

# Tuya Commercial Lighting SaaS User Manual

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# 1.Introduction

## 1.1 Purpose

This document provides Tuya customers with instructions on how to use the Tuya Commercial Lighting SaaS platform and the Light+Space app.

## 2.Register an account and log in to the SaaS platform

### 2.1 Register an account

The Tuya Commercial Lighting SaaS platform is unavailable for external use. If you need an account, contact the Tuya business manager to apply for an account.。

### 2.2 Log in to the SaaS platform

Visit <https://lighting.console.tuya.com>, select the corresponding country or region, and enter the username and password to log in to the Tuya Commercial Lighting SaaS platform.



Country/Region

+86 China

Account

Please enter your phone number or email

Password

Please enter the password

Login

[Forget password](#)

- If you forget your password, click **Forget password** in the bottom right corner to reset your password.
- You can click the language in the top right corner to switch to another language. Currently, the Tuya Commercial Lighting SaaS platform supports simplified Chinese, English, German, French, Japanese, and Spanish.

## 2.3 Manage a project

After you log in to the platform, the **Project Management** page appears. On this page, you can view information about all projects under your account, such as the total number of devices and the number of online and offline devices in your projects.

You can click a project to go to the project details page. You can also search for a project in fuzzy match mode.

Project Management Dashboard showing a list of projects with their status and metrics.

Filters: All(8) Offline(4) Exception(0)

Buttons: + Create Project, Fuzzy Search Project

Project Name	Total Devices	Online	Offline	Exception	Actions
杭州华策B1.VIP车库 东华门街道故宫博物院 16:26 PM	58	58	0	53	✎ 🗑
B1普通车库 浙江省杭州市西湖区 华策中心A座 16:26 PM	0	0	0	0	✎ 🗑
深圳测试组网 深圳市 芒果网大厦 16:26 PM	3	0	3	2	✎ 🗑
测试项目 浙江省杭州市西湖区 华策中心 16:26 PM	4	1	3	3	✎ 🗑

If you want to create a project, click **Create Project** and set the following parameters:

1. Project Name
2. Contact Information
3. Responsible Person
4. 1. Project Location: You can set the project location based on your location.

After you specify the project information, click **Complete**. The created project is then displayed on the **All** tab

**Tuya Commercial Lighting**

Project Management 2021-02-05 Friday Welcome to Commercial Lighting Management Platform

Member mng

All(8) Offline(4) Exception(0)

+ Create Project Fuzzy Search Project

**杭州华策B1.VIP车库**  
 东华门街道故宫博物院  
 16:28 PM  
 Total Devices: 58 Online: 58

**B1普通车库**  
 浙江省杭州市西湖区 华策中心A座  
 16:28 PM  
 Total Devices: 0 Online: 0

**深圳测试组网**  
 深圳市 芒果网大厦  
 16:28 PM  
 Total Devices: 3 Online: 0

**测试项目**  
 浙江省杭州市西湖区 华策中心  
 16:28 PM  
 Total Devices: 4 Online: 1

\* Project Name:

\* Responsible Person:

\* Contact Information:

\* Project Location: Please select address

Cancel Complete

## 2.4 Manage sub-accounts

Click **Member mng** in the left-side navigation pane. On the **Member mng** page, you can view, add, and delete sub-accounts and grant permissions to sub-accounts. You can also search for a sub-account in fuzzy match mode.

**Tuya Commercial Lighting** English hudn@tuya.com

Project Management

Member management

Member mng

Role:  Account:

+ Add

Name	Account	Created	Role	Operation
	86-18578314550	2021.01.28	Project Manager	<a href="#">Set</a> <a href="#">Delete</a>
	86-17749716995	2021.01.18	user	<a href="#">Set</a> <a href="#">Delete</a>
	86-18758232423	2020.12.23	user	<a href="#">Set</a> <a href="#">Delete</a>
	86-18767165522	2020.12.16	user	<a href="#">Set</a> <a href="#">Delete</a>
	56-993497073	2020.12.03	Project Manager	<a href="#">Set</a> <a href="#">Delete</a>
	86-18938719089	2020.12.01	Project Manager	<a href="#">Set</a> <a href="#">Delete</a>
	hui.sima@163.com	2020.11.11	Project Manager	<a href="#">Set</a> <a href="#">Delete</a>
	testlighting@9em.org	2020.11.04	Project Manager	<a href="#">Set</a> <a href="#">Delete</a>

To add a sub-account, click **Add** and set the following parameters:

- Country code
- Name
- Account
- Password

After you specify the sub-account information, click **Save**. Then the sub-account is added.

