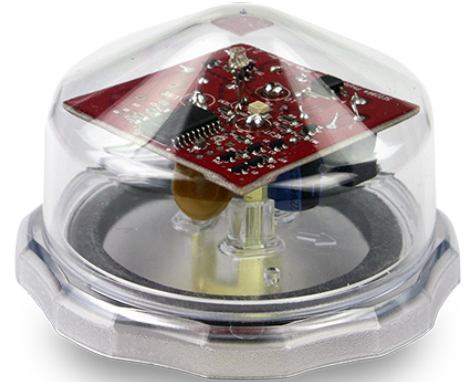




## Acro NEMA

ACRO NEMA PHOTOCELLS

Engineered for today's  
demanding applications.



### Accuracy

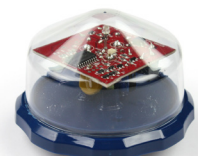
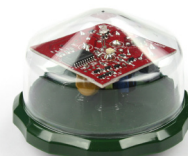
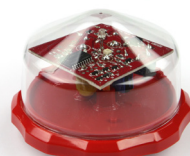
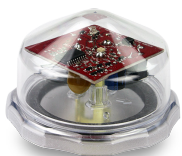
The AcRo series photocell utilises a filtered silicon based ambient light sensor and microprocessor control running advanced algorithms that more accurately determine calculated midnight and part night switching. This combination provides the best energy savings and reliable operation.

### Quality

Engineered and assembled in the EU, with a 15 year design life using only name brand components and high quality materials. The AcRo series photocells are renowned in the industry for their unparalleled quality and reliability.

### Features & Benefits

- Advanced electronic circuitry ensuring reliability and longevity.
- Designed to meet the needs of LED fixtures while still maintaining proven reliability for more traditional technologies.
- Energy efficient design with a average power consumption <0.25 watts
- IP65 rated UV stabilised polycarbonate housing. IP67 sealing available upon request.
- Low Profile enclosure.
- A full electrical and 48 hour operational burn-in test is performed on every unit before leaving the factory.
- ROHS compliant.



# Technical Specifications

General		Environmental	
Dimensions	86.3 Ø x 53.34 mm H 3.4" Ø x 2.1" H	Operating Temperature	-20° C to +80° C -4° F to +176° F
Receptacle Compatibility	ANSI C136.10 / ANSI C136.41	Enclosure Protection	Ultrasonically welded UV stabilised polycarbonate enclosure providing sealing up to IP65. IP67 available upon request.
Warranty	10 Year Standard	Standards Compliance	Environmental RoHS, EN55015, EN61547, EN6100-3-2, EN6100-3-3 ETL UK 773, CSA 22.2, IS EN ISO 9001: 2015, ANSI C136.24
Power		Switching	
Mains Supply	105 - 135 Volts AC - 50/60 Hz. 195 - 265 Volts AC - 50/60 Hz.	Switch "On" Light Level	10 to 200 Lux - 1 to 18.5 fc ± 0.025
Power Supply Consumption	Less than 0.25 Watts	Switching Ratio	1:0.5 to 1:1.5
Maximum Load Current (A)	10 Amps	Ambient Light sensor	Colour corrected photodiode + amplifier
Load Rating	1800 VA Ballast / 1000 Watts	Switching Time Delay	25 seconds or as specified
Surge Protection	132J standard 320J optional	Switching Options	Dusk to Dawn

## Ordering Information

AcRo 120 N1 - 1 C 1 - N = AcRo120N1-1C1-N

AcRo	XXX	X	X	X	X
<b>Operating Voltage</b> 120 - 105 to 135 VAC 230 - 195 to 265 VAC	<b>Off:On Ratio</b> 1 - 1:1 2 - 1:0.5 3 - 1:1.5	<b>On Level</b> A - 10 Lux (1.0 FC) B - 20 Lux (1.8 FC) C - 35 Lux (3.25 FC) D - 55 Lux (5.0 FC) E - 60 Lux (5.5 FC) F - 70 Lux (6.5 FC) G - 120 Lux (11.0 FC)	<b>Surge Protection</b> 1 - 132 J MOV, 275V, 4.5kA, 16.5mm 2 - 32s0J MOV, 320V, 12kA, 20mm	<b>Housing Colour</b> B - Blue G - Green N - Black R - Red C - Clear	