

# Light+Space App User Manual

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## 1. Introduction

### 1.1 Purpose

## 2. Log in to the Light+Space app and reset the password

### 2.1 Log in to the Light+Space app

### 2.2 Reset the password

## 3. Create a project

### 3.1 Create a project

### 3.2 Create an area

#### 3.3.1 Create multiple levels of areas

## 4. Add a device

### 4.1 Add a Bluetooth gateway

### 4.2 Add a Bluetooth mesh device

## 5. Manage devices

### 5.1 Control devices

#### 5.1.1 Implement quick control

#### 5.1.2 Control a single device

#### 5.1.3 Control a group of devices

#### 5.1.4 Control devices based on scenes

### 5.2 Assign an area to devices

#### 5.2.1 Assign an area to a device that has not been assigned to an area

#### 5.2.2 Change the area assigned to a device

## 6. Manage areas

### 6.1 Filter areas

#### 6.2 Add an area to the homepage

## 7. Smart device control

### 7.1 Schedule-based device control

#### 7.1.1 Create a schedule

#### 7.1.2 Create a task

7.1.3 Set a special date

7.2 Automation-based device control

7.2.1 Add a condition

7.2.2 Add a task

7.2.3 Add a special date

8. Monitor devices

8.1 Device overview

8.2 Device category

8.3 Energy consumption

9. View alarms and exceptions

9.1 Alarm Profile

9.2 Abnormal Profile

# 1. Introduction

## 1.1 Purpose

This document provides Tuya employees and customers with instructions on how to use the Light+Space app.

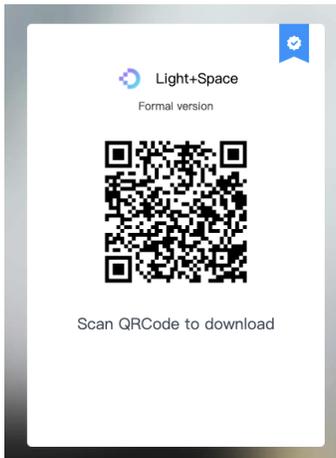
## 2. Log in to the Light+Space app and reset the password

### 2.1 Log in to the Light+Space app

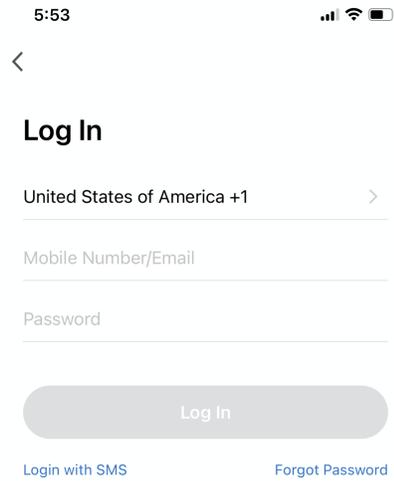
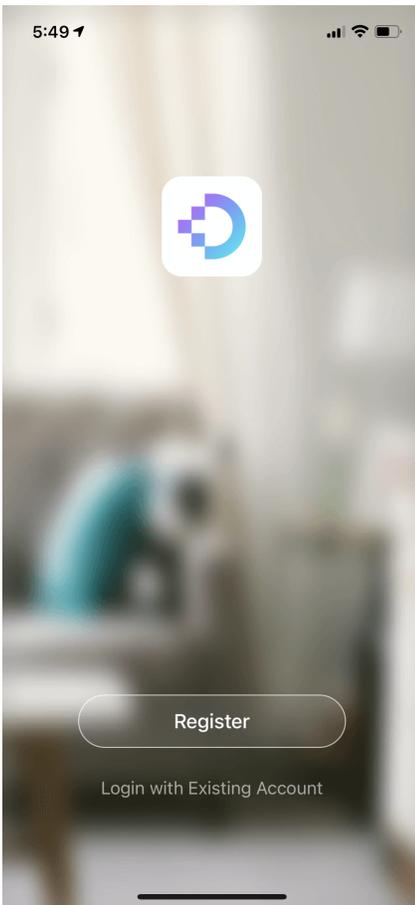
Visit the following link to obtain the QR code of the Light+Space app, use a browser in your mobile phone to scan the QR code to download the app, and then install the app:

<https://smartapp.tuya.com/lightingcom>.

Alternatively, search for the Light+Space app in the app store and download and install the app.

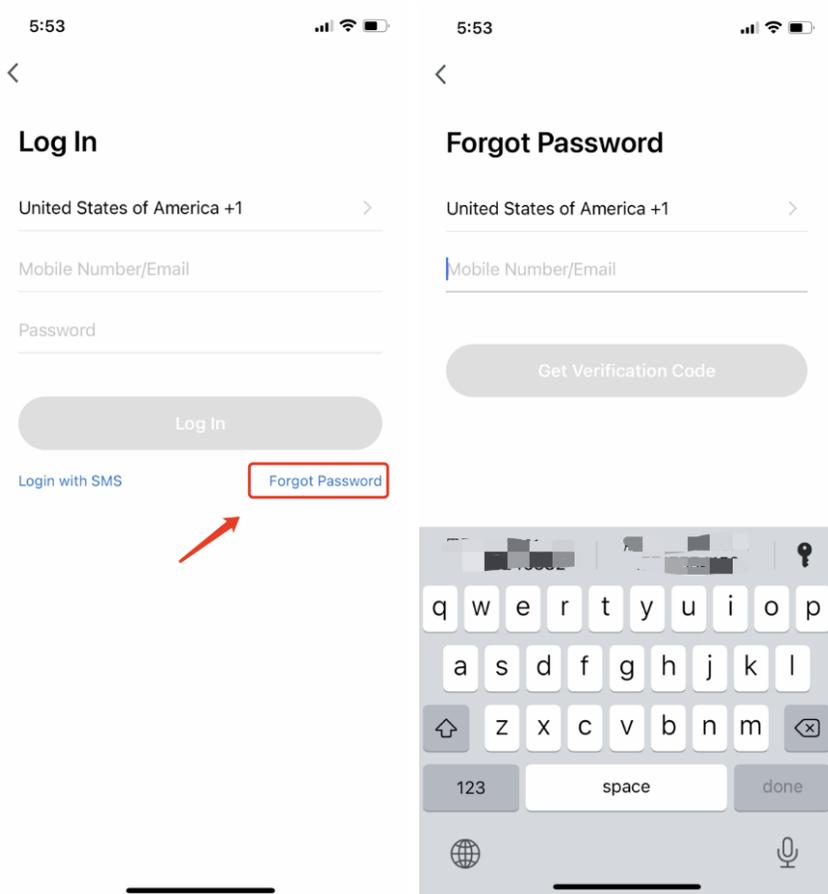


Open the Light+Space app. Tap **Login with Existing Account**. In the **Notice** dialog box, tap **Agree**. Use the account assigned to you on the Tuya Commercial Lighting SaaS platform to log in to the app. If you do not have an account, contact Tuya staff and apply for one. If you use the Light+Space app only to perform a small-scale test, you can register an account on your own. To register an account, tap **Register** on the registration and login page. In the **Notice** dialog box, tap **Agree**. Enter your mobile phone number or email address and tap **Get Verification Code**. Enter the received verification code. Set a password and tap **Done**. Then you automatically log in to the app.



## 2.2 Reset the password

If you forget your password, you can tap **Forgot Password** in the bottom right corner of the **Log In** page to reset the password.



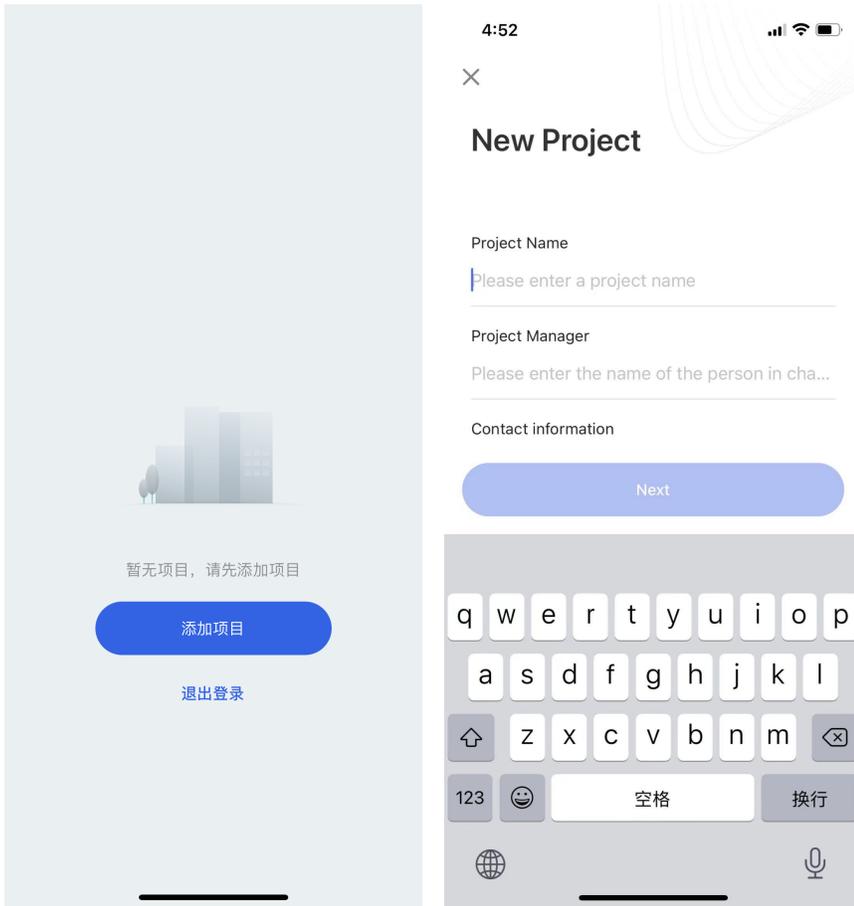
### 3. Create a project

After you log in to the Light+Space app, you can tap **Add Project** to create a project as required.

