



PROLED®



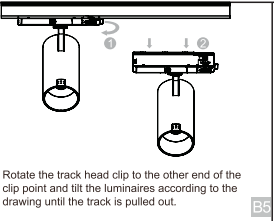
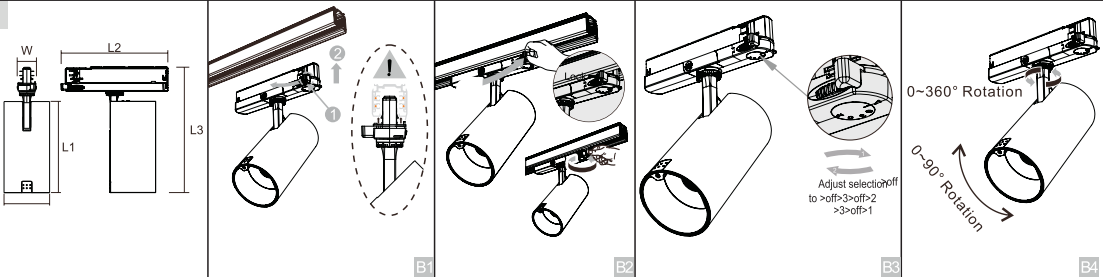
Smart Series Instructions

Smart Series is a smart retail lighting solution based on Artificial Intelligence (AI) and Internet of Things (IoT) technologies. Full-spectrum and high-saturation Smart Series analyze commodity information automatically with built-in sensors, and the light spectrum and saturation can be adjusted adaptively. All the lights connected with Bluetooth mesh, while communicating with AWS Cloud through Wi-Fi.

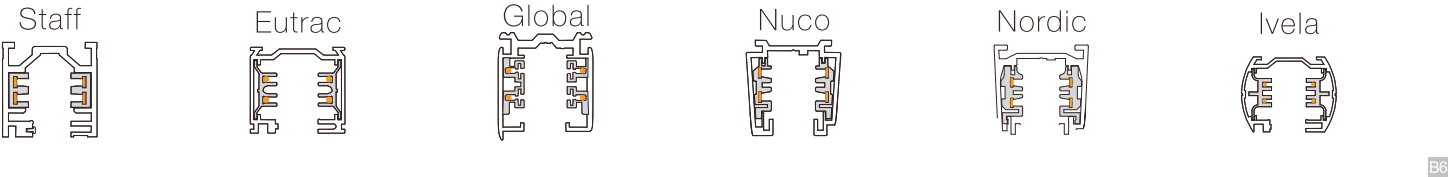
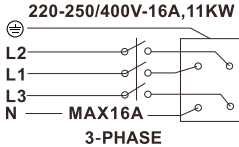
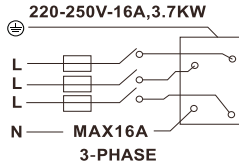
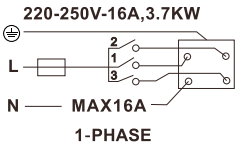
Global e-commerce growth is the biggest challenge the traditional business faces. According to study, "Personalized shopping experience" and "Preview commodity in person before purchase" are the top reasons why shoppers still prefer brick-and-mortar stores. Smart Series retail lighting solution gives shoppers a new shopping experience in brick-and-mortar stores.

Smart tracklight dual sensor

Size	15W	30W
Model	SMTLDS1520B	SMTLDS3020B
	SMTLDS1520W	SMTLDS3020W
	SMTLDS1536B	SMTLDS3036B
	SMTLDS1536W	SMTLDS3036W
D	Ø70	Ø80
L1	135	160
L2	220	220
L3	200	225
W	45	45

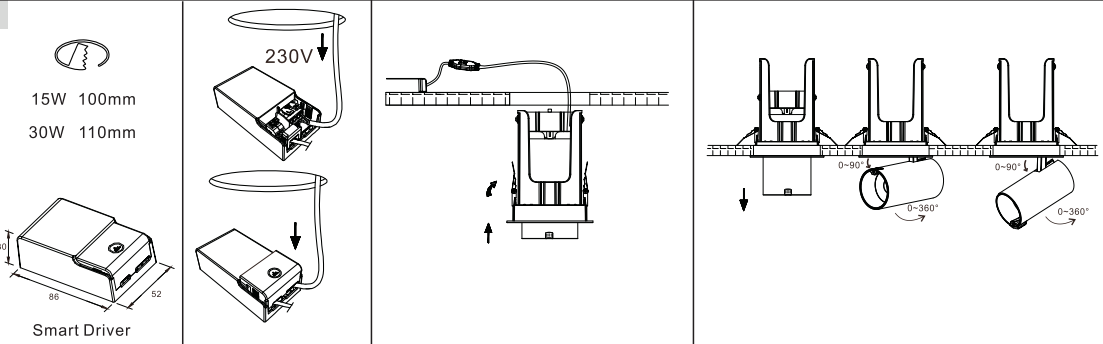


The track light is universal compatible. It works with the following track systems:



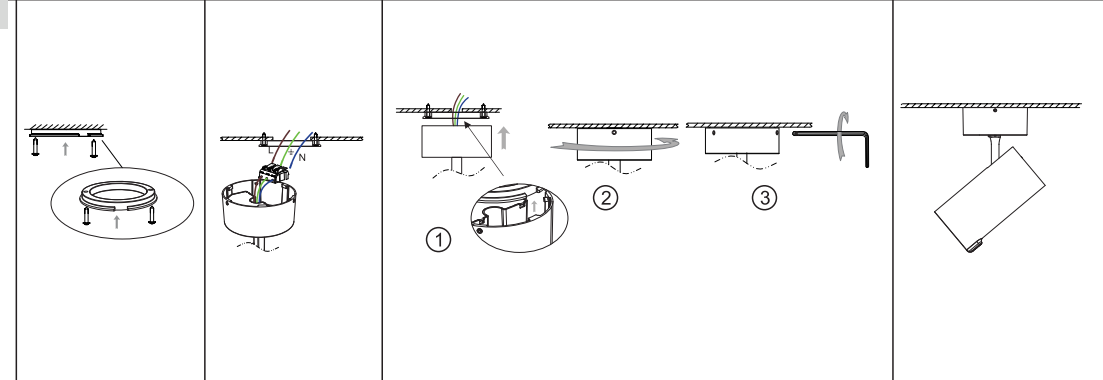
Smart recessed dual sensor

Size	15W	30W
Model	SMRCDS1520B	SMRCDS3020B
	SMRCDS1520W	SMRCDS3020W
	SMRCDS1536B	SMRCDS3036B
	SMRCDS1536W	SMRCDS3036W
D1	Ø70	Ø80
L1	135	160
D2	102	102
L2	192	217



Smart surface mounted dual sensor

Size	15W	30W
Model	SMSFDS1520B	SMSFDS3020B
	SMSFDS1520W	SMSFDS3020W
	SMSFDS1536B	SMSFDS3036B
	SMSFDS1536W	SMSFDS3036W
D1	Ø70	Ø80
L1	135	160
D2	102	102
L2	192	217



Product lifespan refers to lighting time when the luminous flux of 50% luminaires in a batch of the same luminaires reaches 70% of the initial luminous flux(L70B50).. The estimated product lifespan is based on the indoor ambient temperature of 25°C, good air circulation and working at rated voltage.