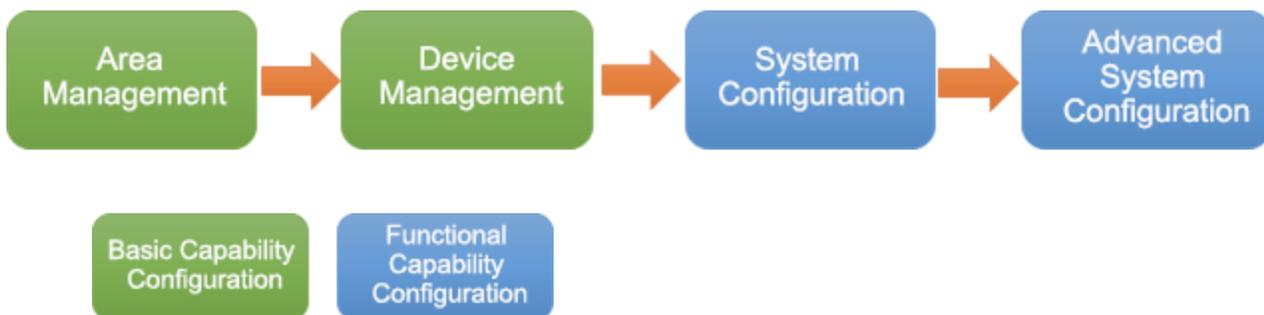
The screenshot shows the 'Member management' interface in the Tuya Commercial Lighting system. On the left, there is a sidebar with 'Project Management' and 'Member mng'. The main area displays a table of members with columns for Name, Account, Created, and Role. A '+ Add' button is visible above the table. On the right, an 'Add' modal form is open, containing fields for Country code (dropdown), Name (text), Account (text), Password (text with eye icon), and Password confirmation (text with eye icon). The form has 'Cancel' and 'Save' buttons at the bottom.

Name	Account	Created	Role
	86-18578314550	2021.01.28	Project M
	86-17749716995	2021.01.18	user
	86-18758232423	2020.12.23	user
	86-18767165522	2020.12.16	user
	56-993497073	2020.12.03	Project M
	86-18938719089	2020.12.01	Project M
	hui.sima@163.com	2020.11.11	Project M
	testlighting@9em.org	2020.11.04	Project M

## 3. Configure a project

### 3.1 Procedure

To configure a project, you need to configure basic capabilities and functional capabilities for the project.

