

Stair Light Master (BLE+2.4G)

Model: BS64

Features

- Bluetooth control
- Two-wire control
- Supports up to 64 stairs
- Support step time setting
- Support delay lights-off time setting
- Support night light brightness setting
- Support 0-24 hours working time setting, prevent false triggering
- 4 light sensing modes
- Support SPI strip parameter setting, color calibration, point setting, color and brightness setting
- Support setting the CCT and brightness of staircase lights
- Support short circuit protection, anti-reverse polarity protection



Product Parameters

Product Name: Stair light host

Model: BS64

Input Voltage: DC24V

Power: 480W, 20A

Communication Protocol: Bluetooth / 2.4GHz RF

Control distance: Bluetooth: 30m 2.4G: 30m

Pixels: 1024

PIR sensing distance: 3m

Steps: 2~64

working temperature: -10~40°C

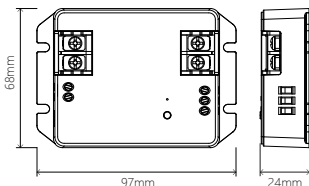
EMC Standards (EMC): ETSI EN 301 489-1 V2.2.3
ETSI EN 301 489-3 V2.3.2

Safety standards (LVD): EN 61347-2-11: 2001+A1: 2019
EN 61347-1: 2015+A1:2021
EN 62493:2015+A1:2022

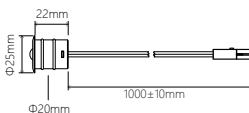
Radio equipment (RED): ETSI EN 300 400 V2.2.1

Certification: CE, EMC, LVD, RED

Stair light host



Sensor

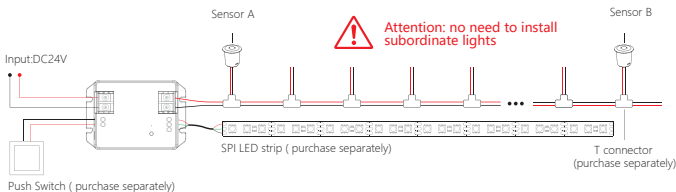


Subordinate Lamp



Installation Diagram

Step 1: Do wiring as following picture

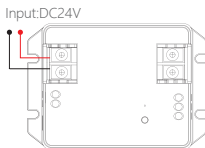


Step 2: Connect APP

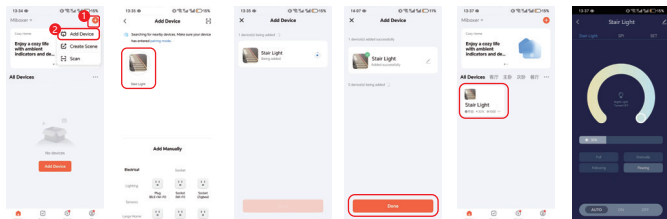
1.Scan code to download
"Tuya Smart" APP



2.Connect master controller with
DC24V power supply

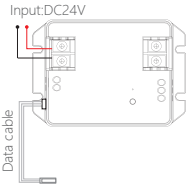


- 4.Turn on Bluetooth of your phone
- 5.Go to TUYA APP and click "+" to add device
- 6.Click"Stair Light" to finish it
- 7.Set up or control stair light after adding device successfully

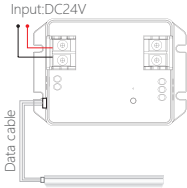


Step 3: Write address for lights

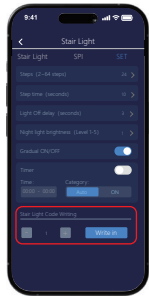
1.Connect data cable with master controller



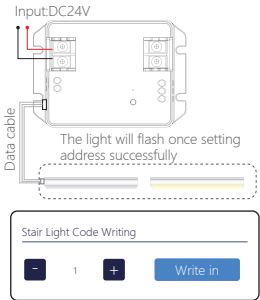
2.Connecting lights



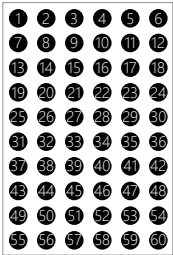
3.Click"+" or "-" to set up sequence, click "write" button to get address



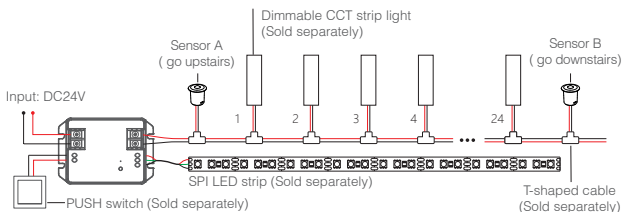
4.Setting up successfully while the light flashes, please check wiring if there is no reaction for light



