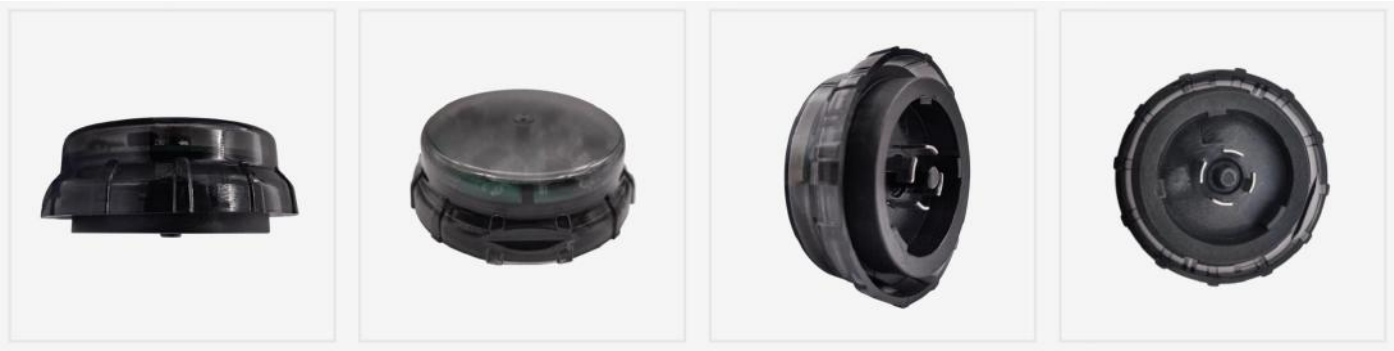
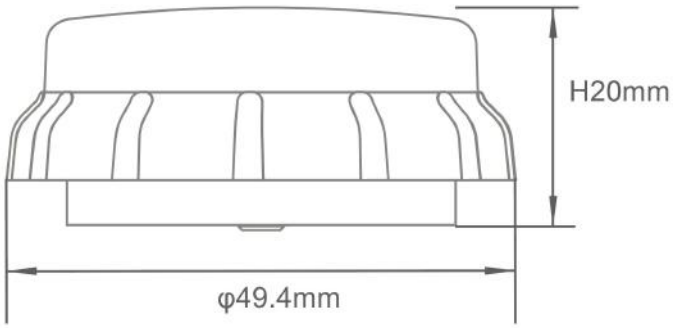
JL-711A Zhaga Book-18 Zhaga Controller



Product Summary

JL-711A series light controller products are intelligent rotary lock light controllers developed based on ZHAGA BOOK18 interface standard, which can output 0~10V dimming signals. All models have built-in photosensitive sensors. The light controller is suitable for lighting scenes such as roads, lawns, courtyards, and parks.

Product size chart



Features

- DC power supply, low power consumption

- ZHAGA BOOK18 interface standard
- Small size, suitable for installation in most lamps
- 0~10V dimming interface
- Interference lighting filtering
- Lamp reflected light compensation
- IP66

