time & Leap Year Ideal for Controlling Devices Where Definite Off-Times are Required Trusted by Customers such as British Rail & Glasgow City Council	
For Further Technical Information See Westire DATA Sheet	

Westire SET 45 Timeclock

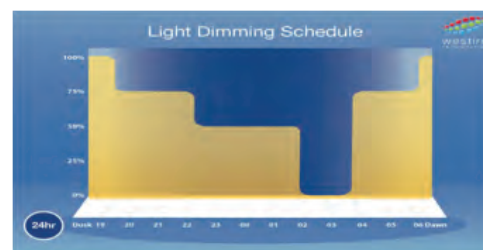


Specification	Features
Installation options	ANSI/NEMA Twistlock Socket Fitting
Operating Voltage	85 - 305V AC, 50/60Hz
Switching levels	35 Lux ON / 18 Lux OFF. Others on Request
Enclosure	IP68
Rated Load	10 Amps
Temperature Range	-30°C to + 80°C -22° F to + 176° F
Switching Circuit	Relay Zero Cross
Power Consumption	<500mW
BENEFITS * 0-10V Ideal for Markets like the USA * Simple Energy Saving Standalone Device No Monitoring or CMS Needed No Recurring Costs Factory Standard or Customised Dimming Schedules Available	
For Further Technical Information See Westire DATA Sheet	

Westire 9500 0-10V Photocell

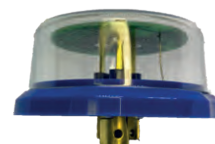


Example Dimming Schedule

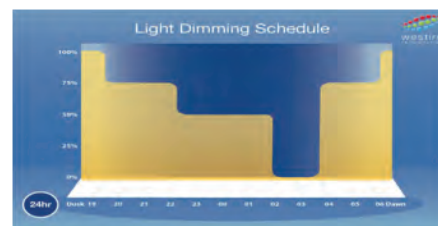


Specification	Features
Installation options	ANSI/NEMA Twistlock Socket
Operating Voltage	24V DC from DALI Driver
Switching levels	20/20 Lux Standard. Others on Request
Enclosure Sealing	IP68
Power Consumption	<0.01 Watts
Dimming	Multiple Dimming Options
BENEFITS DALI2/ D4I compatible ANSI C136.10 Dimming Photocell Utilizing Standard 7pin Socket Interface Type A Control Device for Zhaga Book 18 D4i Ecosystem Future Proof: Interacts with All Future D4i Devices Low Voltage for Reduced Cost	
For Further Technical Information See Westire DATA Sheet	

Westire 9700 ANSI/DALI D4i Dimming 24v DC Photocell



Example Dimming Schedule



Specification	Features
Mains Supply	105V to 480V AC, 50/60Hz
RCDMax Current	13 Amps
RCD Trip Speed	<40ms
RCD Enclosure	IP66
RCD Power	3250 Watts
RCD Trip Current	30mA
Max Load Current AC	10 Amps
DC Power Options	5v, 12v, 24v
Product Warranty Period	5 Years

BENEFITS
 Use Mains Power from Luminaire for Additional Devices
 Power Decorative Lighting, Sensors, Traffic Cameras
 Easy Step Towards Smart City, IoT Devices – Plug & Play
 Available with DC output and various Cable Lengths
 Trusted by Likes of London Met Police

For Further Technical Information See Westire DATA Sheet

Westire Power Tap



Mains or DC Power Tap

In-Line RCD

Mains or Dc Power Tap & Photocell Kit

Specification	Features
Measuring Range Volts	85-264V AC
Measuring Range Amps	0-10 Amps
Display	4-Digit LED
Interface	Dali / 0-10v
Measures	Volts, Amps, Watts, Power Factor
Range	0-100% Luminaire Brightness
Cable Length	1 Meter

BENEFITS
 LED Luminaire Diagnostic Tool
 Adjust Dimming Level of Luminaire
 Tests Functionality of Luminaire
 Measure Directly from the ANSI/NEMA Socket
 No Need to Carry Several Measurement Tools to Luminaire
 No Need to Waste Time Opening Luminaire