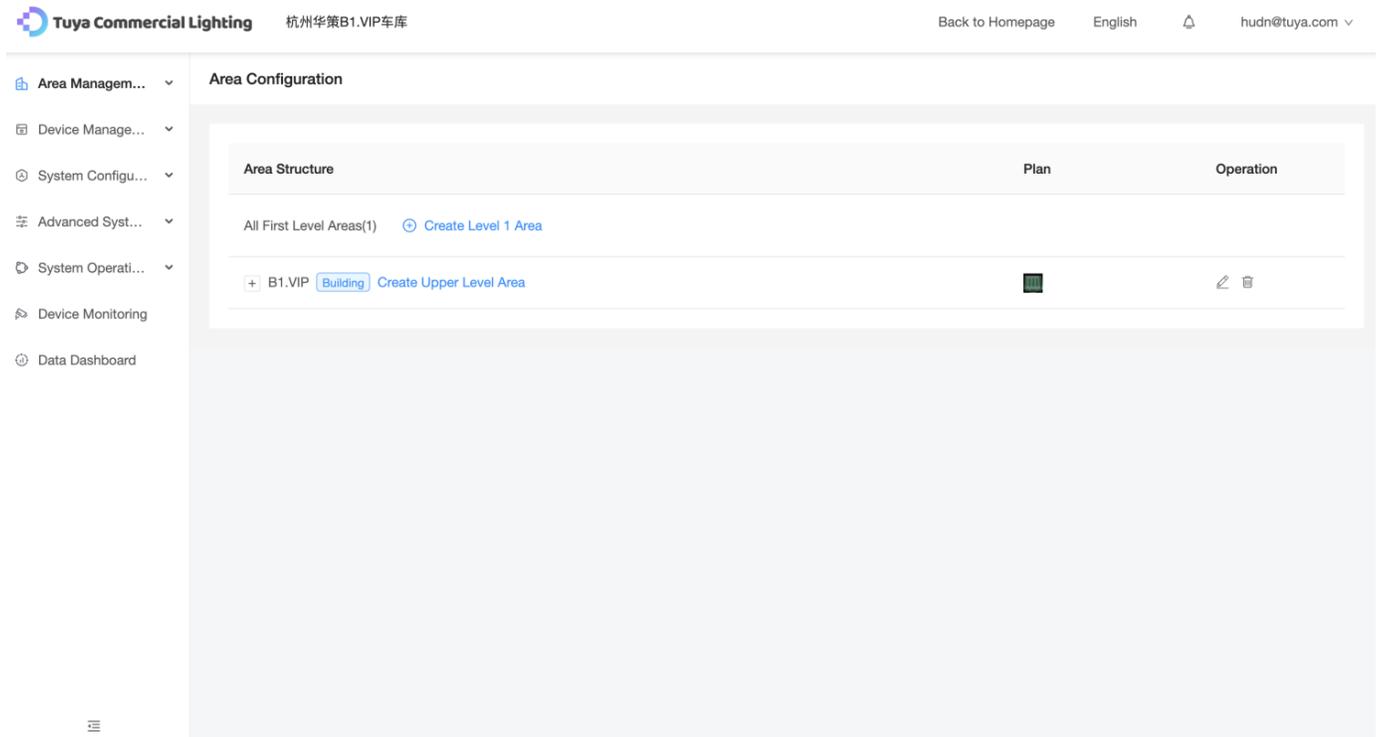


### 3.2 Configure basic capabilities — Area Management

The **Area Management** module consists of two functions, **Area Configuration** and **Area Usage**. To quickly configure a project, you need to comply with the following procedure.

### 3.2.1 Area Configuration

Go to **Area Management > Area Configuration**. In the Area Structure section, you can create areas at four levels based on the actual architectural situation.



You can click an upper-level area to view the lower-level areas under this area. You can also modify or delete the created area structure.

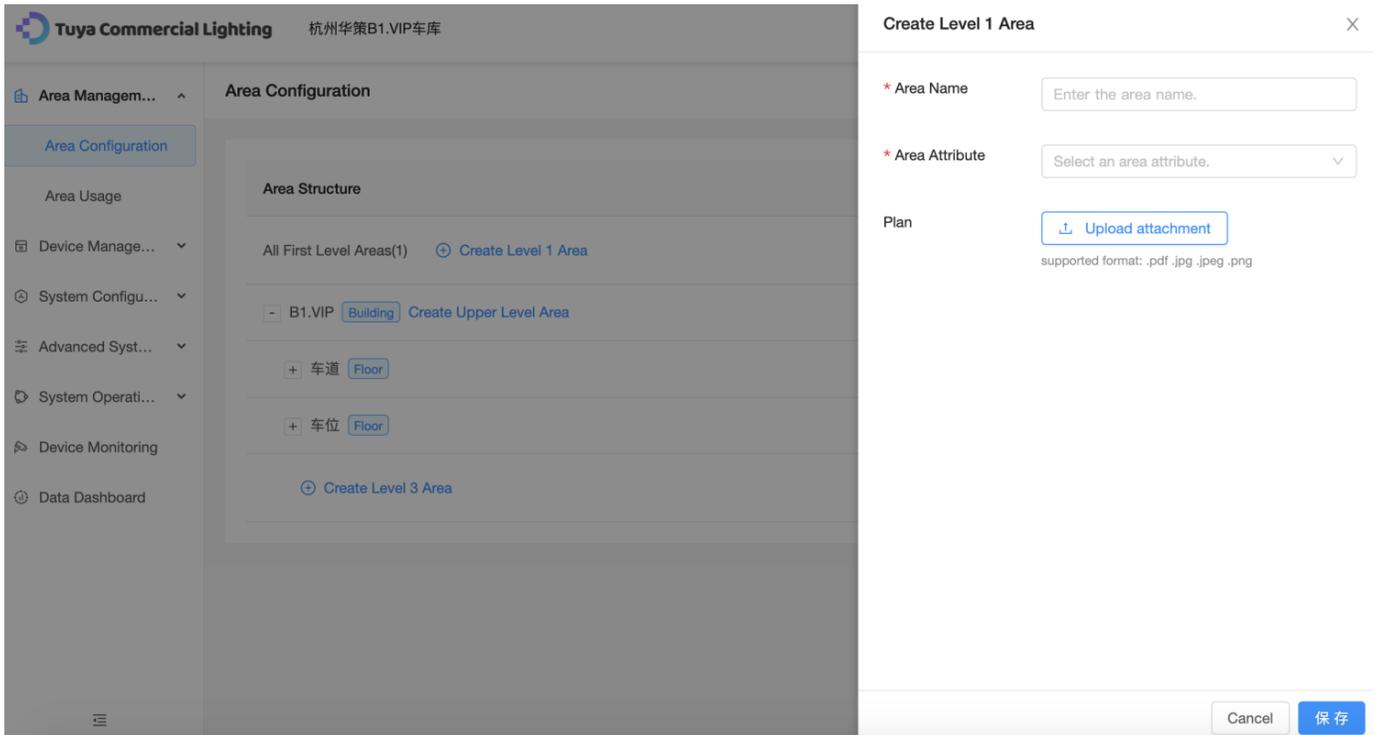
Area Structure	Plan	Operation
All First Level Areas(1) <a href="#">Create Level 1 Area</a>		
- B1.VIP <a href="#">Building</a> <a href="#">Create Upper Level Area</a>		<a href="#">Edit</a> <a href="#">Delete</a>
+ 车道 <a href="#">Floor</a>		<a href="#">Edit</a> <a href="#">Delete</a>
+ 车位 <a href="#">Floor</a>		<a href="#">Edit</a> <a href="#">Delete</a>
<a href="#">Create Level 3 Area</a>		