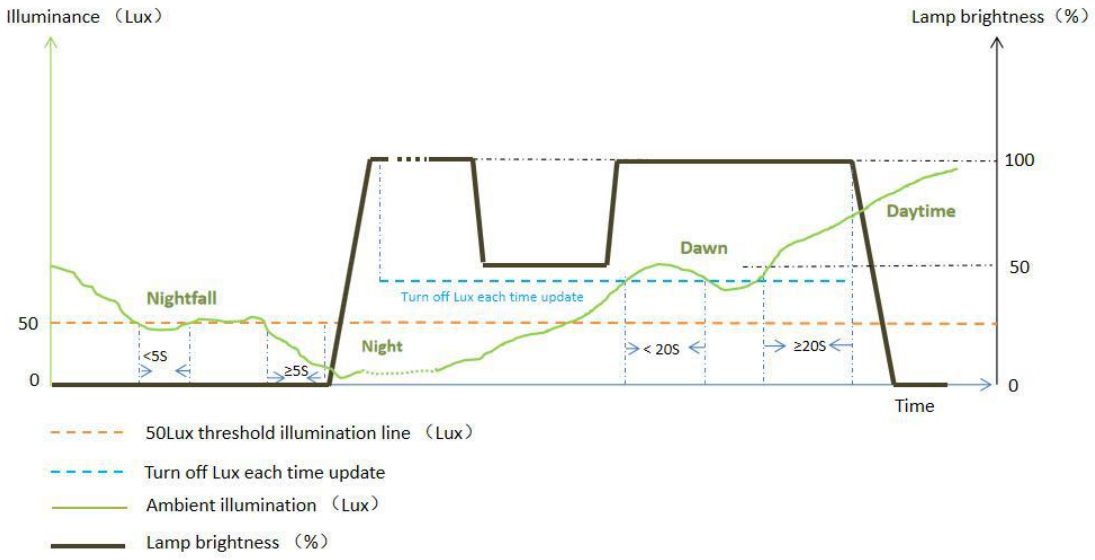
Parameters

Model	JL-711A1	JL-711A2
Power Supply	Rated voltage: 12~24VDC Rated current: 10mA	
Power Consumption	12V/5mA; 24V/6mA	
Sensor Type	Photosensitive tube	
Spectral Acquisition Range	350~1100nm, Peak wavelength 550nm	
Dimming interface	Type: 0~10V Accuracy: ±2% Drive current: 20mA (Typical)	
Turn on Illuminance	50Lux (±10)	
Turn off Illuminance	Reflected light + 40Lux (±10) after each turn on Lower limit: 50+40Lux (±10) Upper limit: 6000Lux (±100)	
Reflected light compensation upper limit	6000Lux (±100)	
Initialization	After power on, the light is turned on by default and maintains 5S, then automatically turns off the light and enters the auto-sensing operation mode *1	
Turn on delay	5s	

Turn off delay	20s	
0%~100%； 100%~0% Brightness change time	8s	
Midnight Dimming	NC	Trigger: the average center point of the first ten days (The first day default call night base is 10 hours) Dimming Ratio:50% Duration Ratio:40% Less than 10 days is calculated based on the actual number of days
Energy saving strategy	NC	Factory Preset
Mechanical Vibration	IEC60068-2-6	
Flammability Level	UL94-V0	
Operating Temperature	-40℃~70℃	
Storage Temperature	-40℃~85℃	
Operating Humidity	5%RH~99%RH	
IP Level	IP66	
Certifications		

Note：

*1：Some of the old versions of the sample program turn off the light by default and maintain 5S after power-on, and then enter the self-sensing operation mode.

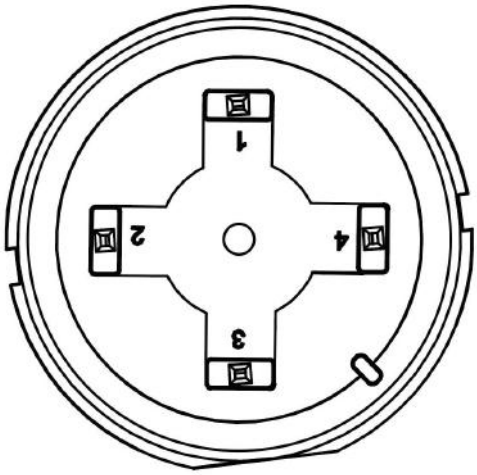


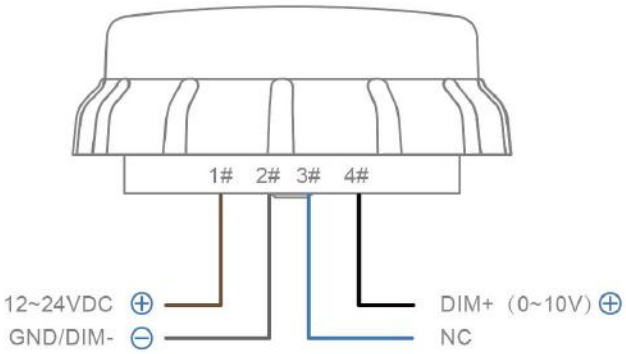
Ambient illumination and lamp brightness schematic diagram