- Please be sure to cut off the power before operation.
- Do not continue to use if the luminaire is damaged.
- Luminaires should not be stored and used in corrosive environments or in environments containing hazardous substances such as sulfide, halides, phthalates, etc.
- Luminaires should be installed outside the reach of human hands.

Warning: The light source and parts of this luminaires are not replaceable. When the light source and parts reach the end of their life, the whole luminaires should be replaced.



Please follow the sequence of installation step by step. Switch off the electricity before commencing installation



App Overview

The App is designed to configure and set Smart Series over Bluetooth mesh, and the APP communicates with the cloud server via Wi-Fi router.

Smart Series Dual Sensor Overview

Functions	Description
Light On/Off	To switch ON or OFF
Light settings	Three ways of Light settings: Auto Mode(default), Take a picture, or Color Selection.
Auto Mode	Automatically provides the best CCT and color enhancement according to products detected by the built-in color sensor, default "ON". Set it "ON" or "OFF" in the App.
Energy settings	Not activated by default, desired brightness and waiting period can be preset
Brightness adjustment	To adjust the output brightness from 1% to 100%, default at 100%
Wattage Settings	To adjust the wattage from 5W to maximum of the spotlight.
Software update	To OTA (Over the Air) update the firmware (software) on the spotlights to the latest version
Group setting & Group control	To manage some spotlights in a same group and group control them ON/OFF, group light setting, and energy saving, auto mode, etc.
Primary setting	Select a device to be the Primary light in a group, when the Primary light changes, the Secondary light will follow.
Factory reset	To reset the light to initial settings, and the light will be removed from APP.
Store management	To create a store or join a store
Data	To count the number of customers interested in the product.
Scene	Control multiple devices and groups to realize customized adjustment of color temperature and brightness.

Default Settings

Functions	Description
Auto Mode	default "ON". Time interval is 20 minutes by default. Product type is "Clothing & Accs" by default.
Energy settings	default "OFF"
Brightness adjustment	default at 100%
Wattage Settings	maximum wattage by default
Data collection	default "OFF"

Terminology

	Description
Auto Mode	Automatically provides the best CCT and color enhancement according to products detected by the built-in color sensor.
Energy settings	If no customer is detected within the set time, adjust the light to the set energy-saving brightness.
Take a picture	Take a picture of the target product and select an area on the photo then the light outputs recommended recipes.
Color Selection	User can tune color, saturation, color temperature, and brightness of the light.
Software update	To OTA (Over the Air) update the firmware (software) on the spotlights to the latest version.
Group setting	To manage some spotlights in a same group and group control them ON/OFF, group light setting, and energy saving, auto mode, etc.
Primary setting	Select a device to be the Primary light in a group, when the Primary light changes, the Secondary light will follow.
Factory reset	To reset the light to initial settings, and the light will be removed from APP.
View product position	View the product image and make sure product is in the center of image by moving light or product.
View customer position	View the customer area and make sure the image coincides the area where customers most likely view the product by adjusting the rotatable sensor.
Sub-administrator	To facilitate the management of the store's lighting, the sub-administrator can obtain admin right to perform operations such as adding lamps and creating groups.
Secure admin right	Sub-administrators acquire and lock permissions to become administrators.
Product barcode	Scan the product barcode or type it manually or input the name of the product. This function associates the spotlight with product for data analysis.
WiFi Config	Data function requires Internet connection. (2.4GHz supported only)
Data	To count the number of customers interested in the product.
ALL stores	When an account is added to multiple stores, user can compare the popularity of different stores and the comparative data of hot-selling products.

Status Indication & Troubleshooting

Status	Indication	Connection Failures	Time Out	2. Bluetooth out of range, please move closer. 3. The Bluetooth on your smartphone or iPad is off. 4. If still not solved, please contact UNI-BRIGHT
Device Connecting	The light will be flashing 5 times	Mismatches	Lighting doesn't match product	1. Please put product in the center of light beam. 2. Turn "Auto Mode" on, or set light with APP. 3. Color sensor on the light doesn't work well if the product is too far or too small, please use APP to set the light. 4. If still not solved, please contact UNI-BRIGHT
Device Connected Failed	APP shows Time Out			
Device Connected Successes	The light will be flashing 5 times			
Light changes automatically	The APP shows "Auto Mode" on	Data function Failures	No data	1. Make sure Data function is on. 2. Check if Wi-Fi name and password are correct. 3. Make sure light is not in "demo mode" (detection interval less than 60s). 4. If still not solved, please contact UNI-BRIGHT

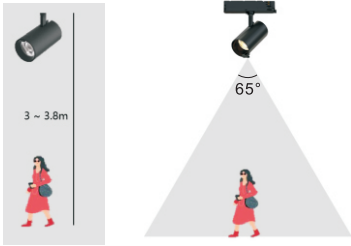
Recommended Distance and Detection interval for Auto Mode

⚠ For clothes, the recommended distance between Smart Tracklights and clothing is 0.8~2.5 meters, and 0.5~1.5 meters for bags. For commodities smaller than bags, recommend using APP "Take a picture" or "Color Selection". To ensure the best lighting effect, please align luminaire's center beam spot on the center of commodity.

Auto Mode detects commodity automatically every 20 minutes by default. Tap "Auto Mode" item to change the time interval. For normal use, recommend set it up by minutes, and for demo and test purpose by seconds.

- The recommended installation height is 3~3.8m.
- Adjusting the rotatable sensor, and make sure the image coincides the area where customers most likely view the product. Otherwise statistical data is incorrect.

