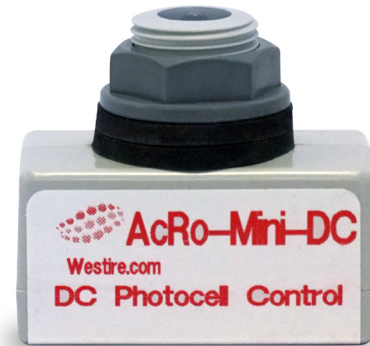


Acro Mini DC

ACRO MINI PHOTOCELLS

Engineered for independent low voltage outdoor environments



Accuracy

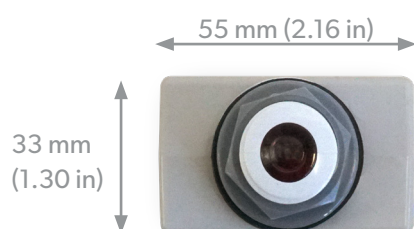
The Acro Mini DC photocell utilises a filtered silicon based ambient light sensor and microprocessor control. This accurate combination provides the best energy savings and reliable operation.

Longevity

Engineered in the EU with a 15 year design life and manufactured in-house using only high quality, name brand components, the Acro series photocells are renowned in the industry for their unparalleled quality and reliability.

Features & Benefits

- Controls all types of Solar powered lights or solar energy applications.
- 12V to 48V DC input.
- Can be installed within a Luminaire with the ambient light detector head protruding through the canopy facing the open sky for accurate Dusk to Dawn operation.
- Unique fully encapsulated electronic circuitry and light sensor. Completely impervious to moisture.
- Energy efficient design with a average power consumption <0.25 watts
- Sensor drift is zero over the photocell guaranteed life.
- Incorporates Westire's unique Acro ambient light sensing microprocessor technology.
- Sensor window designed to survive all types of outdoor conditions.
- UV stabilized polycarbonate housing is rated and tested to IP 67.
- A full electrical and 48 hour operational burn-in test is performed on every unit before leaving the factory.



Technical Specifications

Summer 2024

General		Environmental	
Dimensions	Overall Housing: 55mm L x 33mm D x 48mm H 2.16" L x 1.3" D x 1.88" H Sensor Window: 12mm Ø x 18mm (M20) 0.79" Ø x 0.70" (M20)	Operating Temperature	-20 C to +80 C -4 F to +176 F
Warranty	8 year standard. 10 year available on request.	Enclosure Protection Rating	UV stabilised Polycarbonate housing and unique light diffusion lens. Enclosure provides full protection from internal luminaire light leakage and 'side-on' internal refraction and IP67 sealing properties.
Power		Standards Compliance	Environmental RoHS, EN55015, EN61547, EN6100-3-2, EN6100-3-3 ETL UK 773, CSA 22.2, IS EN ISO 9002: 2015, ANSI C136.24 2004.
DC Supply Voltage	12V to 48V Direct Current	Switching	
Power Supply Consumption	See below	Switch "On" Light Level	10, 15, 35, 55, 70 and 100 lux as standard (others on request)
Maximum Load Current (A)	10 Amps AC 5 Amps DC from the load	Switching Ratio	1:0.5, 1:1 or 1:1.5 ratios (others on request)
Lead Length	0.5 meters 20 AWG	Ambient Light sensor	Filtered ambient light photodiode
		Switching Time Delay	25 seconds
		Photocell Load Switching	Relay Switching (Latching or non – latching depending on the application)
		Switching Options	Dusk to Dawn. Part night option available

Power Consumption				
Version	12V	24V	36V	48V
AcRo Mini DC Standard	0.22W	0.24W	0.28W	0.29W
AcRo Mini Low Power	0.094W	0.11W	0.13W	0.16W