#### 3.1 Create a project

After you tap **Add Project**, enter the following information and tap **NEXT** on the **New Project** page to create a project:

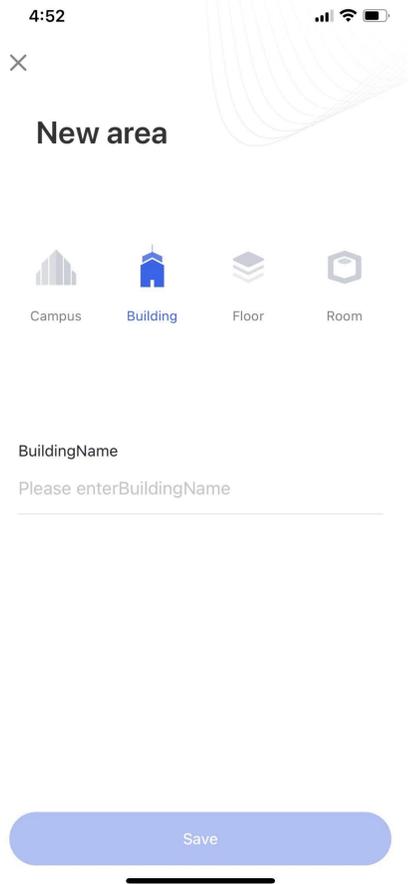
- Project name
- Responsible person
- Contact information
- Project location



## 3.2 Create an area

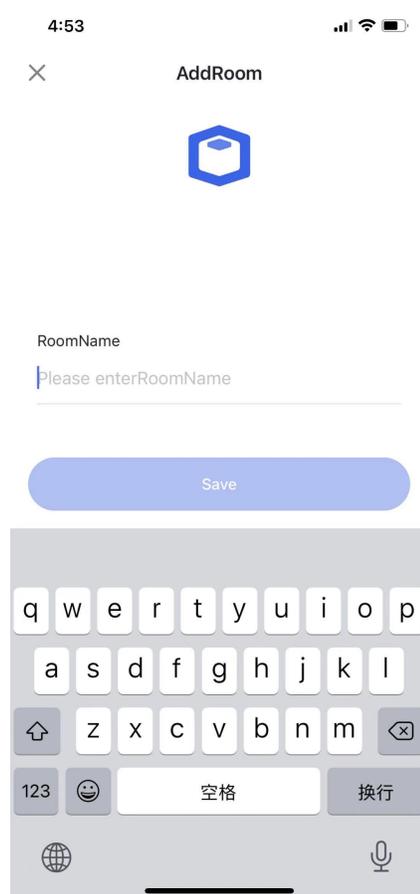
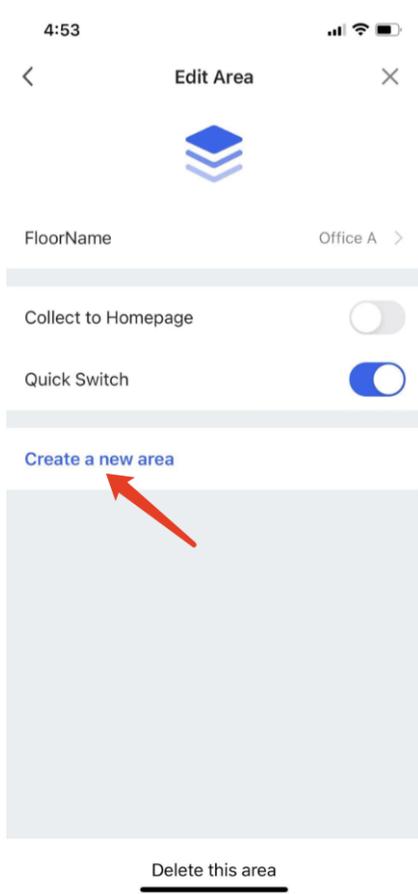
After you tap **NEXT**, the **Created successfully** dialog box appears. You can tap **Go to** in the dialog box to go to the **New area** page, where you can create an area in the project.

On the **New area** page, you can select an area attribute based on the project requirements. The available area attributes are **Campus**, **Building**, **Floor**, and **Room**.

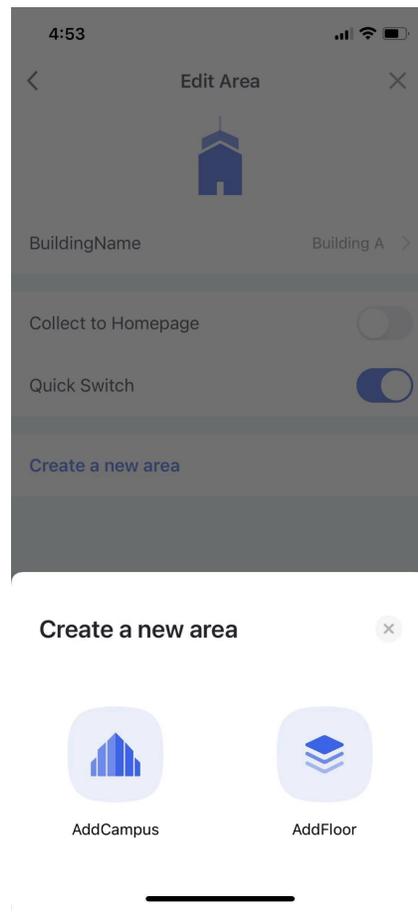
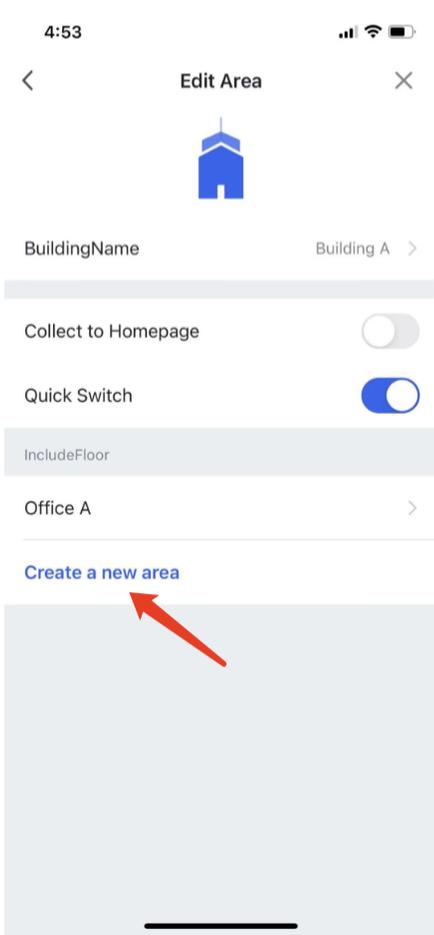


### 3.3.1 Create multiple levels of areas

Areas of different attributes are sorted based on the hierarchy. For example, the **Room** area is under the **Floor** area. If you want to create an area under the current area, perform the following operations: Go to the **Area Management** page and tap the area. On the **Edit Area** page, tap **Create a new area**. Enter an area name and tap **SAVE**.



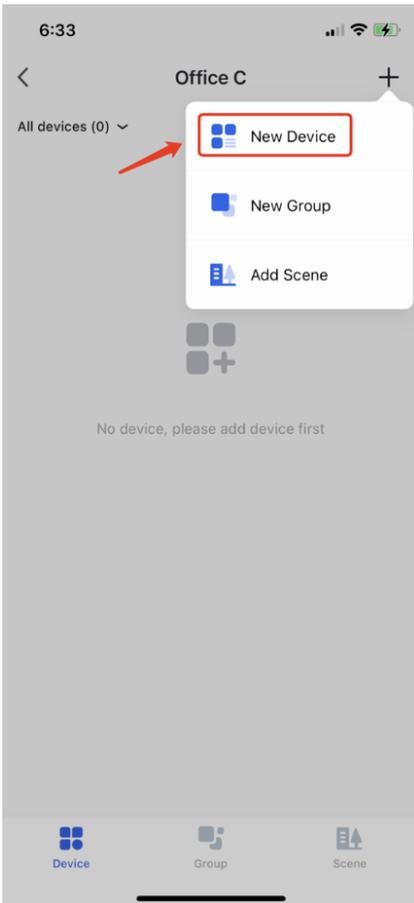
If you want to expand your project scope, you can tap **Create a new area** on the **Area Management** page to create an upper-level area.



*Note: You can create an upper-level area only when the current level-1 area is not a Campus area.*

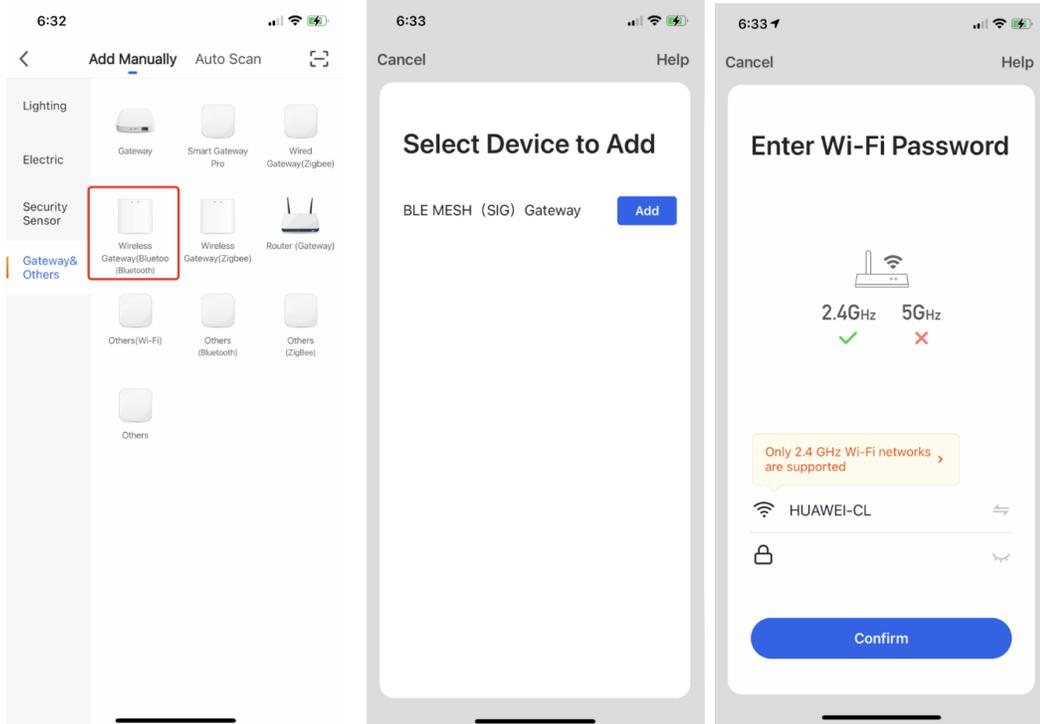
## 4. Add a device

After you log in to the app, select the project for which you want to implement installation. On the **Project** page, tap an area in the **Area Management** section. In the top right corner, go to **+ > New Device**. On the **Add Manually** tab, select a device type and follow the onscreen instructions to manually add a device. Alternatively, tap the **Auto Scan** tab and follow the onscreen instructions to automatically detect and add a device. For **Bluetooth** and **Zigbee devices**, you need to add a gateway first and then add a device on the gateway page. This section uses a Bluetooth mesh device as an example to describe how to add a device.