Midnight Dimming Schematic Diagram

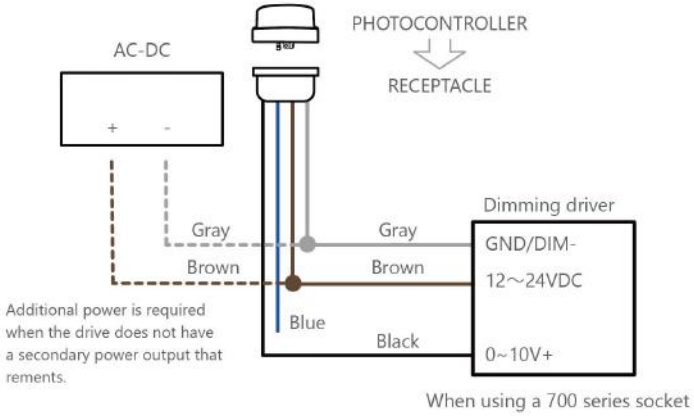
PIN

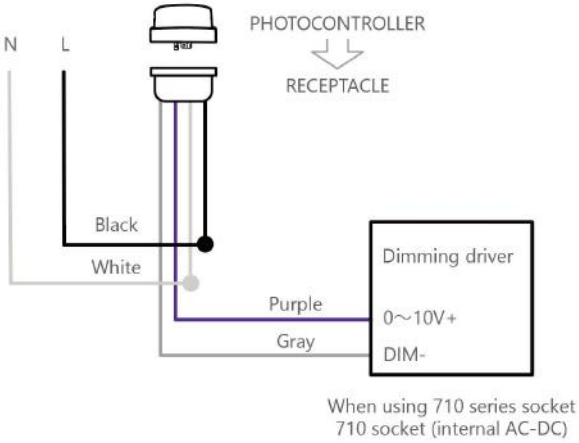
PIN	Definition	Type
1	12~24VDC	Power Input
2	GND/DIM-	Power Input
3	NC	NC
4	DIM+（0~10V+）	Signal Output