For Further Technical Information See Westire DATA Sheet

Westire Handheld Analyser



Specification	Features
Socket Fitting	ANSI/NEMA 3 Pin
Operating Voltage	85 - 264V AC, 47/63 Hz
Enclosure	UV Stabilised Polycarbonate
Rated Load	IP66
Measures	Volts, Amps, Watts, Power Factor

BENEFITS
 LED Luminaire Diagnostic Tool
 No Need to Carry Several Measurement Tools to Luminaire
 No Need to Waste Time Opening Luminaire

For Further Technical Information See Westire DATA Sheet

Luminaire Multimeter



Specification	Features
Dimensions	86.3mm Ø x 19.05 mm H 3.4" Ø x 0.75" H
Housing	Premium UV Stabilized Polycarbonate
Enclosure Sealing	IP65
Sealing Gasket	Non-shrink Neoprene Rubber Gasket
Contacts	Solid Brass Contacts
BENEFITS Water, Dust & Weather-Proof Seal to Luminaire Shorting Caps keep the Lights On or Off Surge Protection 320 Joule and 840 Joule available on Request Custom Colours Available	
For Further Technical Information See Westire DATA Sheet	

Low Profile Shorting Caps



Westire ANSI/NEMA Twistlock Socket Fitting Shorting Caps

Specification	Features
Contact rating	2A / 24V
Dielectric Withstand	15kV
Temperature Range	-40 to +90°C (-40F TO +186F)
BENEFITS Ideal for Zhaga Book 18 Luminaire Wall or Pole Zhaga Photocell Mounting No Mounting Screws Needed No Wiring Tools Required, Just "Poke-In" Wiring Supplied as a Kit	
For Further Technical Information See Westire DATA Sheet	

Zhaga Socket & Bracket Kit



Specification	Features
Installation options	ANSI/NEMA 3/5 and 7 Pin Sockets
Operating Voltage	600V AC
Load Current	15 Amps
Temperature Range	-40 to + 80°C (-40F TO +176F)
Socket Pins	3/5 or 7
Compliance	ANSI C136
Bracket Material	Polycarbonate UV Stabilised
Cable Sealing	IP67
Cable Length	3 meters. Other Lengths on Request
Makes Any Install Quick & Reliable Ideal For Surface Mounting Photocells And Smart/ CMS Nodes To Buildings, Walls And Structures Supplied As A Kit Which Includes The ANSI C136.41 / NEMA Socket, Gasket, Fastening Screws, Sealing IP 67 Gland And The Connecting Cable	
For Further Technical Information See Westire DATA Sheet	

ANSI/NEMA Bracket & Socket Kit



Westire Socket and Wall or Pole Mounting Kit



Westire 7 Pin ANSI/NEMA Socket

NOT EVERYTHING NOWADAYS IS BUILT TO LAST

The Westire 8480 is!

The Westire 8480 Long-Life
Streetlight Photocell
with 40 years proven life



NO failures.
fuss.

Just Fit and Forget®



westire
TECHNOLOGY

www.westire.com

Zhaga Book 18

Photocells & Accessories



Zhaga Book 18 Photocells

Type-A Control Device for Zhaga Book 18 D4i Ecosystem



With Various Multilevel Dimming
triggered by Westire's
Advanced Astro-Clock Algorithm

Zhaga Receptacle Mounting Bracket Kit

For **Wall & Pole Mounting** of Zhaga Sensors & Photocells

Simplifying Zhaga Device Installation



For further details visit [westire.com](https://www.westire.com)

Westire Dimming Photocells

Set Dimming Profiles and Times to Save Costs while Providing Lighting when Needed.

- ✔ Standalone Device
- ✔ No Monitoring or CMS Needed
- ✔ No Recurring Costs



Westire Technology – *Simply Fit & Forget*

+ 353 97 81209, + 44 20 3427 6930 | info@westire.com | www.westire.com



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CONTACT US



+353 97 81209
+44 20 3427 6930



info@westire.com



www.westire.com