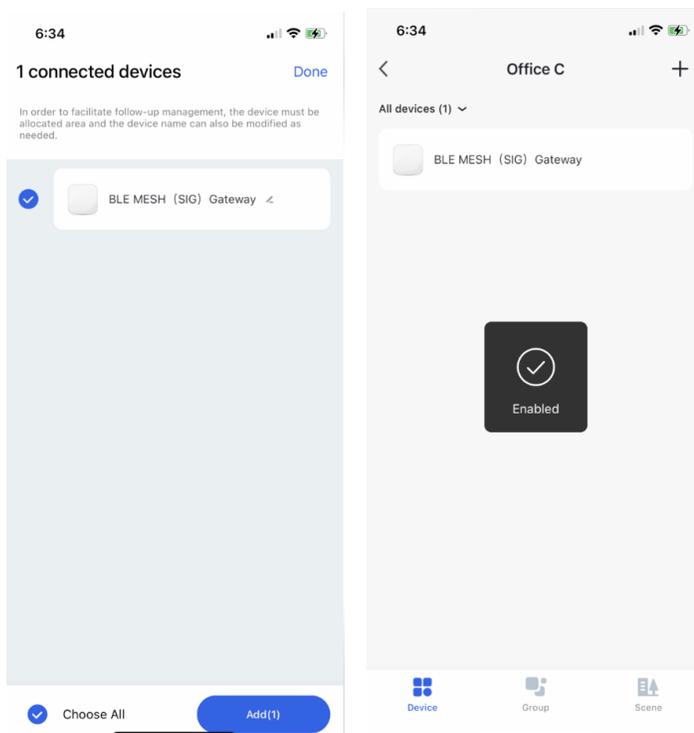


## 4.1 Add a Bluetooth gateway

Press and hold the Reset button on the Bluetooth gateway. If the red indicator on the Bluetooth gateway blinks slowly and the blue indicator is on, the gateway enters the to-be-paired state. On the **Add Manually** tab, tap **Wireless Gateway (Bluetooth)**. Tap **Confirm indicators status right** to search for the Bluetooth gateway. After the Bluetooth gateway is detected, tap **Add** next to the gateway. Enter the Wi-Fi password and tap **Confirm**.



After the Bluetooth gateway is connected to the Wi-Fi network, select the Bluetooth gateway and tap **Add** to add the Bluetooth gateway to the current area. You can also transfer the Bluetooth gateway to another area in the **Device Location** dialog box.

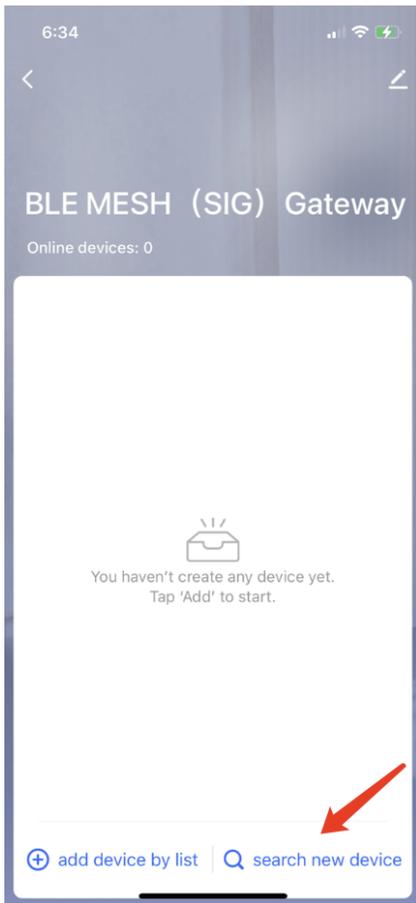


## 4.2 Add a Bluetooth mesh device

1. On the area page, tap the added Bluetooth gateway.
2. Tap **search new device** in the bottom right corner. Select a device category and follow the onscreen instructions to add a device.

After the device is added, you can assign the device to a specified area.

If you tap **Done** in the top right corner without selecting an area, the device is added to the **No area assigned** page.



## 5. Mange devices

### 5.1 Control devices

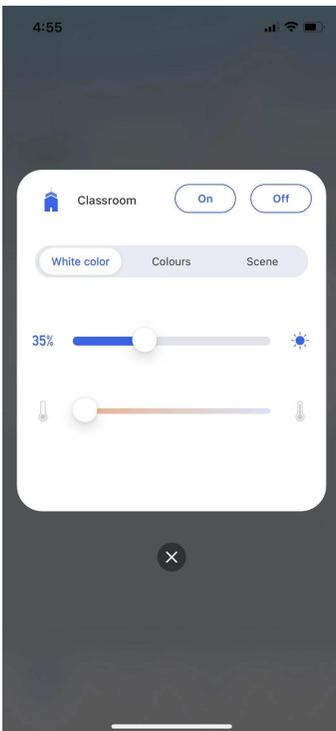
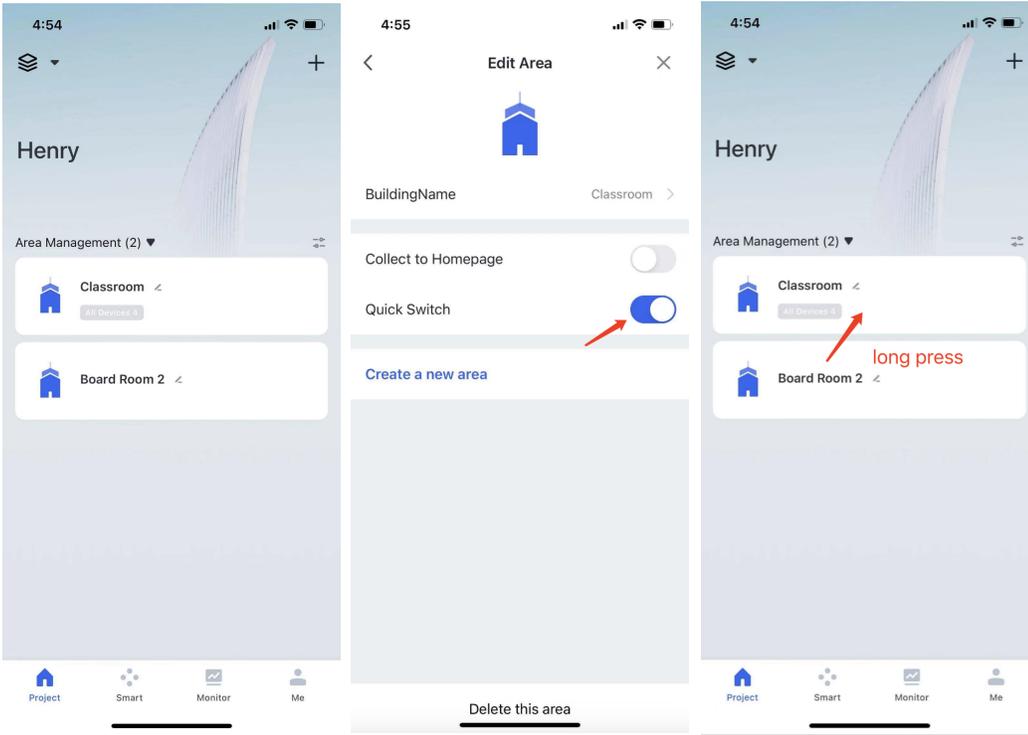
Added devices can be managed and controlled by area dimensions such as floor and room as well as by device-related dimensions such as device, device group, and scene. You can turn on or turn off multiple lighting devices at a time. You can also adjust the brightness, color temperature, and color for multiple lighting devices at a time.

#### 5.1.1 Implement quick control

On the **Project** page, you can control all devices in an area, such as on a floor and in a room. Tap and hold an area card. In the pop-up window, you can easily switch between **White color**, **Colours**, and **Scene**.

**Procedure:**

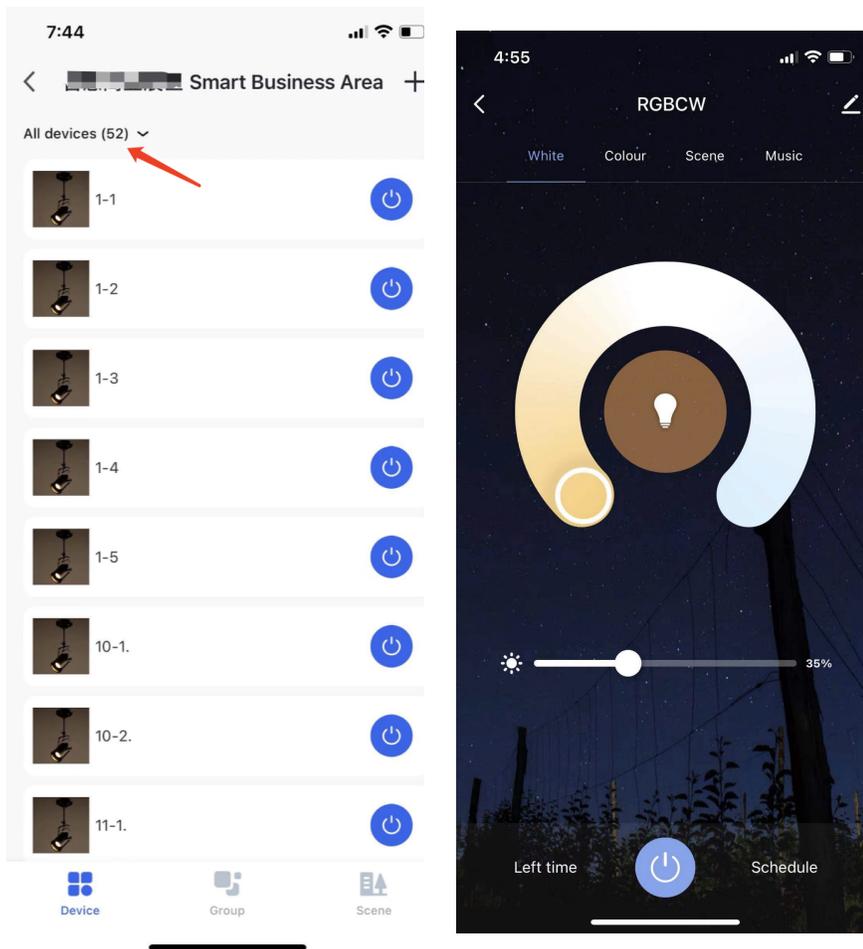
1. Add your lighting devices to the desired area, for example, the Exhibition South area.
2. Tap the pencil icon next to the area name to go to the **Edit Area** page.
3. Turn on the **Quick Switch** toggle.
4. Go back to the **Project** page.
5. Tap and hold the area card for the Exhibition South area. In the pop-up window, you can control all lighting devices in the area.