If you want to create a level-1 area, click **Create Level 1 Area** and set the following parameters:

- Area Name.
- Area Attribute. Valid values: Park, Building, Floor, and Room.
- (Optional) Plan.

Then click **Save**.

*Note: Configurations related to the **Area Usage** function depend on the architectural drawing you upload. Therefore, obtain a complete architectural drawing and import it to the project before project implementation.*



### 3.2.2 Area Usage (Advanced edition)

*Note: This function is only provided in the SaaS platform of the advanced edition or higher.*

Go to **Area Management > Area Usage**. If you have uploaded the architectural drawing, you can select an area from the area structure to view the architectural drawing and configured area usage of this area. You can click the configured area usage on the drawing to view and modify the usage, and delete parameters.

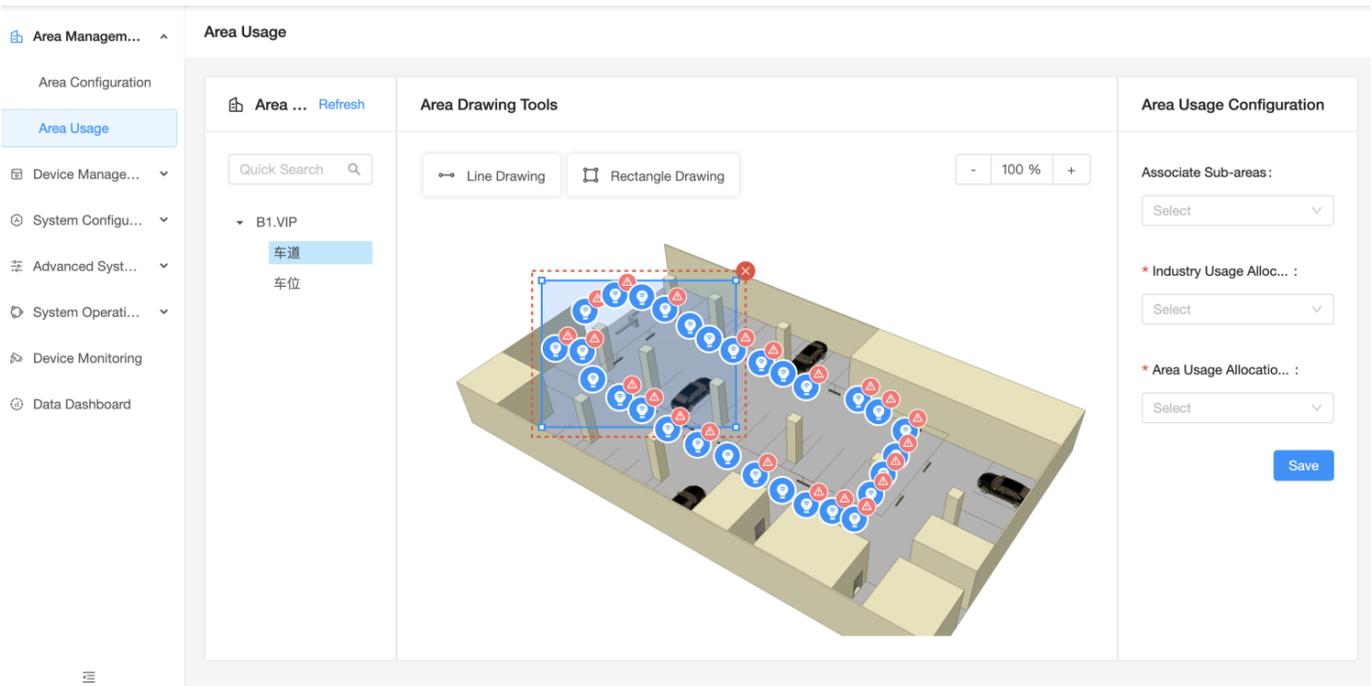
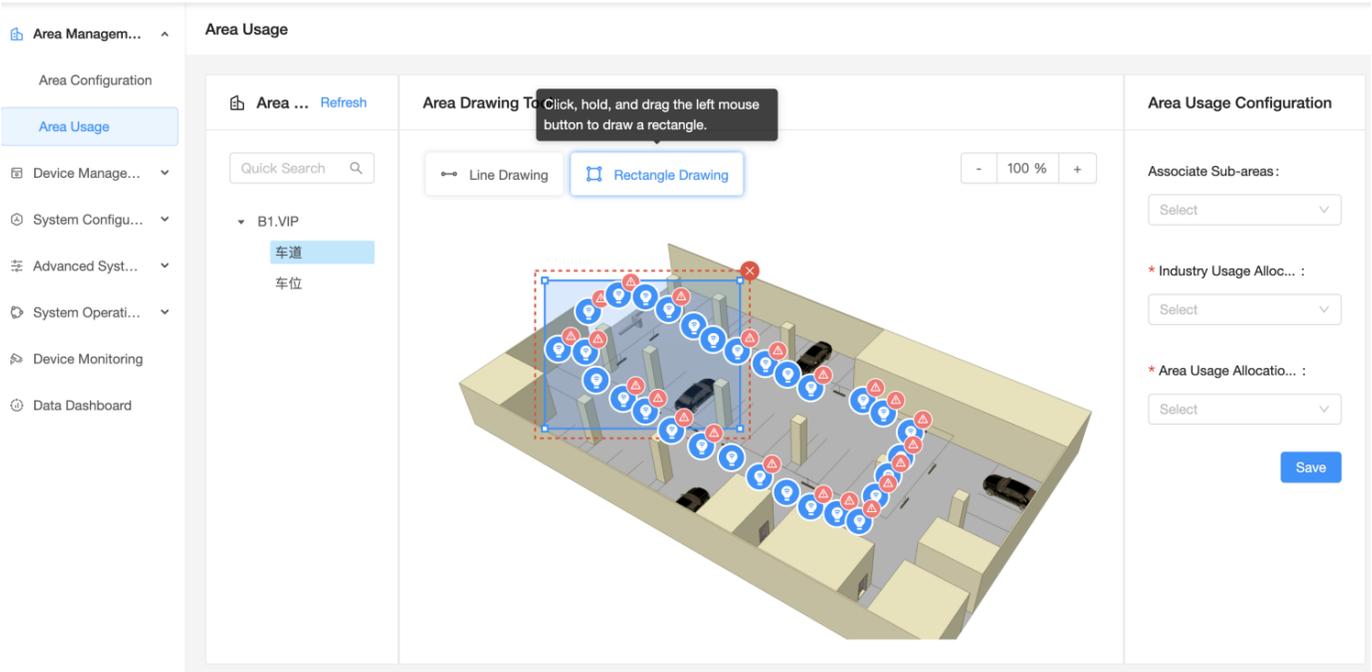
The screenshot displays the 'Area Usage' configuration interface. On the left, the 'Area Configuration' sidebar shows a tree structure under 'B1.VIP' with '车道' (Lane) selected. The main workspace is split into three panes. The 'Area Drawing Tools' pane shows a 3D model of a parking garage with a blue dashed rectangle highlighting a specific area. Above the model are buttons for 'Line Drawing' and 'Rectangle Drawing', and a zoom control set to 100%. The 'Area Usage Configuration' pane on the right contains three dropdown menus for 'Associate Sub-areas', '\* Industry Usage Alloc...', and '\* Area Usage Allocatio...', along with a 'Save' button.

For areas whose attribute is **Park**, **Building**, or **Floor**, you can click **Line Drawing** or **Rectangle Drawing** in the **Area Drawing Tools** pane to configure the area usage. You must draw a closed loop that does not overlap with the existing one and set the following parameters in the **Area Usage Configuration** pane:

- **Associate Sub-areas.**
- **Industry Usage Allocation.** This parameter is unavailable for areas whose attribute is Park or Building.
- **Area Usage Allocation.** This parameter is unavailable for areas whose attribute is Park or Building.

