

JL-711A1 & JL-711A2 Photocells

JL-711A series light controller products are intelligent rotary lock light controllers which can output 0-10V dimming signals. All models have built-in photosensitive sensors. The light controller is suitable for security areas, parking lots, airport aprons, and industrial outdoor yards.

Four Terminal
Twist-Lock Design

Midnight Dimming
Option

IR Filtered
Photodiode Sensor

Immune to
LED Interference

IP66 Rated



JL-711A1

JL-711A2

TECHNICAL PARAMETERS

Rated Voltage	12-24VDC
Power Consumption	0.144W Max
Operating Temp	-40°C to 70°C
IP Rating	IP66
On/Off Level	ON: <50 lux OFF: >100 lux
Auto-Sensing Mode	JL-711A1: Fixture will turn on when below 50 lux and turn off when above 100 lux JL-711A2: Fixture dims to 50% output at the auto-calculated midpoint between dusk and dawn
Warranty	2 years

INSTALLATION

1. Remove existing Zhaga Book 18 receptacle cover.
Note: The fixture can be powered during installation.
2. Insert the 4 terminals of the JL-711A1/JL-711A2 photocell into the Zhaga Book 18 receptacle, and twist clockwise to lock into place.
3. Once installed the fixture will turn on for 5s, then go into auto-sensing mode.

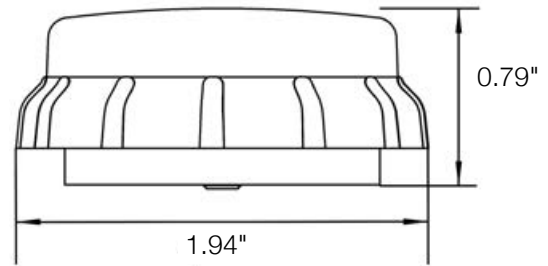
AUTO-SENSING MODE:

JL-711A1: Photocell will begin to measure illuminance levels. Fixture will turn on when below 50 lux and turn off when above 100 lux.

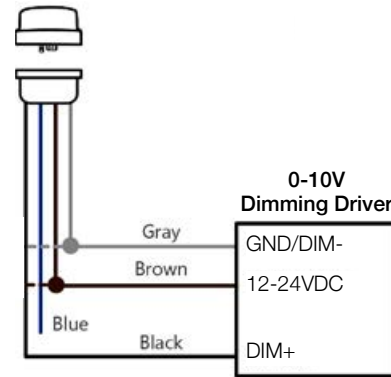
JL-711A2: For the first 10 days, the photocell records the daily duration between turn-on and turn-off using standard lux thresholds (on when below 50 lux, off when above 100 lux). It then calculates the average midpoint of this period and uses it as the dimming trigger point. At this midpoint, the output is reduced to 50%. On the first day, a default operating duration of 10 hours is assumed. See below dimming schedule diagram:



DIMENSIONAL DRAWINGS (IN)



WIRING DIAGRAM



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