*Note: If you tap and hold the card but the pop-up window does not appear, check the type of devices in the area. The unified control of devices in the pop-up window applies only to lighting devices.*

## 5.1.2 Control a single device

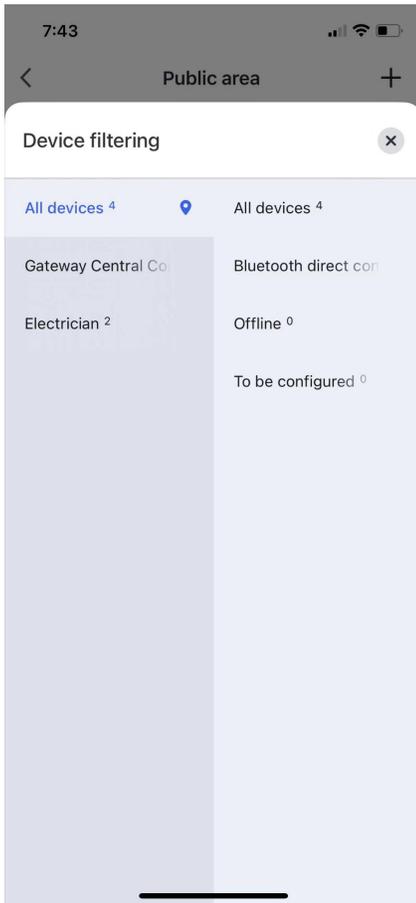
Go to the desired area. On the **Device** page, tap the device name in the device list to go to the device control page, where you can separately control the device.



On the **Device** page, you can tap **All devices** in the top left corner to filter devices by device category.

#### Filters:

- **Bluetooth direct connection:** If a device is not bound with the Bluetooth gateway and is connected through Bluetooth on your mobile phone, the device cannot be controlled beyond the specified distance or on the Tuya Commercial Lighting SaaS platform.
- **Offline:** The device has completed network pairing but is disconnected from the network. A disconnected device cannot be controlled on the Light+Space app.
- **To be configured:** This filter mainly applies to light devices. It indicates that the device has not been added to the main control and that you need to tap the device icon to reconfigure it.

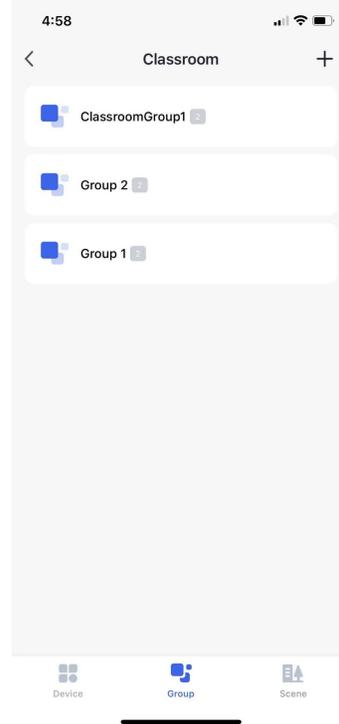
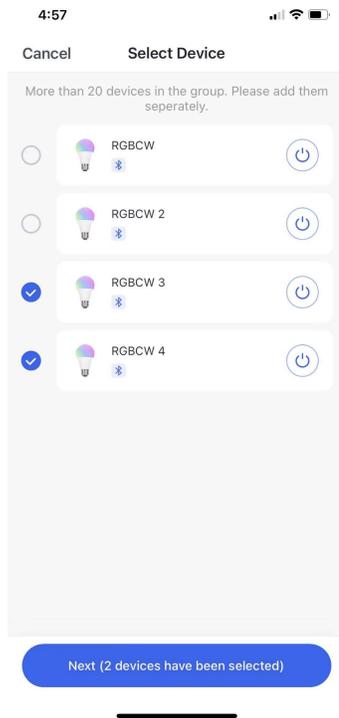
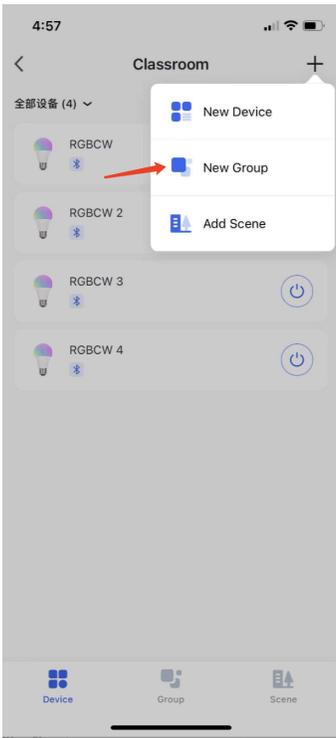


### 5.1.3 Control a group of devices

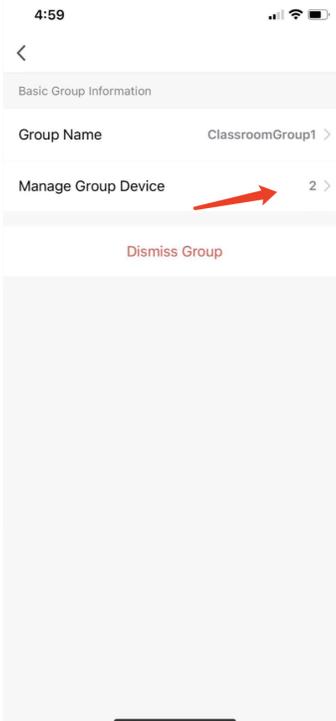
You can create a device group to control multiple devices with the same control mode under an area.

#### Procedure:

1. On the **Device** page, go to + > **New Group** in the top right corner.
2. Select the devices that you want to add to the group. Adding too many devices at a time takes a relatively long time. To reduce the time required to add devices, add a small number of devices each time.
3. Tap **Next**. Enter a group name to create a group.
4. Switch to the **Group** page. Tap the group name to go to the group control page. You can control all the devices in a unified manner.



When a group is created, you can view the information about the group in the group list and adjust lighting effects for all devices in the group at a time. To modify a group, on the group control page, tap the pencil icon in the top right corner. On the **More** page, tap **Manage Group Device** to add or remove devices.

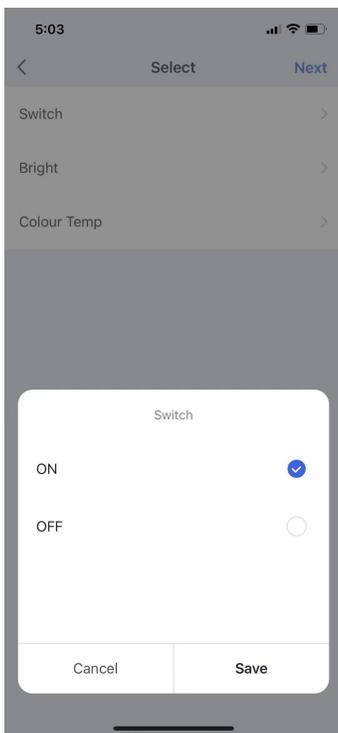
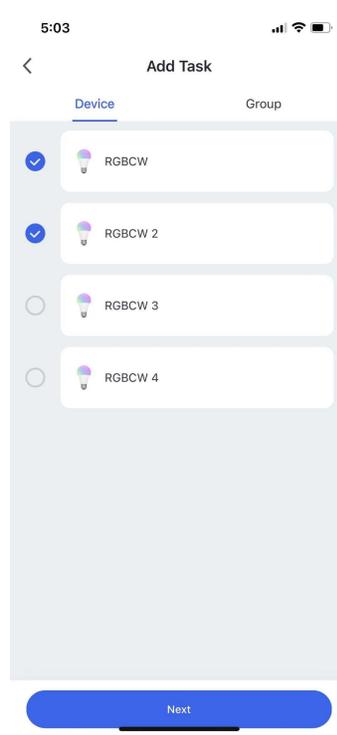
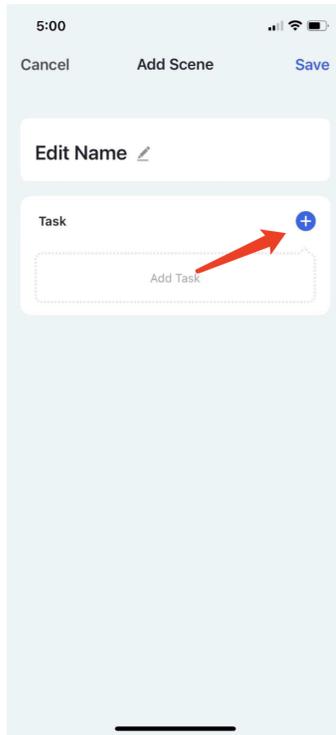
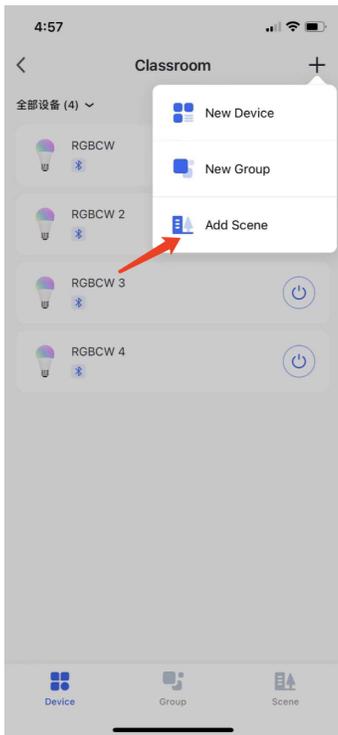