Step 4: Put sticker on each lights and avoid wrong sequence



Step 5: Wiring each light like following picture, Example (24 steps)



Attention:

Please scan QR code for more details if your stair are over 24 steps

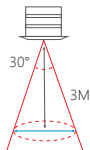
Warm tips for Sensor installation

*Detecting angle must be vertical as direction of human motion

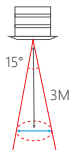
Rotating PIR to change angle



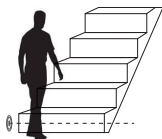
PIR Detecting Angle



PIR Detecting Angle

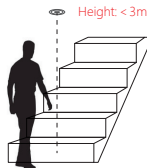


Sensor on the wall



Height: 0.1-0.5m

Sensor on ceiling



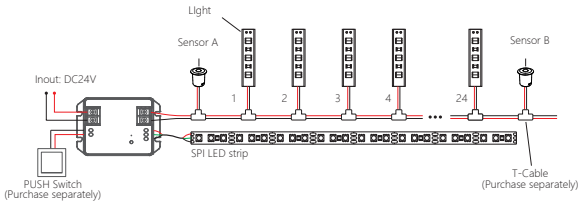
Detecting range ($\pm 10^\circ$)

Installation diagram

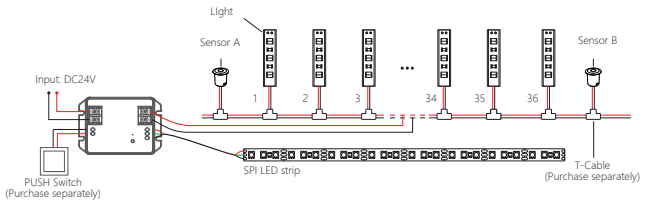
System wiring diagram

*Sensor A must be installed at the light with address 1

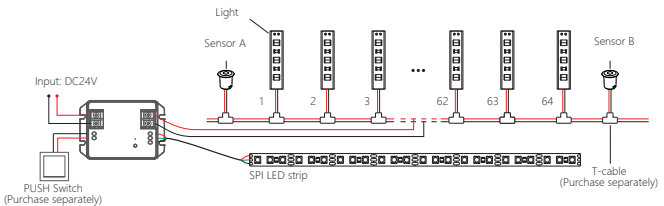
Option 1: Using 1.5 ² cable when the stair steps are under 24, power can supply from the first step or last step , please check the diagram below



Option 2: Using 1.5 ² cable for the stairs are between 25~36 steps,
Power supplies from the middle, please check the diagram below

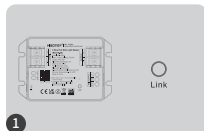


Option3: Using 2.5 ² cable for the stairs are between 37~64 steps,
Power supplies from the middle, please check the diagram below:

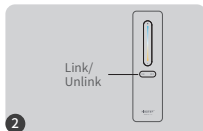


Link/Unlink

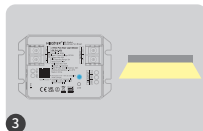
Link Attention: Remote need to link with Stair controller



Short press "link" one time



Short press "ON" button 3 times within 3 seconds after the light turns

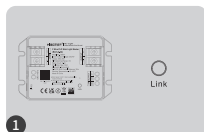


It means link successfully when both flashing slowly for light

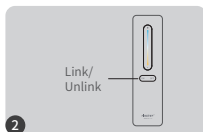


If the both lights do not flash, the linking failed, please perform the above steps again.
(Note: Lamps that have been coded cannot be coded again).

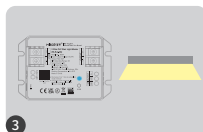
Unlink



Short press "link" one time



Short press "ON" button 5 times within 3 seconds after the light turns on



It means unlink successfully when both flashing quickly for light



If the both lights do not flash, the unlinking failed, please perform the above steps again.
(Note: There is no need to clear the code for lamps that are not coded).

Remote control instructions

Remote can dim the CCT and brightness of the stair lights

Short pressing the "On" in the remote can switch the stair light from automatic to constant light mode.

PUSH Dimming

Short press Push can change the mode of the lighting(Automatic, Always on, Light off)

Long pressing can dim brightness

Attention

1. Making sure power is off when installing products, keep safety
2. Please check if the input voltage is consistent with the device
3. Non-professional users are not allowed to disassemble the device directly, otherwise the device may be damaged.
4. Do not use the device near large metal areas or areas with strong electromagnetic waves, otherwise the control distance will be seriously affected.
5. The stair light host, sensor, and slave lights are precision electronic products. Please do not use them in humid or high-temperature environments for a long time.



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