Then click **Save**.

*Note: In the drawing, a closed-loop indicates a commonly used area.*



## 3.3 Configure basic capabilities — Device Management

The Device Management module consists of five functions, namely, Installation Management, Installation Records, Device Allocation, Device Usage, and Device OTA.

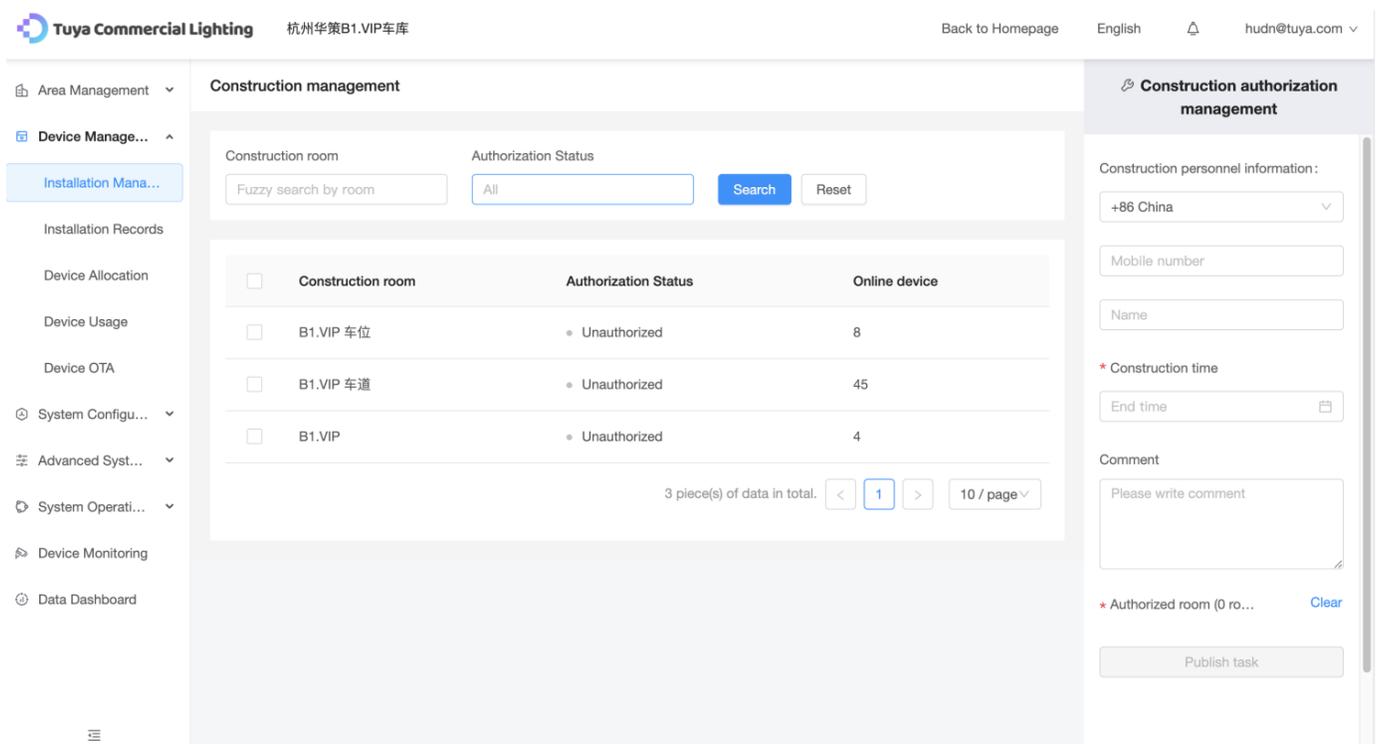
### 3.3.1 Installation Management

Go to **Device Management > Installation Management**. In the **Construction authorization management** pane, specify installation-related information. For example, assign the installation area and set installation time. Authorized installation personnel can log in to the Tuya Commercial Lighting SaaS platform or the Light+Space app to implement installation in the specified installation area.

You need to specify the following installation-related information:

- Information about installation personnel, including the region, mobile phone number, and name
- Installation end time
- Comment
- Authorized rooms, which need to be selected in the pane on the left

Then click **Publish task**.