## 5.1.4 Control devices based on scenes

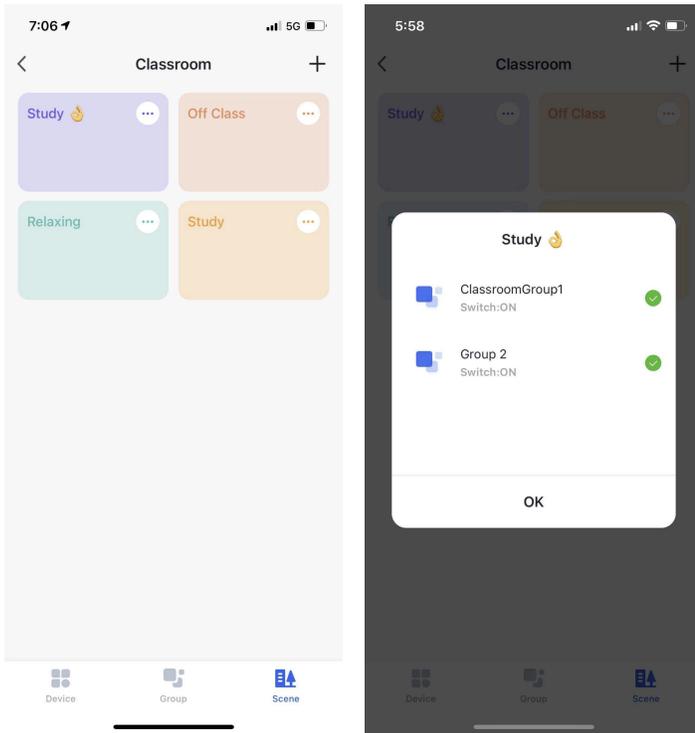
For different types of devices or groups, you can create a scene to control them in a unified manner.

### Procedure:

1. Go to + > **Add Scene** in the top right corner.
2. Tap the plus (+) icon in the **Task** section. On the **Add Task** page, select the devices or group that you want to control based on the scene and tap **Next**.
3. On the **Select** page, select a control task to be performed on the selected devices or group. In the pop-up window, set the task and tap **Save**. Tap **Next** in the top right corner.
4. Enter the scene name.
5. On the **Scene** page. Tap the scene card to trigger the scene.



After the scene is created, you can tap the scene in the scene list to run the scene



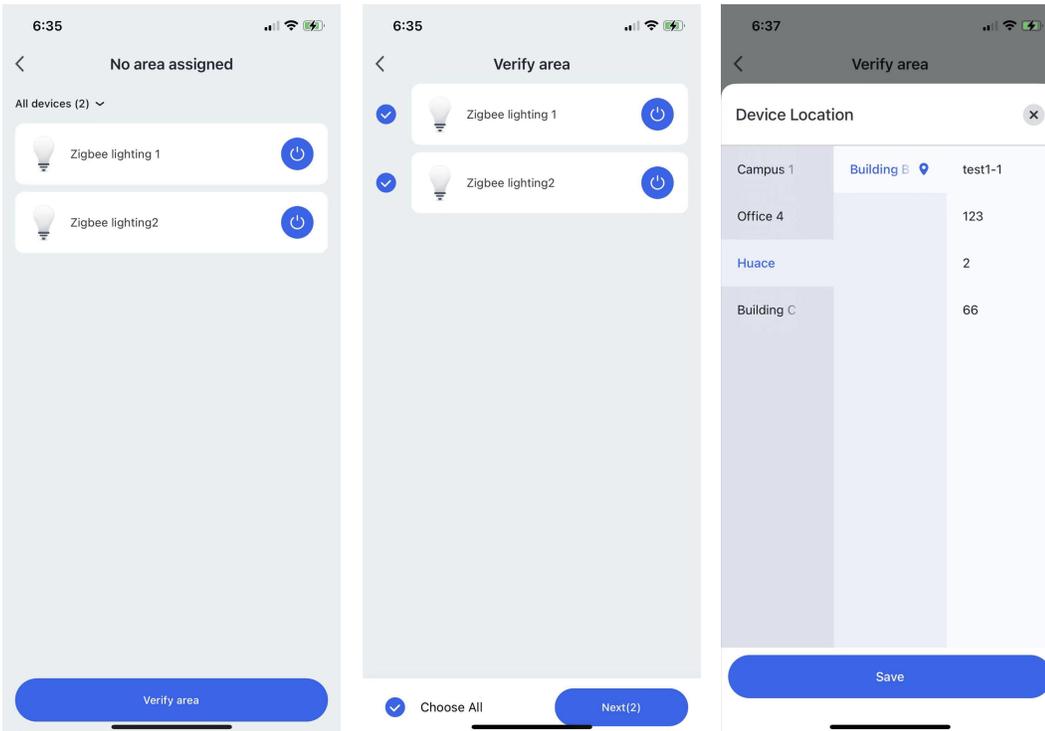
## 5.2 Assign an area to devices

### 5.2.1 Assign an area to a device that has not been assigned to an area

After pairing, devices that are not assigned to areas are moved to the **No area assigned** page.

You can perform the following operations to assign such devices to corresponding areas:

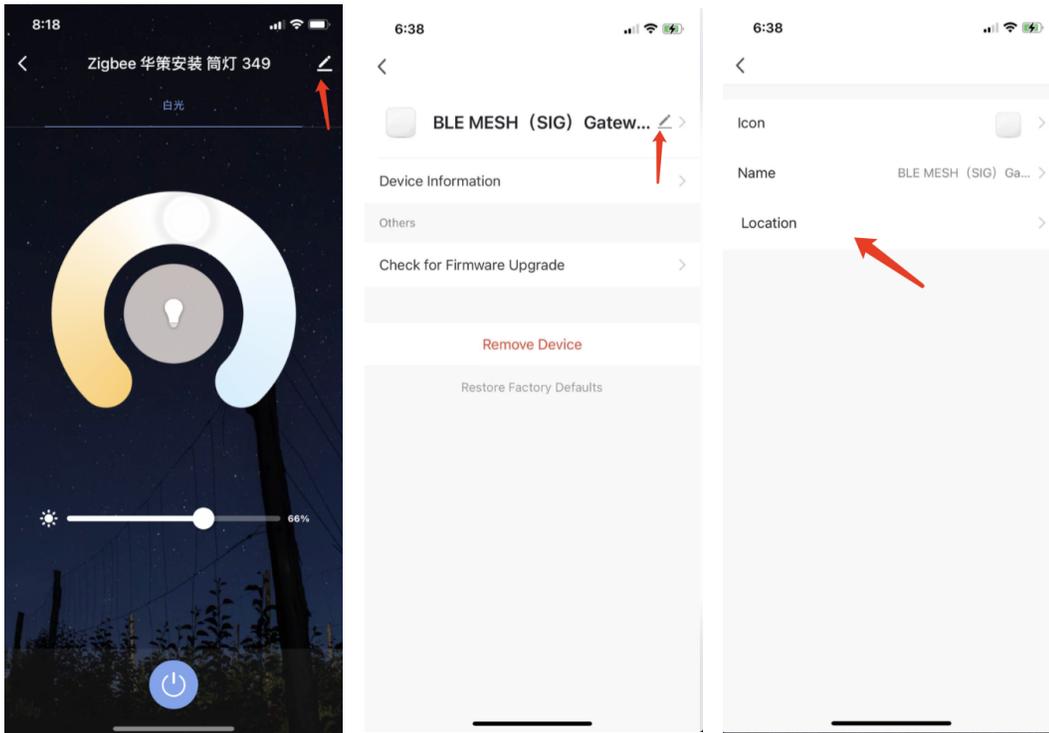
1. On the **No area assigned** page, select a device category and tap **Verify area**.
2. Select devices and tap **Next**.
3. Select the target area and tap **Save**. Then the selected devices are assigned to the target area.



*Note: You need to wait longer if you select multiple devices at a time. It is recommended that you select a maximum of 20 devices each time.*

## 5.2.2 Change the area assigned to a device

Tap the target device to go to the device page. Then tap the edit icon in the top right corner. Tap **Device Location** and select an area to which you want to transfer the device.

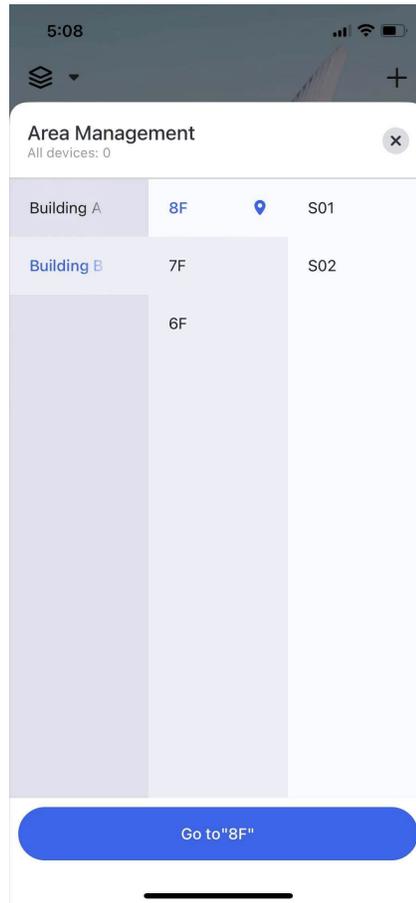
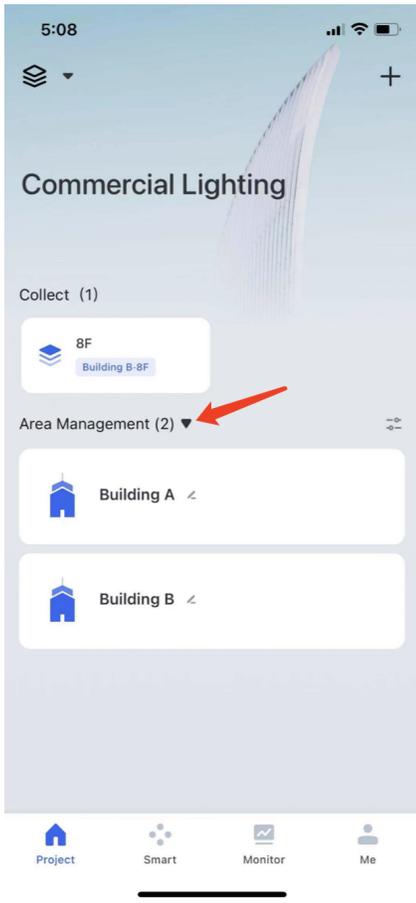


After all the devices are added, you can continue to configure the project on the Tuya Commercial Lighting SaaS platform. Installation personnel can configure groups and scenes by using the app. Settings configured in the app can also be edited on the SaaS platform.