Commodities	Recommended distance under Auto mode
<10cm	Recommend using "Take a picture" or "Color Selection"
10cm~20cm	Recommend using "Take a picture" or "Color Selection"
20cm~40cm	0.5m~1.5m
40cm~100cm	0.8m~2.5m
>100cm	1.5m~8m



Download and Install App

Search "PROLED Smart Control" from App Store for iOS, or Google Play Store for Android

Languages English, French, German and Dutch

App Compatibility

iPhone: Requires iOS 13.0 or later
iPad: Requires iPadOS 13.0 or later
iPod touch: Requires iOS 13.0 or later
Mac: Requires macOS 11.0 or later and Mac with the Apple M1 chip
Android: V4.4 or later

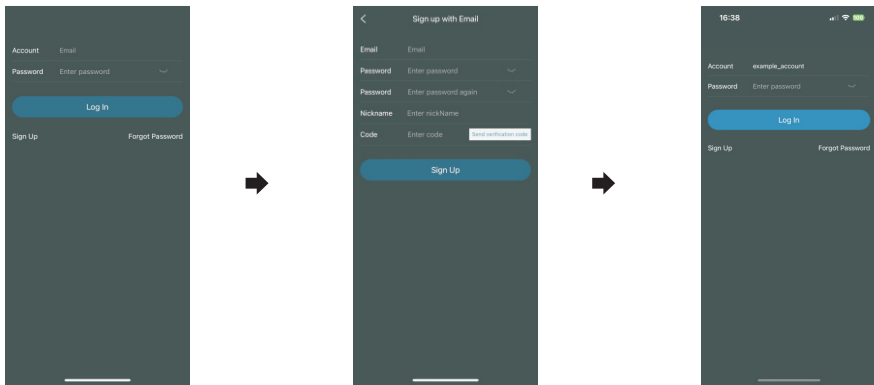


App latest version
iOS: 1.9.7
Android: 1.0.75
Subject to change without notice.

Single Device Control

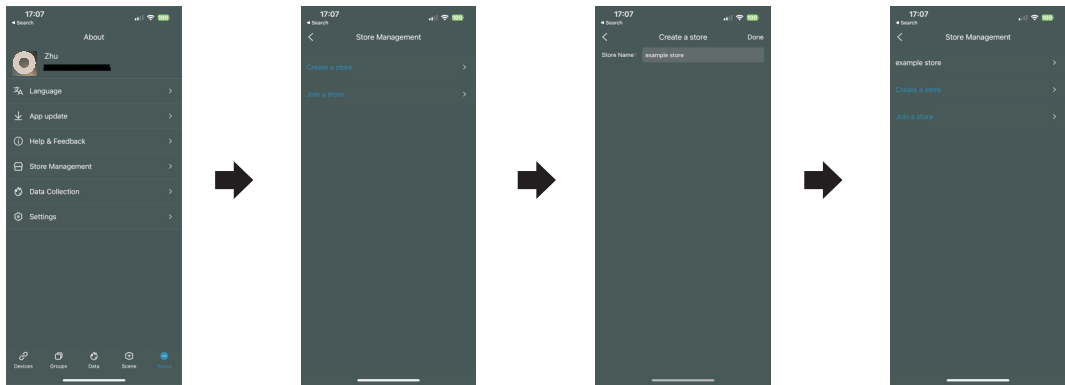
Sign Up and Login

1. Tap "Sign Up" to create your account and password.
2. Follow the instructions to complete "Sign Up" and get into "Login" page.
3. Use your email and password to log in.



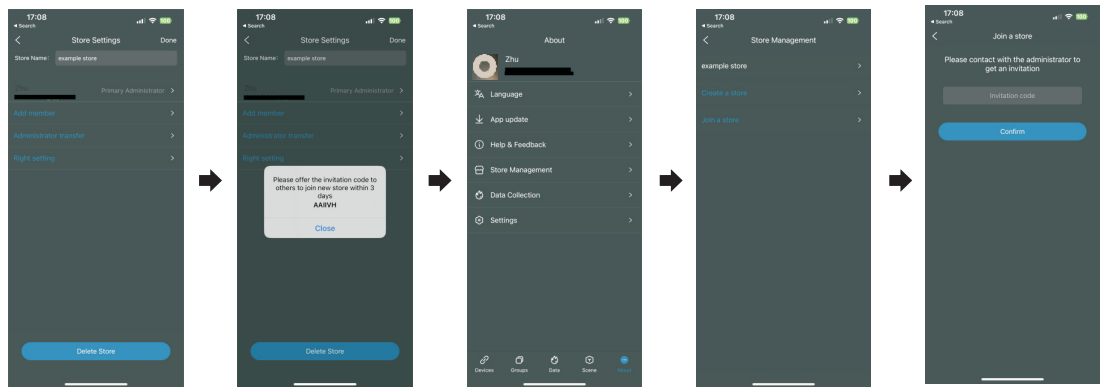
Create a Store

1. Create a store before adding any devices for first-time use.
2. Tap "About" and choose "Store Management" to create a store.
3. The administrator must create the store first, then invite other members to join.



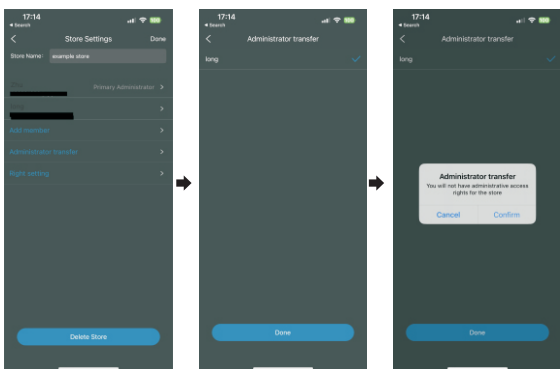
Share and Join a Store

1. For administrator, choose the store > tap "Add member" > share the invitation code.
2. To join a store, choose "Join a store" > Input the invitation code and confirm.
3. Note: except the administrator, other members do not have the right to add and set up devices or create groups.



Administrator transfer

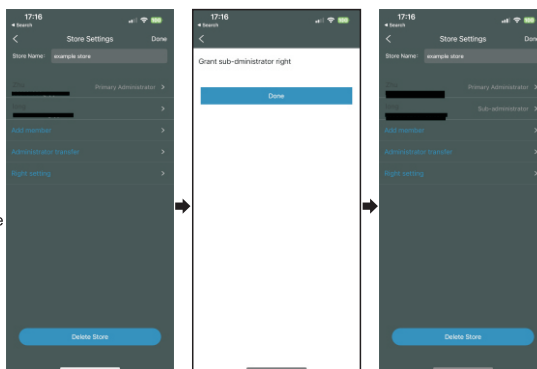
For administrator, choose the store > tap "Administrator transfer" > choose a member > Tap "Confirm", and the administrator will become a common member.