After receiving installation tasks, installation personnel need to add devices on-site by using the Light+Space app. The following sections describe how to add devices by using the Light+Space app.

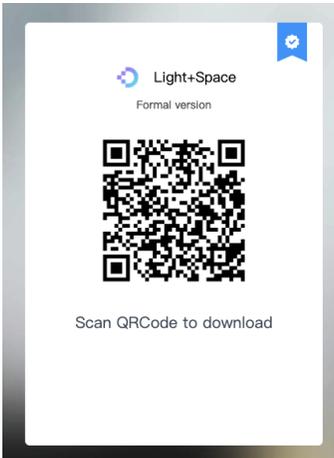
### 3.3.1.1 Install and log in to the Light+Space app

Installation personnel can log in to the Light+Space app by using the assigned account to add devices and assign devices to corresponding areas. To install the app, perform one of the following operations:

- 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:

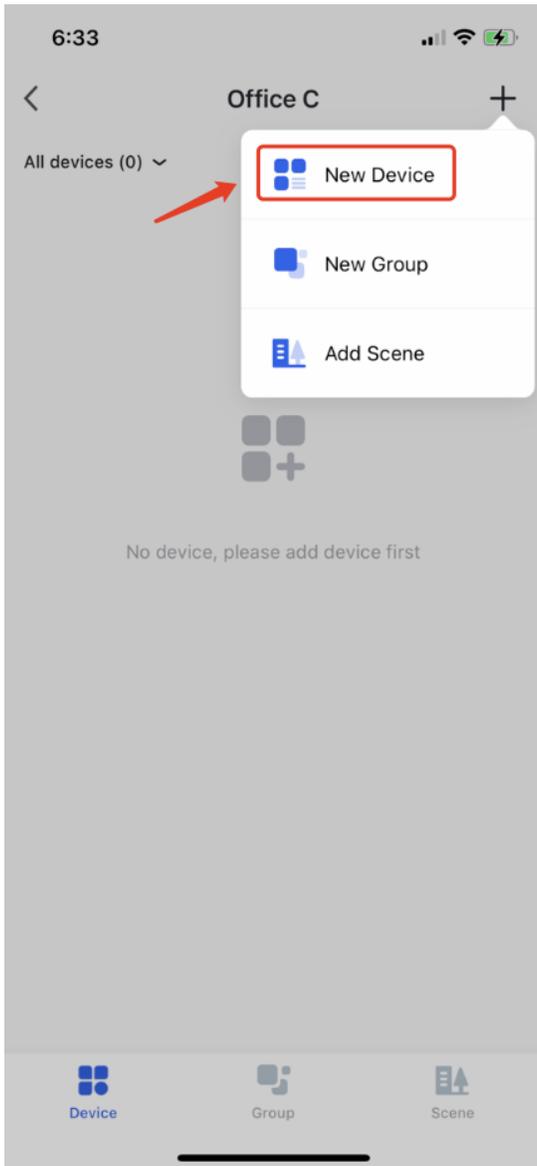
<https://smartapp.tuya.com/lightingcom>

- Search for the Light+Space app in the app store to download and install the app.