## 6. Manage areas

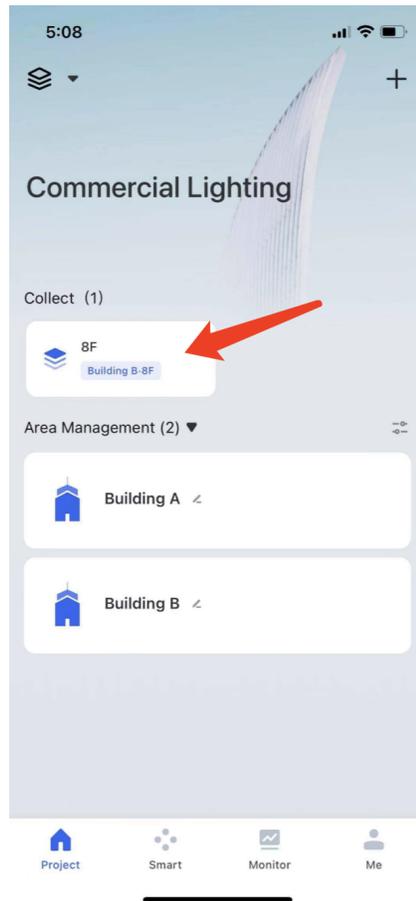
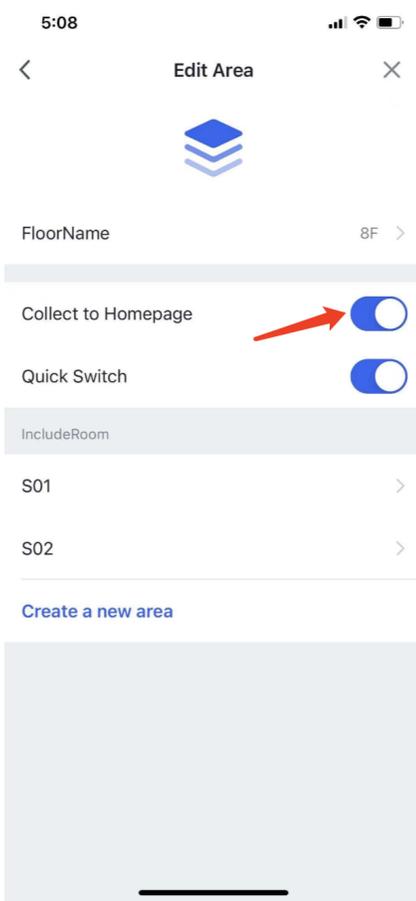
### 6.1 Filter areas

On the **Project** page, tap the arrow icon next to **Area Management**. On the **Area Management** window, select the desired area and tap **Go**.



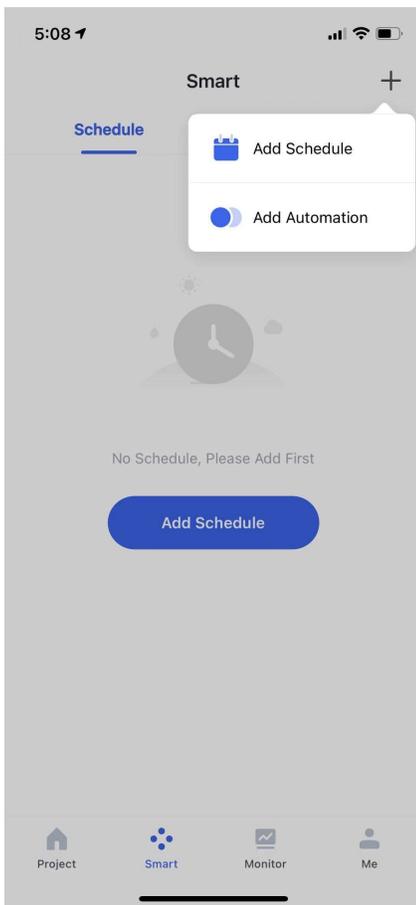
## 6.2 Add an area to the homepage

On the **Project** page, tap the area name on the area card to go to the **Edit Area** page. Tap **Collect to Homepage** to add the area to the **Collect** section on the **Project** page. Adding an area to the homepage enables you to quickly locate the area.



## 7. Smart device control

You can control devices according to time changes, device status changes, and weather information. Smart control is schedule-based and automation-based.



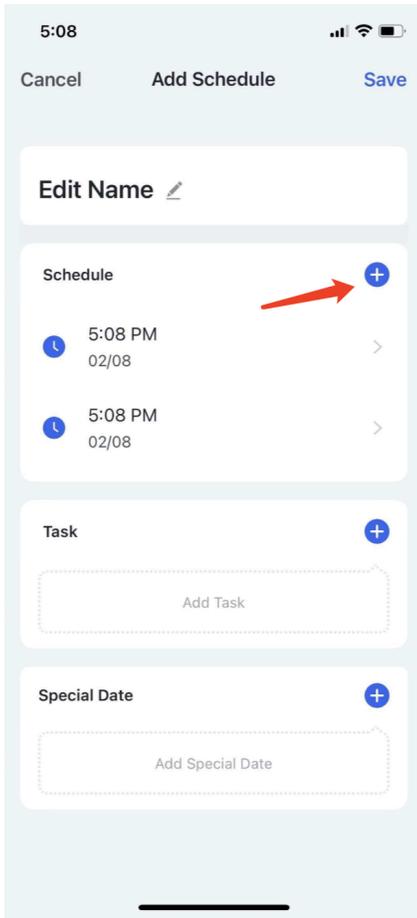
## 7.1 Schedule–based device control

Schedule–based device control enables tasks to be performed at the specified time. To create a schedule, on the **Smart** page, go to + > **Add Schedule**.

- **Schedule:** A schedule is a task execution time. The task execution time can be set to repeat weekly.
- **Task:** Tasks include **Device or Group, Run Scene, Enable or Disable Automation, and Time to left** tasks.
- **Special Date:** Tasks on a special date are disabled.

### 7.1.1 Create a schedule

You can set a task execution time. The task execution time can be set to repeat weekly. A single schedule has a maximum of 5 execution times.

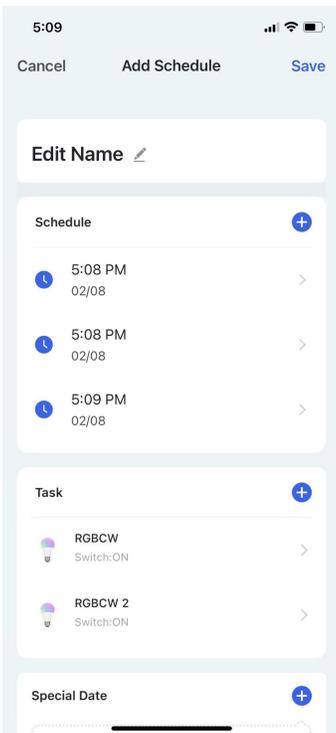
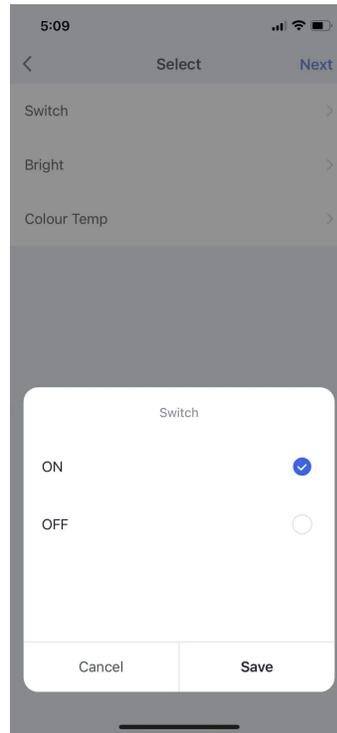
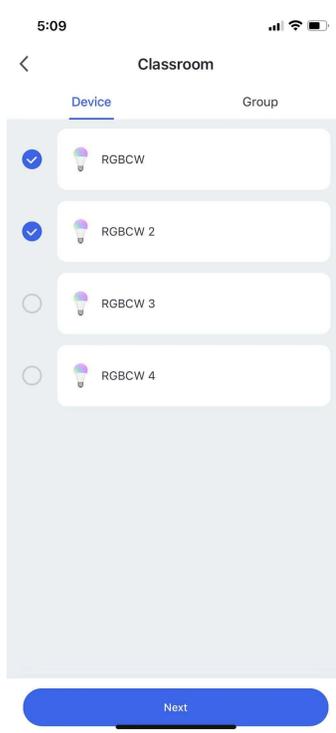
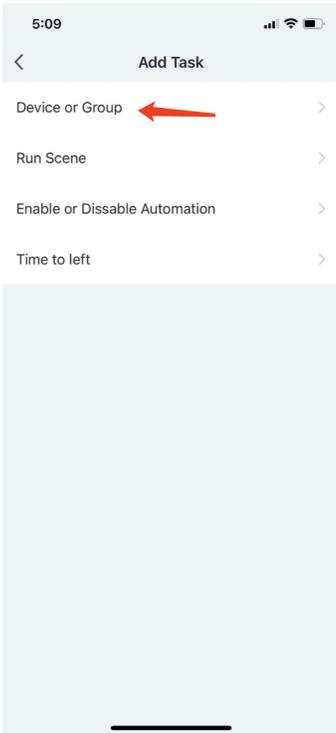


## 7.1.2 Create a task

You can create a **Device or Group**, a **Run Scene**, an **Enable or Disable Automation**, or a **Time to left** task. You can select multiple tasks in a schedule. The following section describes how to add a task:

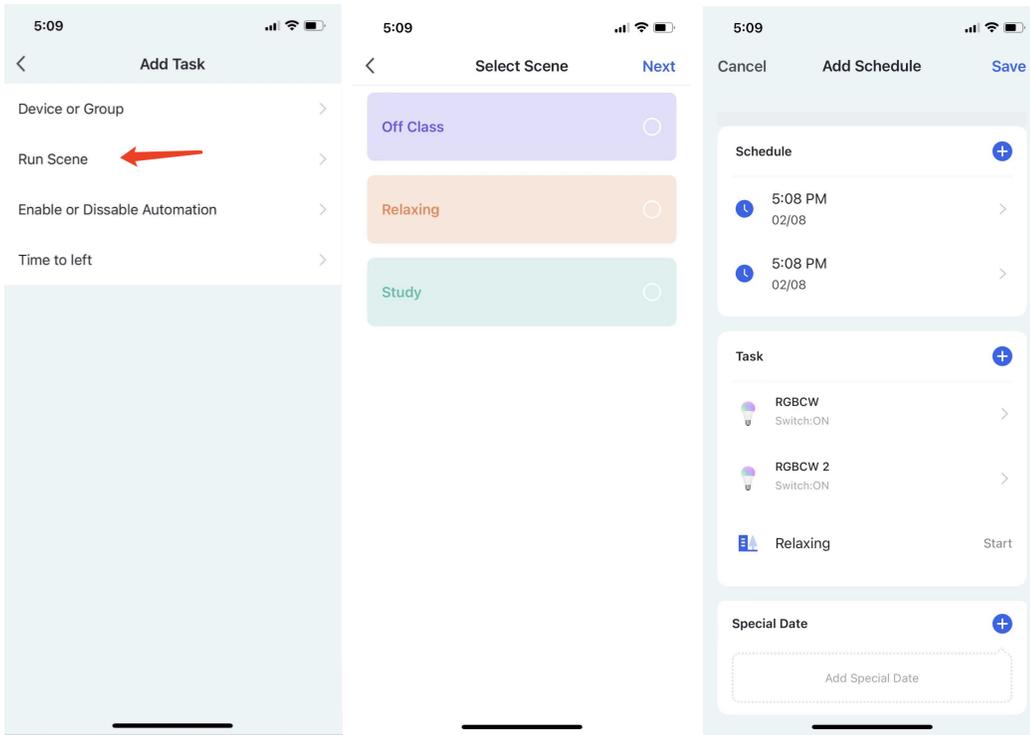
- **Device or Group:**

On the Add Schedule page, tap the plus (+) icon in the Task section. Tap Device or Group. Select an area. On the Add Task page, select one or more devices on the Device page or one or more groups on the Group page. Tap Next. On the Select page, set a task and tap Next in the top right corner.



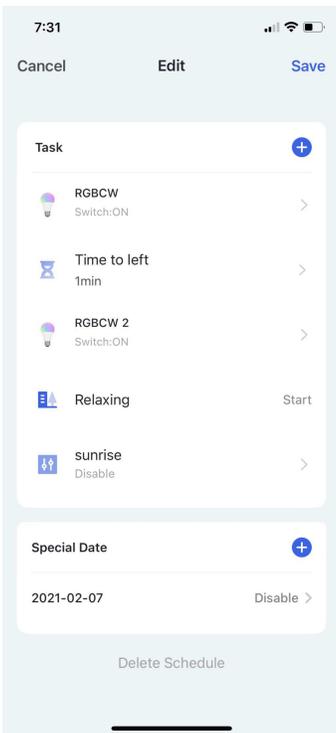
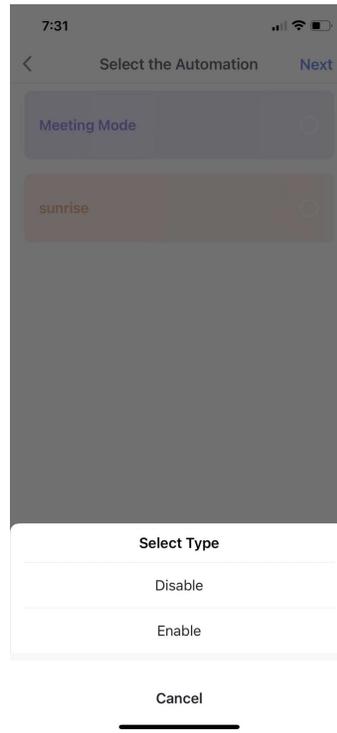
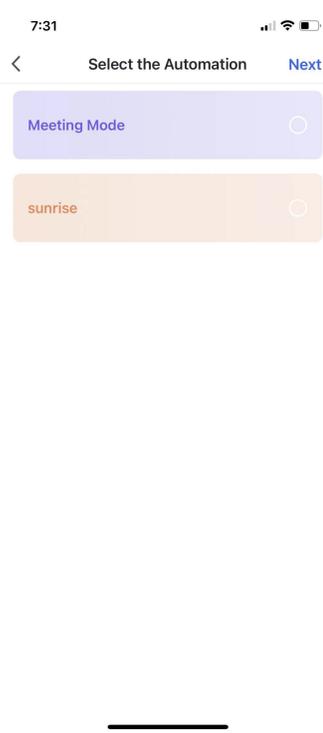
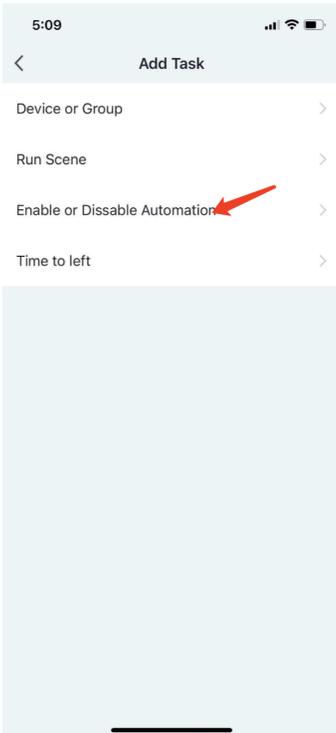
• **Run Scene:**

On the **Add Schedule** page, tap the plus (+) icon in the **Task** section. Tap **Run Scene**. Select an area. On the **Select Scene** page, select one or more scenes and tap **Next**.



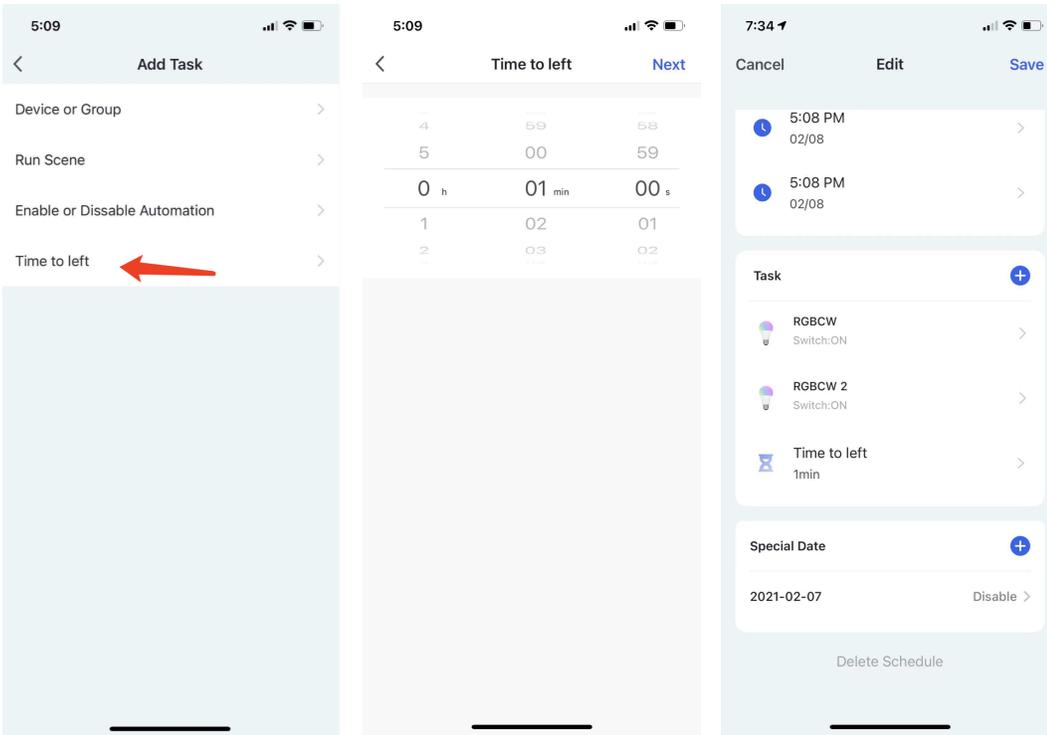
- **Enable or Disable Automation**

On the **Add Schedule** page, tap the plus (+) icon in the **Task** section. Tap **Enable or Disable Automation**. On the **Select the Automation** page, select an automation scene. On the **Select Type** window, select **Enable or Disable**. Tap **Next**.



### · Time to left

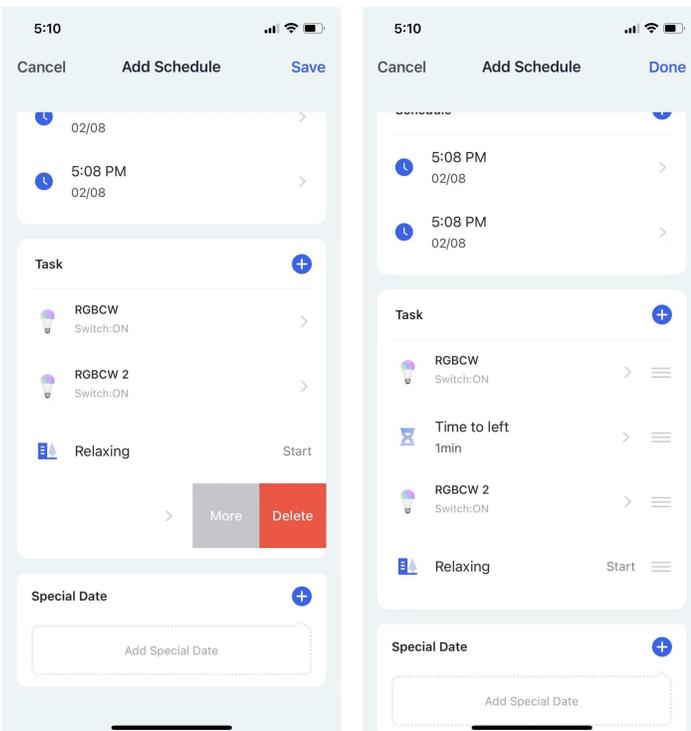
On the **Add Schedule** page, tap the plus (+) icon in the **Task** section. Tap **Time to left** to set a countdown timer and tap **Next**. A maximum of 5 hours of countdown timer can be set.