Sub-administrator

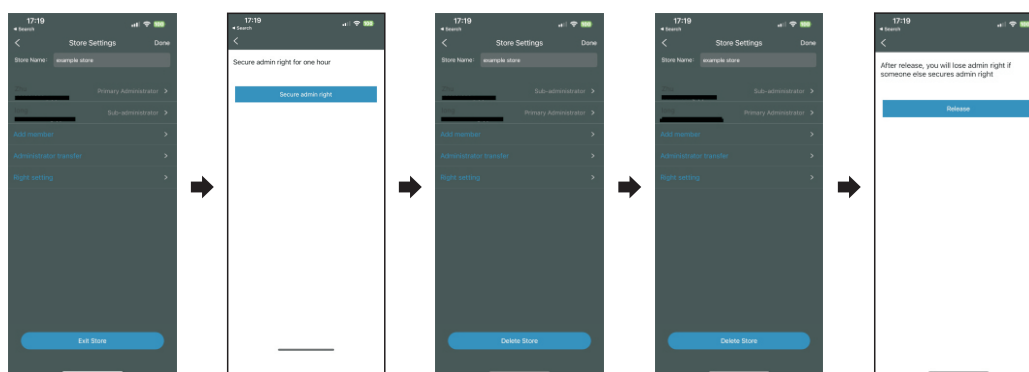
To facilitate the management of lighting in a store, user can set up store members as sub-administrator.

1. Tap a member in the Store Settings page.
2. Tap "Done" and the member will become sub-administrator.



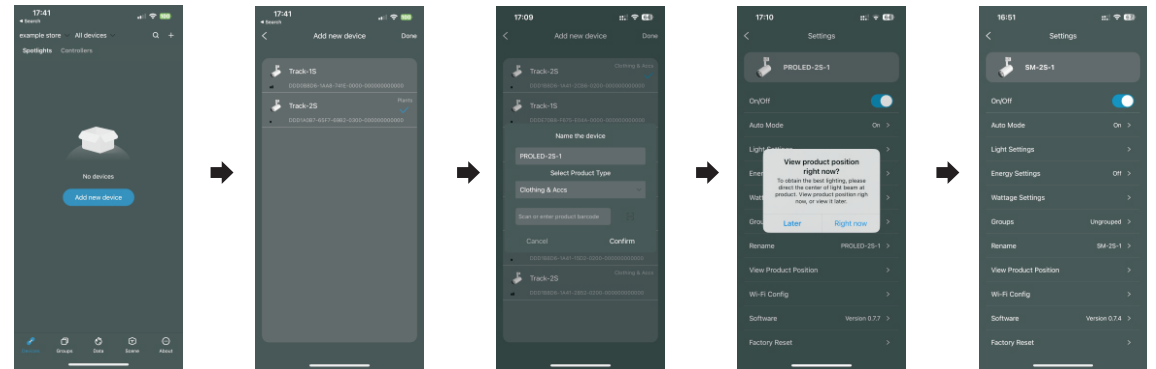
Sub-administrator gains admin right

1. Sub-administrator logs in to the account and tap "Right setting" in the Store Settings page.
2. Tap "Secure admin right" and the sub-administrator gains admin right. The original administrator loses admin right.
3. The sub-administrator secure admin right for one hour during which other sub-administrator cannot obtain admin right.
4. During this time, the sub-administrator can release admin right, allowing other sub-administrators to obtain admin right.



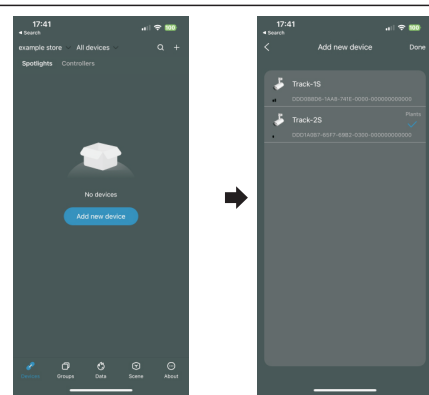
Add new devices

- Step 1: Tap "Add new device" or "+" on the top right of the App to view all spotlights within Bluetooth reach.
- Step 2: Choose device and Tap "Done". The corresponding spotlight will flash 5 times, enter a name for the spotlight and select a product type
- Step 3: Tap "Done", App will show Settings page and pop up "View product position right now" window. If "Software update" window pops up, please update the software first.



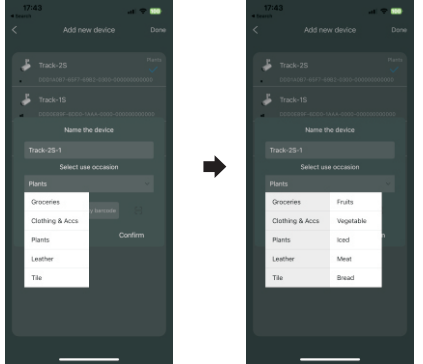
Add multiple devices at one time

- Select multiple devices when adding. Tap "Done" and App will add selected devices automatically



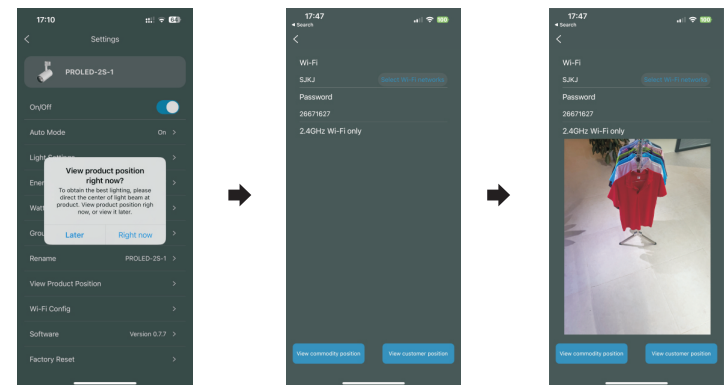
Select product type

1. First-level product type has 10 categories: Groceries, Clothing & accs, Plants, Leather, Tile, Mineral, Artwork, Ceramics, Furniture and Others.
2. Groceries has sublevel categories: Fruit, Vegetable, Iced(seafood), Meat, and Bread.
3. If category not determined while setting up the light, choose "Others" first, then correct it later.
4. product type can be changed by tapping on "Auto Mode".



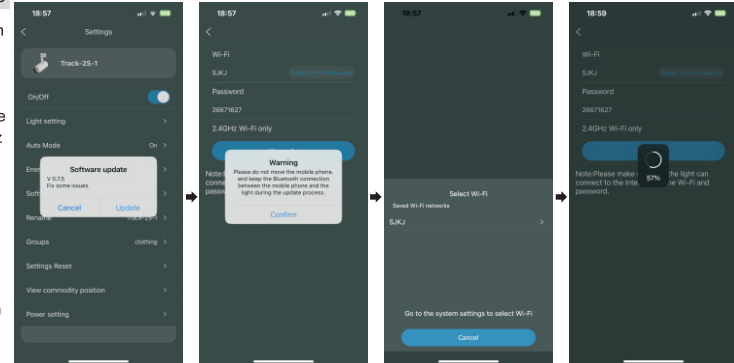
View product/customer position

- Tap "Right now", choose your Wi-Fi and enter the password(2.4GHz supported only).
- Tap "View product position", you will see image of product. Make sure product is in the center of image by moving light or product.
- Tap "View customer position", you will see image of an area on the ground. Make sure the image coincides the area where customers most likely view the product by adjusting the rotatable sensor.



