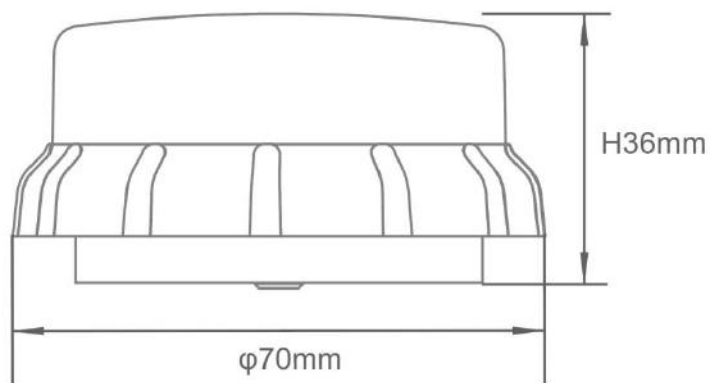


Zhaga Book-18 Intelligent locking controller



JL-721NP series light controller products are intelligent rotary lock light controllers developed based on ZHAGA BOOK18 interface standard, It can be automatically dimmed by local ambient illuminance, or realized by NB-IOT remote real-time/strategy mode. The dimming mode supports DALI2.0 and supports GPS to automatically locate the geographic location of the device. The light controller is suitable for lighting scenes such as roads, Industry and mining, lawns, Parking lot, courtyards, and parks.

Product size chart



Parameters

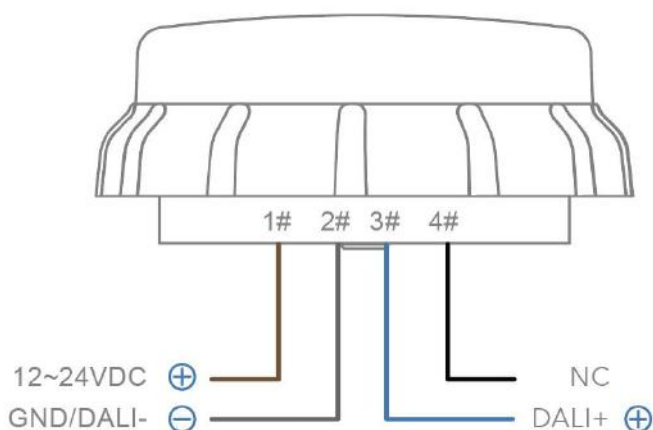
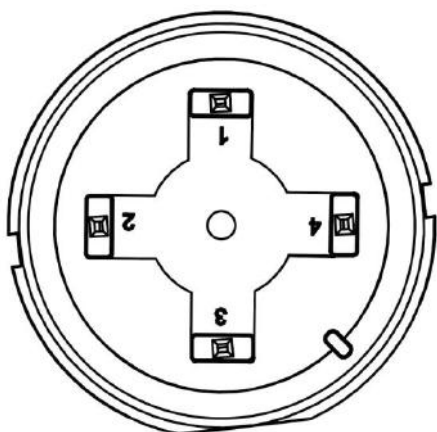
Model No.	JL-721NP
Power Supply	Rated voltage: 12~24VDC, 5W
Communication mode	NB-IoT
Spectral Acquisition Range	350~1100nm, Peak wavelength 550nm
Ambient light acquisition	Range: 0.01~64000Lux Accuracy: $\pm 2\%$
Turn on Illuminance	100Lux (± 10)
Turn off Illuminance	Reflected light +40Lux (± 10) Lower limit: 50+40Lux (± 10) Upper limit: 6000Lux (± 100)
Reflected light compensation upper limit	6000Lux (± 100)
Dimming interface	DALI2.0

Default maximum power ratio	80%
NB-IOT	<p>Frequency band: B1/B3/B5/B8/B20 (customizable)</p> <p>Transmitting power: 23dBm±2dB</p> <p>Receiving sensitivity: -129dBm</p>
Network Protocol	MQTT
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
Blue LED Indicator Light	<p>Blinking: Connecting to the server</p> <p>Always on: Successfully connected to the server</p>
Default periodic reporting frequency	10 minute
Turn on delay	10S
Turn off delay	10S
Energy saving strategy	Custom
Mechanical Vibration	IEC60068-2-6
Flammability Level	UL94-V0
Operating Temperature	-40℃~70℃
Operating Humidity	5%RH~99%RH
IP Level	IP66

Features

- DC power supply, low power consumption
- ZHAGA BOOK18 interface standard
- Support NB-IOT communication mode, multi-band B1/B3/B5/B8/B20, support most countries/regions in the world
- Support GPS positioning
- MQTT network protocol, data encryption
- 0.01~64000Lux ultra-wide ambient illumination collection range
- When the wireless signal is abnormal, it will automatically switch to the local light sensing mode
- DALI2.0 dimming interface
- Small size, suitable for installation in most lamps
- Interference lighting filtering
- Lamp reflected light compensation
- Support DFOTA remote software upgrade
- Undervoltage alarm report
- RTC
- External NANO SIM card
- IP66

Light Controller Pin Definition



Wiring Diagram