*Note: A Time to left action cannot be the last action in the schedule.*

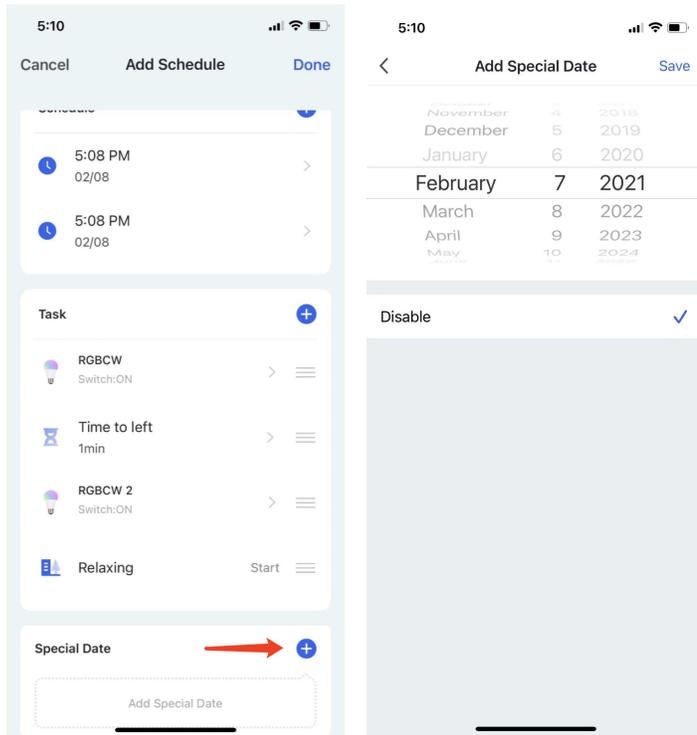
### • Order tasks

On the schedule edit page, for an iPhone, swipe left on a task to adjust the sequence of the task. For a phone that runs the Android operating system, tap and hold a task and drag it to adjust the sequence of the task.



## 7.1.3 Set a special date

To disable a schedule on one or more particular days, set one or more special dates.



## 7.2 Automation–based device control

Automation enables tasks to be automatically performed once conditions are met.

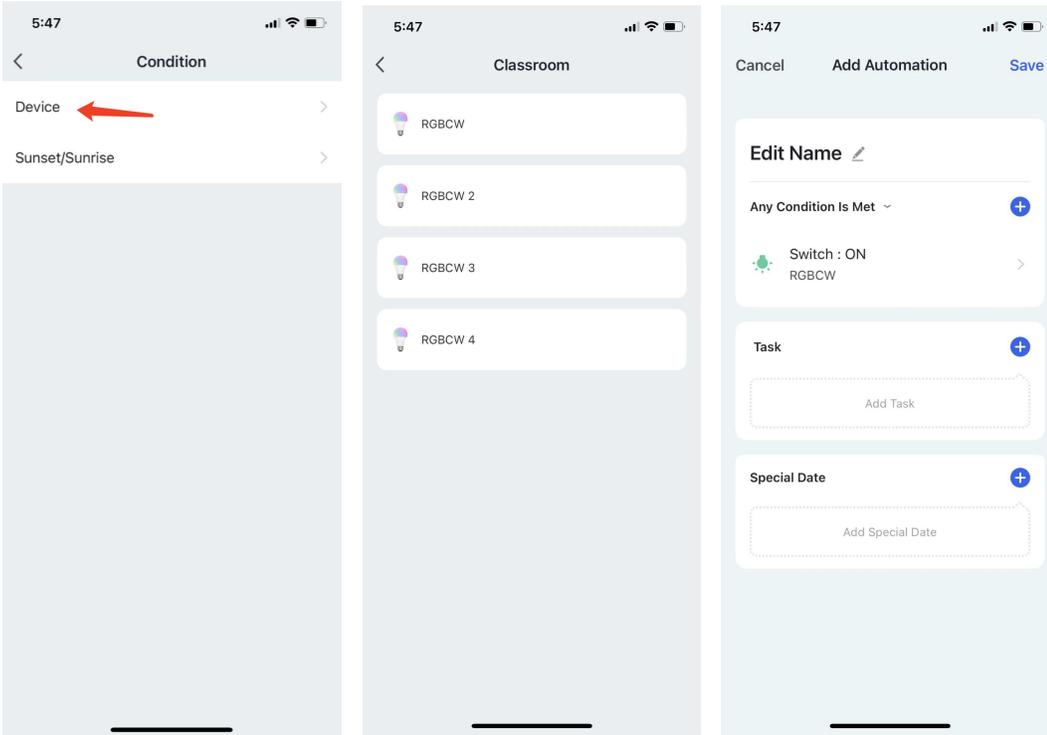
- **Condition:** Conditions include device statuses, sunrise, and sunset. An automation scene can have one or multiple conditions. Automation can be triggered when all conditions are met or any condition is met.
- **Task:** Tasks are performed on devices and device groups and include **Run Scene** and **Time to left** tasks. You can select multiple tasks in an automation scene.
- **Special Date:** You can set a special date to disable the automation scene on that day.

### 7.2.1 Add a condition

Device statuses, sunrise, and sunset can be set as trigger conditions. An automation scene can have one or multiple conditions. Automation can be triggered when all conditions are met or any condition is met.

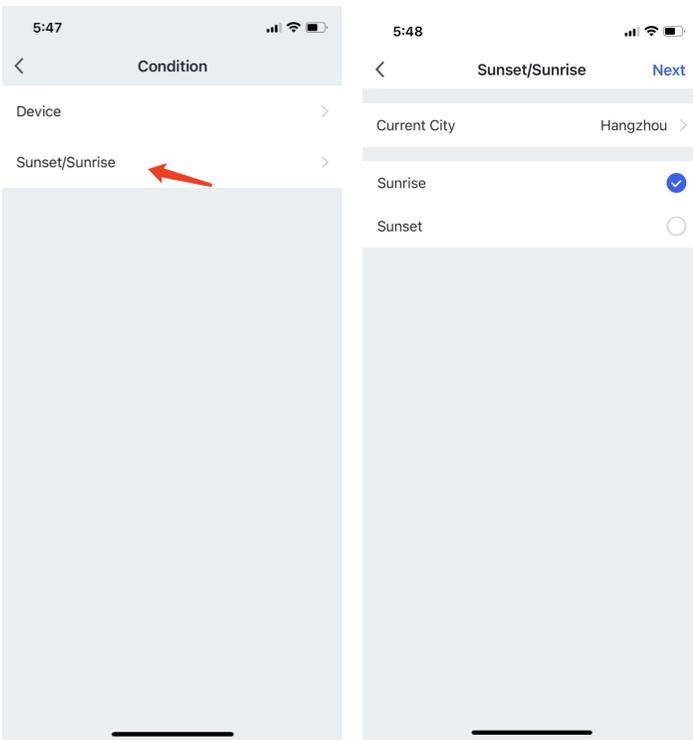
- **Add a device–based condition**

To add a device–based condition, go to **Add Automation > Add Condition > Device**. Select an area. Select a device in the area. Set a device action or status as a condition.



· **Add sunrise or sunset as a condition**

To use sunrise or sunset as a condition, go to **Add Automation > Add Condition > Sunset/Sunrise**. Select a city, select **Sunrise** or **Sunset**, and tap **Next** in the top right corner.



**7.2.2 Add a task**

Tasks are performed on devices and device groups and include **Run Scene** and **Time to left** tasks. The steps to add a task in an automation scene are the same as adding a task in a schedule.

### 7.2.3 Add a special date

You can set a special date to disable the automation scene on that day. The steps to add a special day in an automation scene are the same as adding a special day in a schedule.

## 8. Monitor devices

On the **Monitor** page, you can view the device overview, device categories, and energy consumption of the devices under the current project.

### 8.1 Device overview

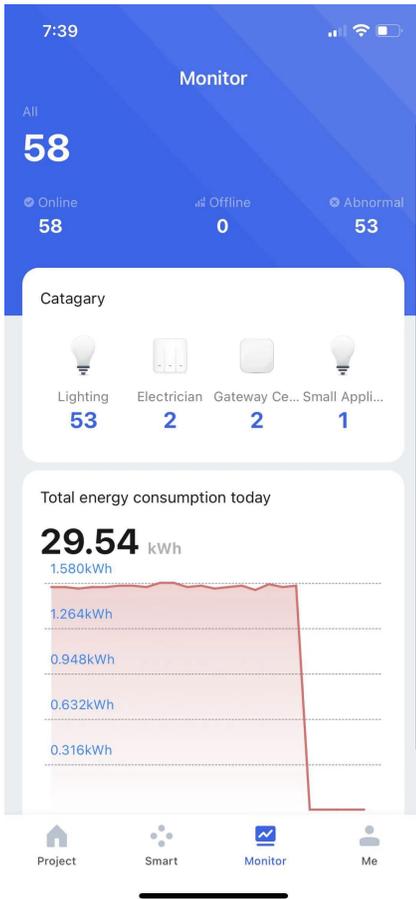
- **All:** indicates the total number of devices under the current project.
- **Online:** indicates the number of online devices under the current project.
- **Offline:** indicates the number of offline devices under the current project.
- **Abnormal:** indicates the number of devices that report exceptions under the current project. For example, circuit overloads can cause device exceptions. Only devices that can detect and report exceptions will be covered in the **Abnormal** statistic item when they experience exceptions.

### 8.2 Device category

The **Category** section on the **Monitor** page shows device categories under the current project.

### 8.3 Energy consumption

The energy consumption statistics show the energy consumption of the devices with the energy metering function under the current project. You can compare energy consumption statistics between multiple areas in yearly, monthly, or daily granularities.



*Note: The energy consumption statistics are based on the devices that support energy metering under the current project. If the current project does not include any devices that support the energy metering function, no data is displayed in the energy consumption section.*

## 9. View alarms and exceptions

On the **Me** page, tap **Alarm Profile** to view alarms or tap **Abnormal Profile** to view exceptions.

### 9.1 Alarm Profile

The **Alarm Profile** page show alarms reported by devices, for example, intrusion alarms. Alarms are triggered by the built-in alarm function of devices or custom events configured on the SaaS platform.

### 9.2 Abnormal Profile

The **Abnormal Profile** page shows exceptions reported by devices, including device disconnection and low batteries. Exceptions are triggered by the built-in exception report function of devices or custom events configured on the SaaS platform.

On the **Abnormal Profile** page, you can view all exceptions. To view details about an exception record, tap **View** under the exception record. To stop the same exception from being reported again, tap **Dismiss** on the **Details** window.