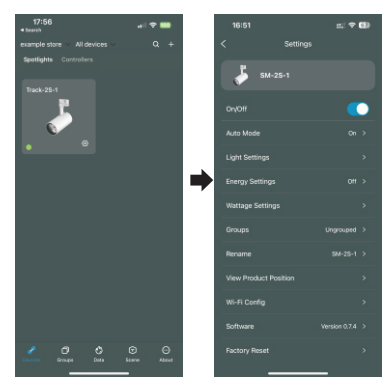
Software update

1. Tap "Update" on "Software update" popup box.
2. Choose your Wi-Fi and enter the password.(2.4GHz supported only)
3. Tap "Upgrade" to update the firmware to latest version for this spotlight. Do not leave until the updating has been finished.



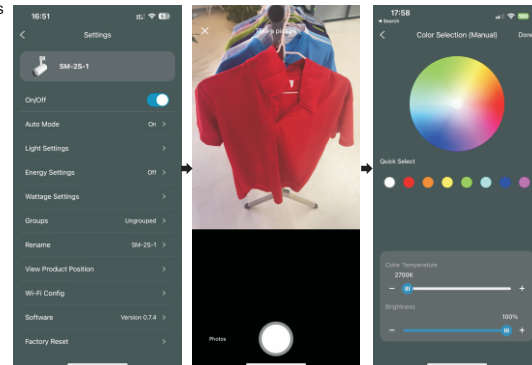
Settings page

Tap settings icon of the light on Devices page to get into Settings page.



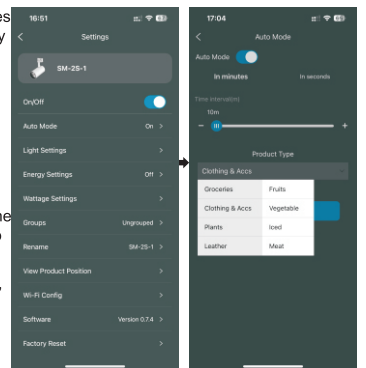
Light Setting

There are three ways to set lighting.



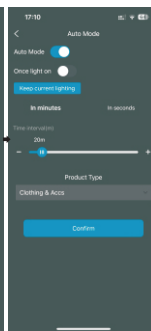
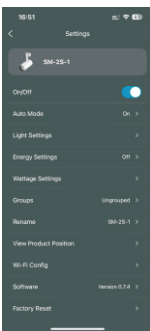
Light Setting: Auto Mode

1. Auto mode is on by default. The spotlight senses product information and tune the light automatically according to a professional formula library.
2. Using other light setting methods, like Take a picture or Color Selection, will turn Auto Mode off. Turn "Auto Mode" on in App if use Auto Mode again.
3. Sensor on spotlight senses product information every 20 minutes by default.
4. Under Auto mode, the sensor on the light will sense product information every 20 minutes and the product type is "Clothing and Accs" by default. Tap on "Auto Mode" item to time interval and product type change page. For normal use, recommend setting time interval by minutes, and "by Seconds" is for demo or test purpose.
5. If need to change product type, select a proper product type



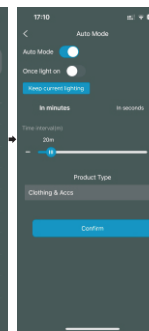
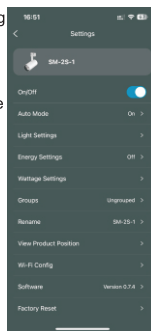
Auto Mode: Once light on

When Auto Mode is on, turn on "Once light on". Sensor on spotlight senses product information only when turn on the light.



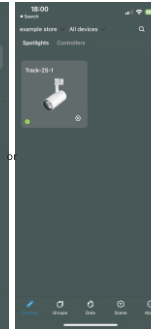
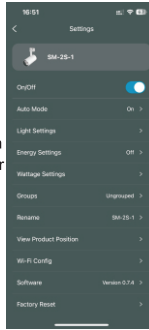
Auto Mode: Keep current lighting

Tap Keep current Lighting and adjust the lighting. Tap confirm and Auto Mode will be turned off automatically.



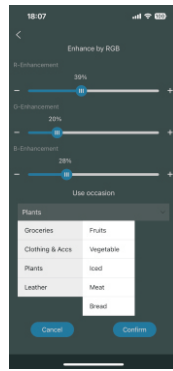
Select page

To use Take a picture or Color Selection or Brightness Adjustment function, tap "Light setting" on Settings page, or tap the spotlight icon on Devices page.



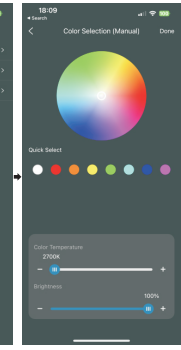
Take a picture

1. Take a picture of target commodity or choose a photo from albums.
2. "Draw a box" or "tap" on the target color, then the light will change accordingly. Usually drawing a box is suitable for large area of a color or mixed colors, and tapping is for choosing a small area from mixed colors.
3. The brightness can be adjusted by dragging the slider below.
4. If you are not satisfied with the light, tap "More" to have more choices.
5. Tap "Done" to save the setting, and "Auto Mode" will be turned off automatically.



Color Selection

1. Tap "Color Selection" on Light setting page.
2. User can tune color, saturation, color temperature, and brightness of the light.
3. Tap "Done" to save the setting, and "Auto Mode" will be turned off automatically.



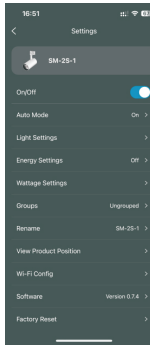
Brightness

1. Tap "Brightness" on Light setting page.
2. Drag the slider to adjust brightness of spotlight.



Wattage Settings

1. Tap "Wattage Settings" on Settings page
2. Drag the slider to adjust output wattage of spotlight.



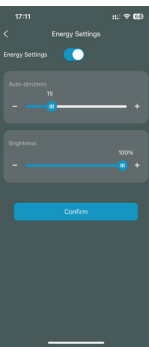
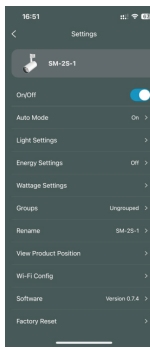
Energy Settings

1. If customer(s) detected by the movable sensor on the light, the brightness turn to maximum.
2. If no customer detected, dim the light to the pre-set brightness level after a chosen time.
3. Tap "Confirm" to complete the setting, and return to abandon.

