

Photocells Overview



Button, Stem, and Twist-Lock Photocells

Jarvis Lighting offers button, stem, and twist-lock photocells that are designed to turn your fixture on or off based on ambient light levels. When the photocell detects sunlight, the photocell switches the light fixture off. When no sunlight is detected, the photocell turns on the light fixture. All photocells are designed for quick and easy installation, feature a 5-year limited warranty, and can be used to help achieve California Title 24 compliance.

A300 Button Photocell

The A300 button photocell can be mounted either inside a fixture's knockout or weatherproof box on the same circuit. The enclosure is made of GE material, which is UV protective, fireproof, impact resistant, and dirt proof.

KEY FEATURES:

- UL Listed to UL773
- Acting Light Level: ON: 10-16LUX, OFF: <80LUX
- Acting Time: <180 seconds
- Expected Lifetime (operations): >6,500 cycles
- Operating Temp.: -23° to 70° Celsius
- Compatible With: AL, BFL, CL, and WMFT Series Fixtures



Installation Notes:

- Button photocells must be mounted inside a light fixture or weatherproof box
- Button photocells are recommended to control only one light per photocell

Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Rated Load
A300	Button Photocell	120V 50/60Hz	600W



Full technical specifications available. Additional variants and models may be available, contact a Jarvis representative for more information.

A301-304 Stem Photocells

The A301, 302, 303, and 304 stem photocells can be mounted either outside a fixture's knockout or weatherproof box on the same circuit. The enclosure is made of UV stabilized, high impact plastic that stands up to the outdoors. The A301 model features instant ON function. The A302-304 models feature a delay action which is designed to eliminate loads switching OFF due to car headlights or lightning. All models include a light level slide adjustment.

KEY FEATURES:

- Certified or Listed to UL Standards
- Acting Light Level:
A301 ON: 16LUX, OFF: 48LUX
A302-304 ON: 10-50LUX, OFF: 32-160LUX
- Acting Time:
A301: 2-5 seconds
A302-304: 30-90 seconds
- Expected Lifetime (operations):
A301: >10,000 cycles
A302-304: 3,650 cycles
- Operating Temp.: -40° to 70° Celsius
- Compatible With: AL, BFL, CL, and WMFT Series Fixtures



Catalog Numbers and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Rated Load
A301	Stem Photocell	120-277V 50/60Hz	1,000W
A302	Stem Photocell	208-277V 50/60Hz	3,100W
A303	Stem Photocell	347V 50/60Hz	5,205W
A304	Stem Photocell	480V 50/60Hz	7,200W

A306 Twist-Lock Photocell and A307 Receptacle

The A306 twist-lock photocell and A307 receptacle offer automatic control of your Jarvis Lighting fixtures through ambient natural lighting levels. The A306, which is IP65 rated, features a delay action which is designed to eliminate loads switching OFF due to car headlights or lightning.

KEY FEATURES:

- UL Listed to UL773
- Acting Light Level: ON: 10LUX, OFF: 60LUX
- Acting Time: 15-120 seconds
- Operating Temp.: -40° to 70° Celsius
- Compatible With: ARJ and FL Series Fixtures



Catalog Numbers and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Rated Load
A306	Twist-Lock Photocell	120-277V 50/60Hz	1,000W
A307	Twist-Lock Photocell Receptacle	120-480V 50/60Hz	7,200W