

Longlife Photocell

WESTIRE 8400 SERIES

The most accurate
outdoor lighting
photocell on the market



Locking Type (NEMA)



Conduit



North Facing

Accuracy

The 8400 series photocell utilizes Westire's Eye Response filtered silicon light sensor and microprocessor control. This accurate combination provides the best energy savings and reliable operation.

Quality

Engineered, in the EU, with a 35 year design life. Manufactured in-house using only high quality name brand components, the 8400 series photocells are renowned in the industry for their unparalleled quality and reliability.

Features & Benefits

- Designed for modern light sources like **LED**, Induction, Plasma, HPS, HID and many more !
- Available in universal power supply capable of operating on voltages from 105 to 305 Volts 50/60 Hz.
- Energy efficient design with a average power consumption < 0.25 watts
- Westire Patented Relay Assisted Triac (RAT) switching technology protects the relay from in-rush current.
- Polycarbonate housing is ultrasonically welded ,UV stabilized and rated to IP67.
- Upward facing units are designed to be self cleaning.
- 100% product testing; 48 hour burn-in, electrical and final inspection.
- Intertek ETL Listed and RoHS compliant
- Available with upto 840 Joule MOV protection

Technical Specifications

8400 Series Photocell
Rev 1.8 Summer 2019

General		Environmental	
Dimensions	Upward facing: 78.4 mm Ø x 69.85 mm H 3.1" Ø x 2.75" H North facing: 78.4 mm Ø x 53.34 mm H 3.1" Ø x 2.1" H	Operating Temperature	-40° C to +70° C -40° F to +178° F
Warranty	12 years 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 C136.10
Power		Switching	
Mains Supply	105 to 305 Volts AC - 50/60 Hz.	Operating Levels	10 to 200 Lux - 1 to 19 fc ± 0.025
Load Rating	1800 VA Ballast / 1000 Watts	Switching Ratio	1:05 to 1:3 - Inverse ratios available
Average power Consumption	<0.25 Watt nominal	Light sensor	Eye Response IR filtered silicon light sensor
Surge Protection	Standard: 320V 132J, 4.5kA Optional: 320V 320J, 12kA Configurations available upto 840 Joules	Switching Time Delay	0 to 25 Seconds ON 2.5 to 20 Seconds OFF
		Enclosure Protection Rating	IP67 - Dust tight and immersion tested up to 1m

Ordering Information

Configurations	
8481-N2TMA-BL	Multi-volt, Upward Facing, Fail On, 1.5:1 Switching Ratio, Instant On 2.5 Seconds off, 320j MOV, 1.5 FC, Blue Housing
Custom Configurations Available - Consult Customer Service for more options	

8481 [] - N 2 T M B P - GY = 8481-N2TMBP-GY

XXXX	XX	-	X	X	X	X	X	XX	-	X
Series	Mounting Type [blank] - Standard Locking Type H - Hard Wired A - Hard Wired (USA)		Fail Mode N - On F - Off	On:Off Ratio 0 - 1:0.5 1 - 1:1 2 - 1:1.5 3 - 1:2 4 - 1:3	Time Delay T - Instant On, 2.5 Sec Off U - 20 Sec On, 20 Sec Off	Surge Protection S - 132J MOV, 320V, 4.5kA, 14mm M - 320J MOV, 320V, 12kA, 20mm N - 420J MOV, 320V, 15kA, 25mm P - 840J, 320V, 30kA	On Level A - 16 Lux (1.5 FC) B - 10 Lux (1.0 FC) C - 21 Lux (2.0 FC) D - 30 Lux (2.7 FC)	Operation [blank] - Dusk to Dawn		Cap Color BK - Black BL - Blue BR - Brown GR - Green GY - Gray

8480 - Upward Facing 220-260VAC
8481 - Upward Facing 105-305VAC
8483 - North Facing 105-305VAC



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