Note: This function is off by default. Follow the instructions below to active it.

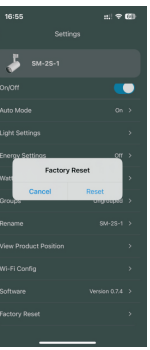
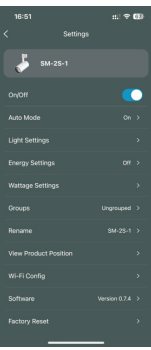
Auto-dim(min): how many minutes after customers leave the light starts to dim. The range is from 1 minute to 60 minutes.

Brightness without customers: what percentage of brightness to illuminate at the standby status. The range is from 0%-100%.



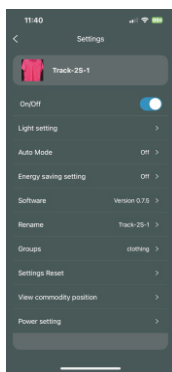
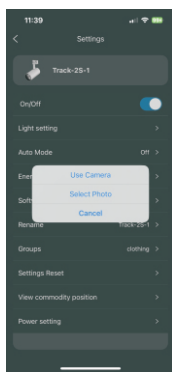
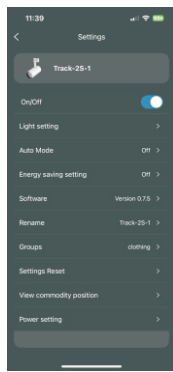
Factory Reset

1. Tap setting icon and enter the Settings page.
2. Tap "Factory Reset"
3. Tap "Reset". The device will be removed from the app and reset to factory default settings.



Picture of device

1. Tap the picture of device .
2. Take a picture or choose a photo from albums.
3. Tap "Choose" and the device icon will be set.



Data

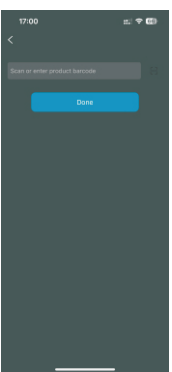
Data:Operation

1. Tap "Data". Smart Series Dual Sensor devices are showed here.
2. Tap spotlight icon to get into setting page.



Data: Barcode

Tap "Barcode Scan" and "+" on Barcode List page. Scan the product barcode or type it manually or input the name of the product. This function associates the spotlight with product for data analysis.



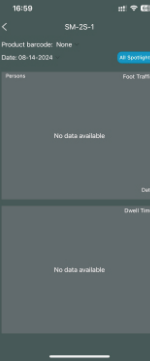
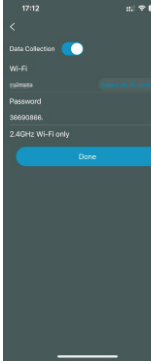
Data: Spotlight Data

Data function requires Internet connection. Configure Wi-Fi before use.

Tap Spotlight Data for the first time and need to Configure Wi-Fi .

Tap Righth now and get into Wi-Fi configure page.

Turn on Data function, enter Wi-Fi name and password(2.4GHz supported only), tap "Done" to finish configuration and get into Spotlight Data page .



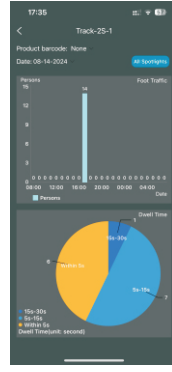
Switch and Wi-Fi Configuration

In Settings page, user can turn on or off Data function and configure Wi-Fi.



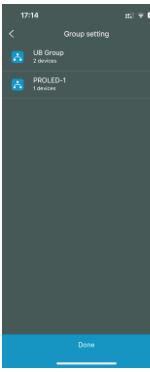
Display

1. Tap "Spotlight Data" to display the corresponding data to the current device.
2. Tap "All Spotlights" on the top right to display data of all Smart Series Dual Sensor devices in the store.
3. You can view data remotely.



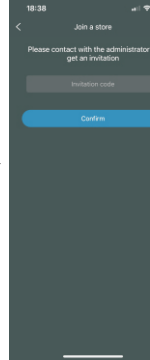
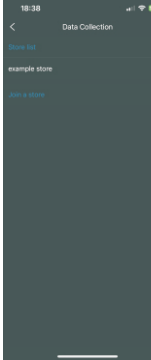
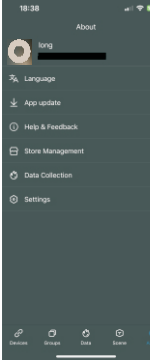
Data: Group Data

Tap "Group Data" , tap groups and display the corresponding data to the current group.



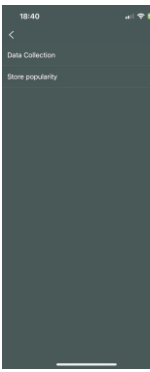
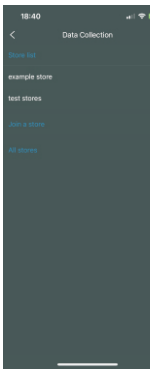
Authorization

1. Administrator can view data of all Smart Series Dual Sensor devices in the store. Other users do not have the right unless the administrator authorizes them.
2. For authorization, tap "Data Collection" on About page > Choose the store > Tap "Add member" > Choose "By invitation code" to share the invitation code or "By account" to type invitee's account.
3. For other users, Tap "Join a Store" > Enter the invitation code.
4. Authorized users can view data of the store.



Comparison between Stores

1. This function is also designed for chain stores in different places. Store administrators need to authorize headquarter users separately.
2. Headquarter users can check the data of all chain stores.
3. Tap "All stores" to get into comparison page. Currently there are two functions: Data Collection(most popular commodities) and Store popularity.



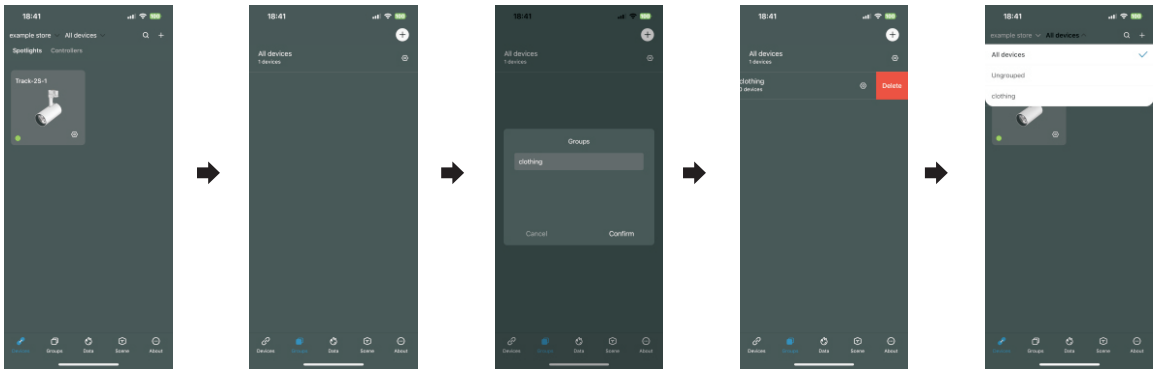
Group Control

Create/Delete a Group

1. On Groups page, tap "+" > Input a group name > Tap "Confirm" to add a group.

2. If you want to delete a group on the list, slide left to delete it.

3. on Devices page,users can switch different groups.