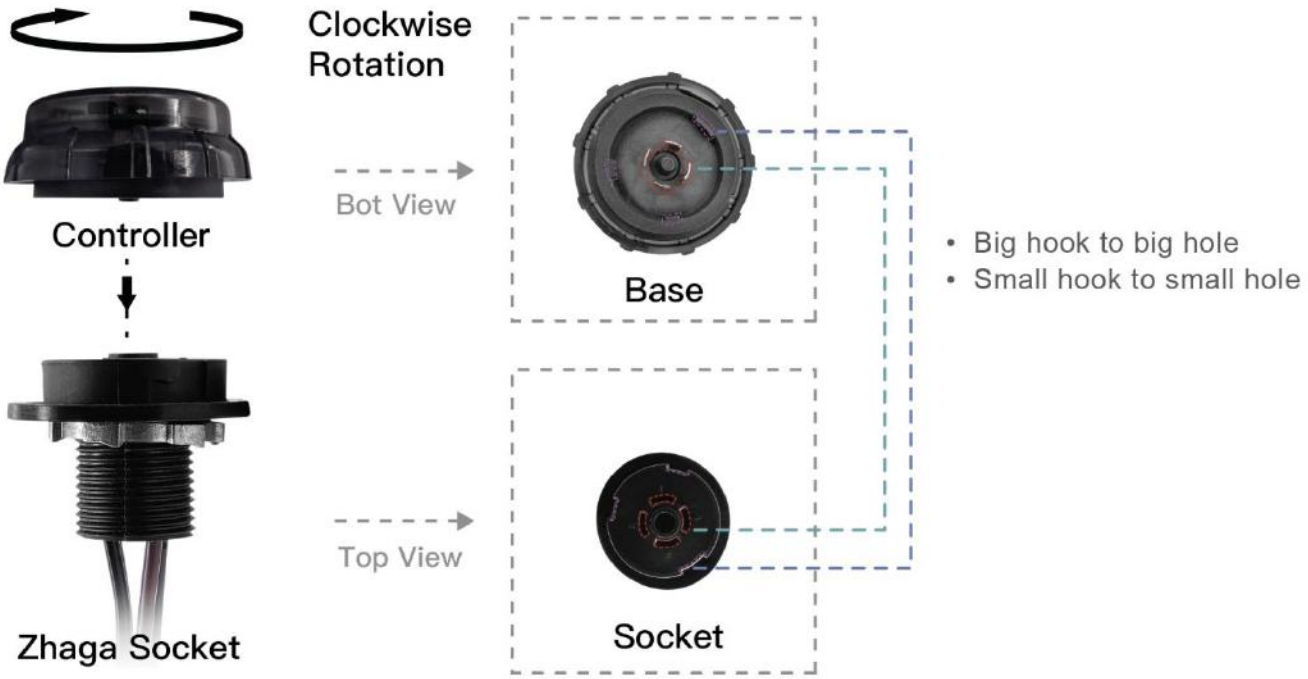
Wiring diagram

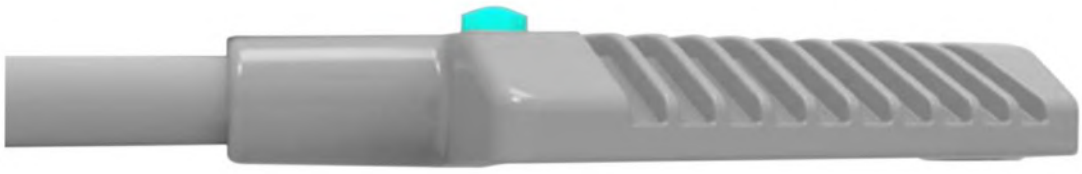




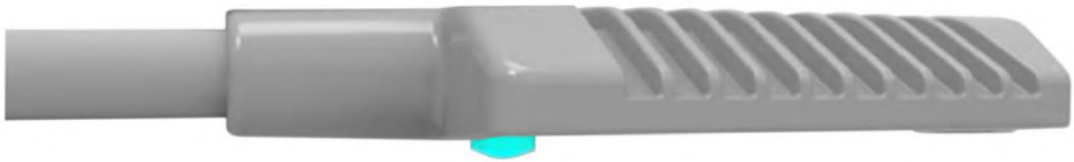
Installation

The interface of the product itself has been fool-proof design, the installation only need to tighten the controller directly to the rotatable base, as shown in Figure clockwise after insertion.





Top installation diagram



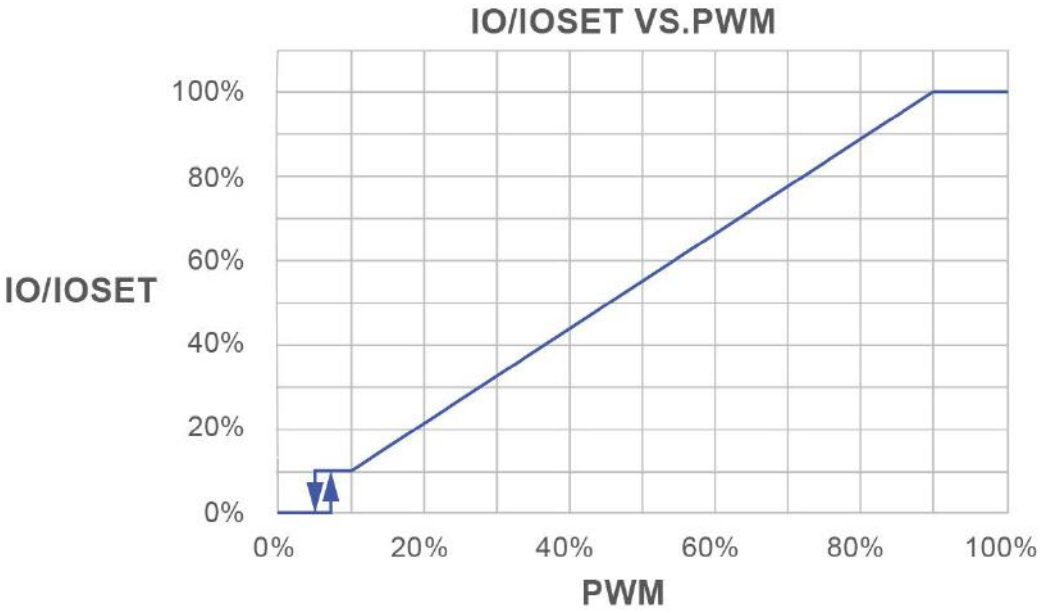
Bottom installation diagram

Attentions

If the negative pole of the auxiliary power supply of the driver is separated from the negative pole of the dimming interface, they need to be shorted and connected to the light controller # 2.

If the light controller is installed very close to the light source surface of the lamp and the lamp power is relatively large, it may exceed the limit of the reflected light compensation and appear to turn off itself.

Because the ZHAGA light controller does not have the ability to cut off the AC power supply of the driver, the customer needs to select a driver with an output current close to 0mA when using the ZHAGA light controller, otherwise the phenomenon that the lamp cannot be completely turned off may occur. As shown in the output current curve of the driver specification, the lowest output current is close to 0mA.



The light controller only outputs the dimming signal to the driver, regardless of the power load of the driver and the light source.

Don't use your fingers to block photosensitive window, it is likely that the lights will fail to turn on because of the light passing through your fingers.