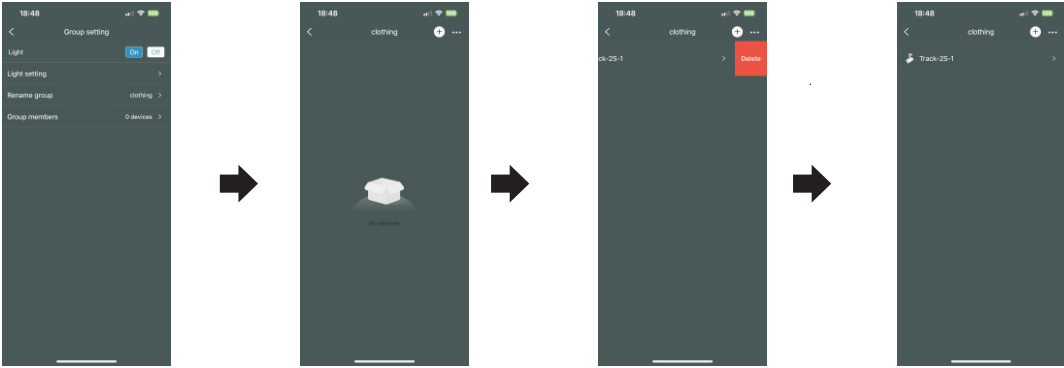
Group members management

1. Tap "Group members" to get into device list.

2. Tap "+" to add new devices to the group.

3. Slide left on the device list to delete it from current group.

4. For multi operation of deleting , tap "...on the top right corner.



Group Setting

On the Groups page, tap setting icon to get into Group Setting page.

Light On/Off : Turn on or off all lights in the group by APP. In order to avoid turning on or off too frequently, there is a three-second wait between On and Off.

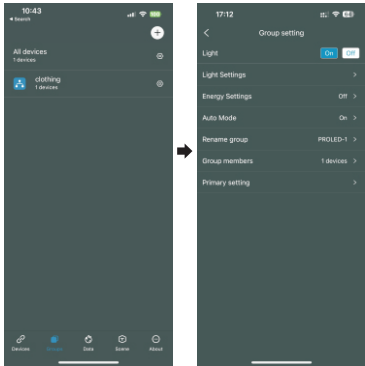
Light setting : As the same as the single device, but this item here is for all lights in the group.

Energy settings : When there is a device with sensor in the group, energy settings can be effective. All devices with sensor and without sensor in the group will synchronize energy saving.

Auto Mode : Only device with sensor is effective.

Rename group: Rename the group.

Group members : Show how many devices in the group. Tap to show device list.

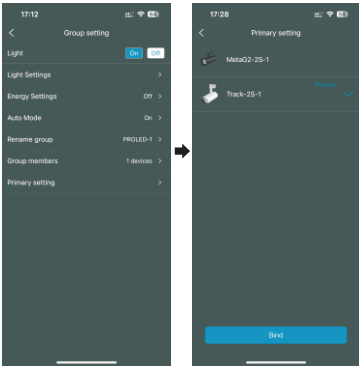


Primary setting

1. Tap "Primary setting" to get into device list.

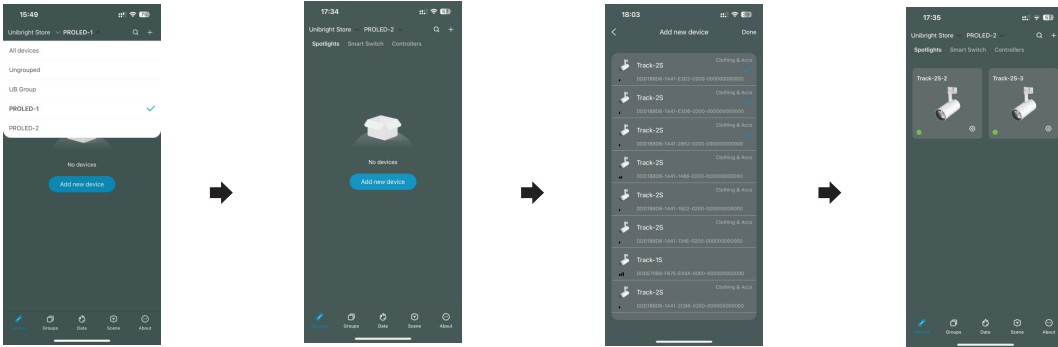
2. Select a device as the Primary light and tap "Bind" to complete setting (non-sensor device cannot be used as Primary light).

3. Set the Primary light to Auto Mode. When the Primary light detects target object, the light changes and the Secondary lights will follow. Set the Primary light to energy-saving mode. When the Primary light enters energy-saving mode, the Secondary lights will follow. That is, if you make any changes for the Primary light, the Secondary lights will follow.



Add devices to groups

In Devices page,select a group. Tap "Add new device" or "+" on the top right of the App to view all spotlights within Bluetooth reach. Choose device and Tap "Done". Devices selected will be added to the group.



All Devices Control

1. Get into "Groups" page. There is an item "All devices" on the top.

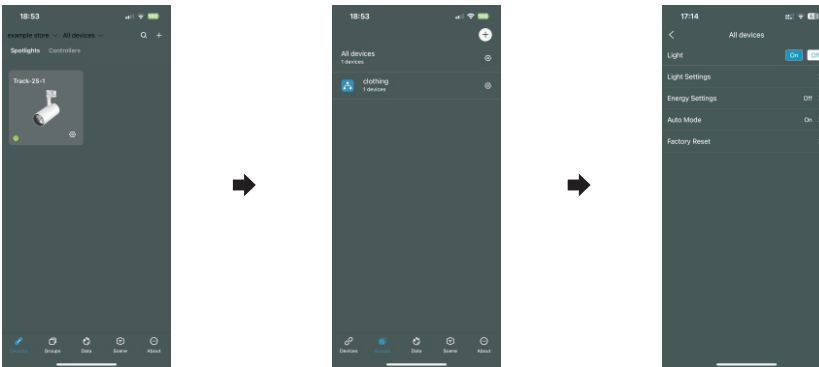
2. Tap setting icon to get into All devices page.

Light On/Off : Turn on or off all lights (including grouped and ungrouped) by APP. In order to avoid turning on/off too frequently, there is a three-second wait between On and Off.

Light settings : As the same as the single device, but this item here is for all lights (including grouped and ungrouped).

Energy settings : Only device with sensor is effective.

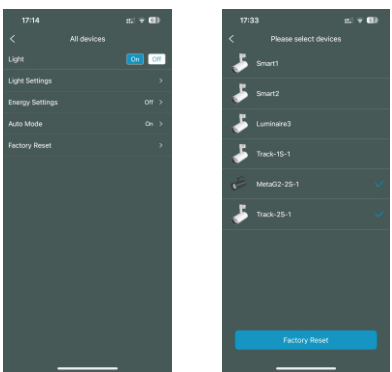
Auto Mode : Only device with sensor is effective.



All Devices Control + Scene

Reset multiple devices at one time

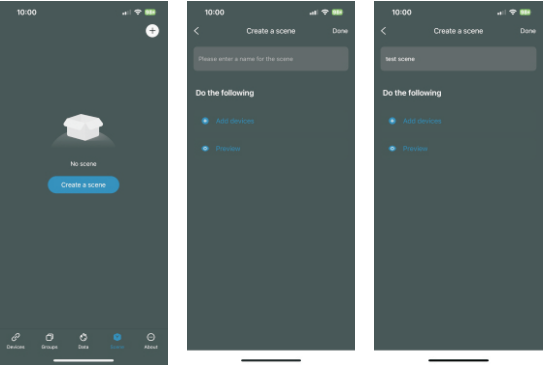
In All devices page, tap "Factory Reset". Select devices and tap Factory Reset.



Creat a scene

1. In"Scene"page, tap "Creat a scene"or "+".

2. Enter a name for the scene.



Add devices to the scene

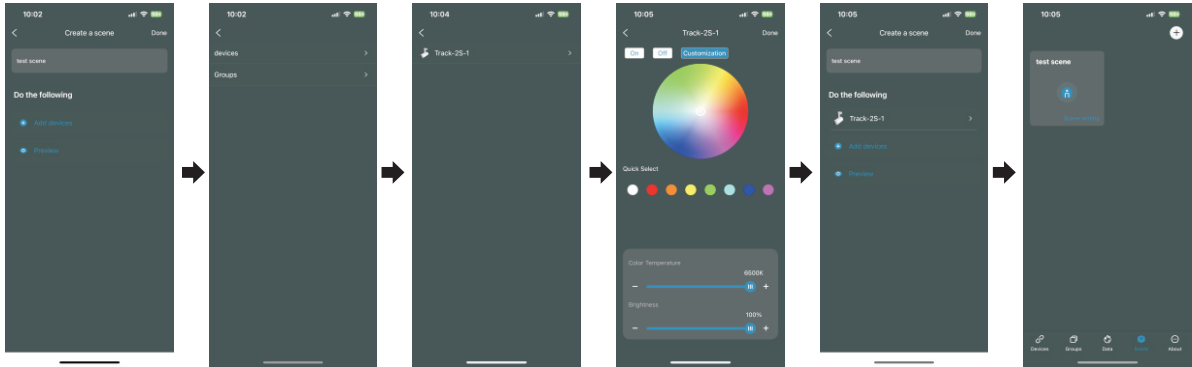
1. Tap "Add devices"> "devices"> tap a device.

2. Select the effect of the device: "On", "Off", or "Customization". For example , tap"Customization"and tune color saturation, color temperature, and brightness of the light.

3. User can add multiple devices or groups in one scene.

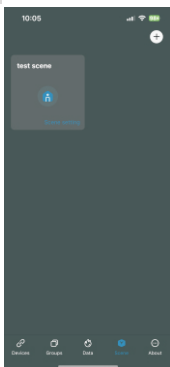
4. Tap "preview"to check the effect of the lighting.

5. Tap "Done"to save the settings.



Execute a scene

Tap the scene icon and the lighting will change to the set effect.

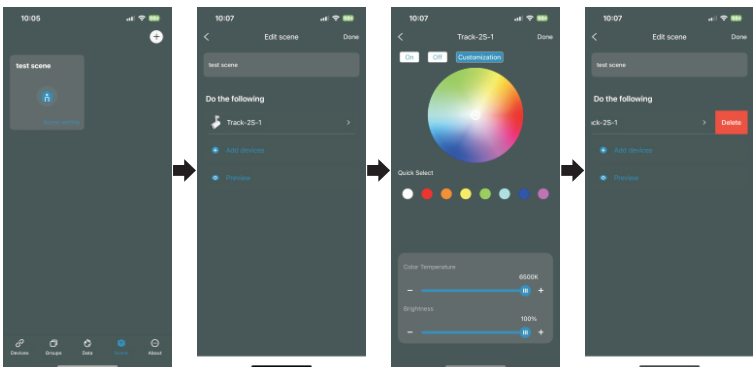


Scene setting

1. Tap "Scene setting" > tap a device.User can modify the effect of the lighting.

2. Slide left on the device list to delete it.

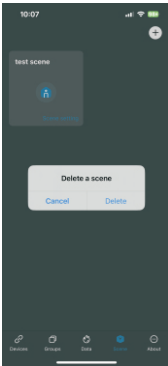
3. Tap "Done"to save the settings.



Delete a scene

1. Tap the scene icon and hold on,and a dialog box pops up.

2. Tap "Delete" and delete the scene.

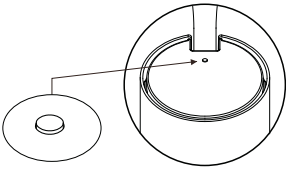


How to deal with disconnected device

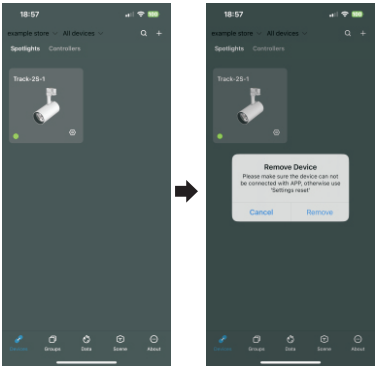
1. Tap and hold on the light icon, and a dialog box pops up.

2. Choose "Remove" to remove the light from App. Note: Please be very cautious to use this function! If the light can be connected with App, please remove it with "Factory Reset" in Settings page. If you remove a device this way, the only way to get it back is resetting it physically and add it back again.

How to reset a device physically? Please press the physical button on the device for more than 5 seconds.



Reset switch



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