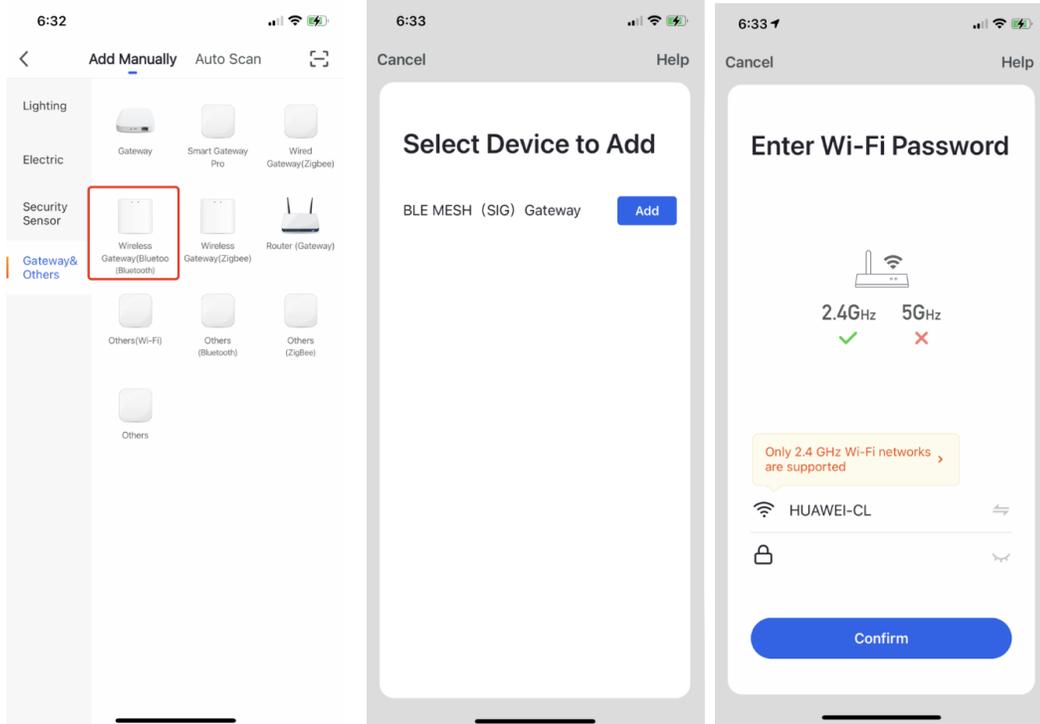
### 3.3.1.2 Add a device

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.

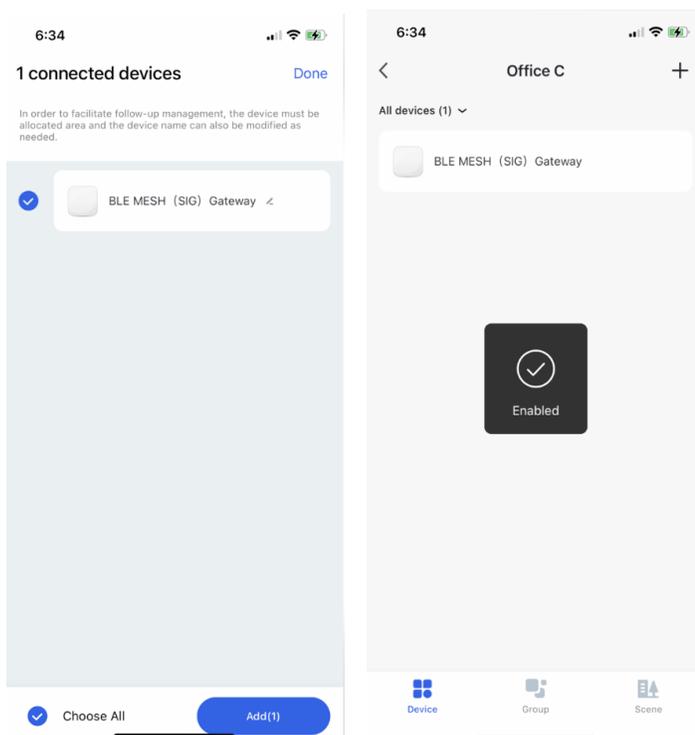


#### · Add a Bluetooth gateway

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**.

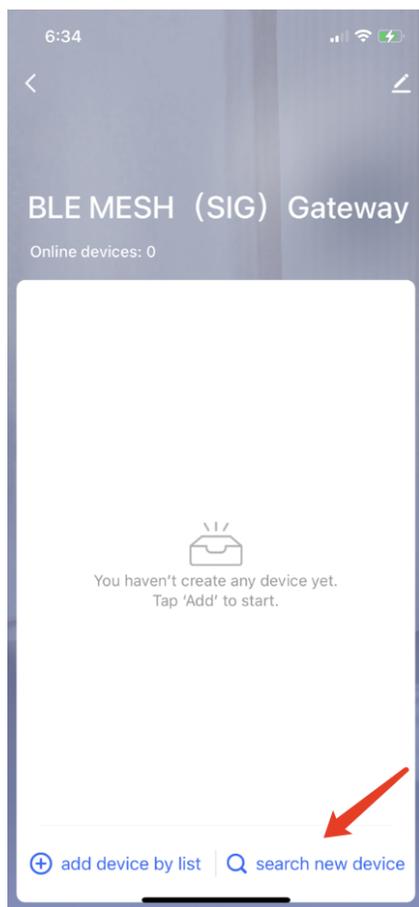


After the Bluetooth gateway is connected to the Wi-Fi network, select the Bluetooth gateway and tap **Add** to add the Bluetooth gateway to the current area. You can also transfer the Bluetooth gateway to another area in the **Device Location** dialog box.



- 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.
3. After the device is added, you can assign the device to a specified area.
4. If you tap **Done** in the top right corner without selecting an area, the device is added to the **No area assigned** page.



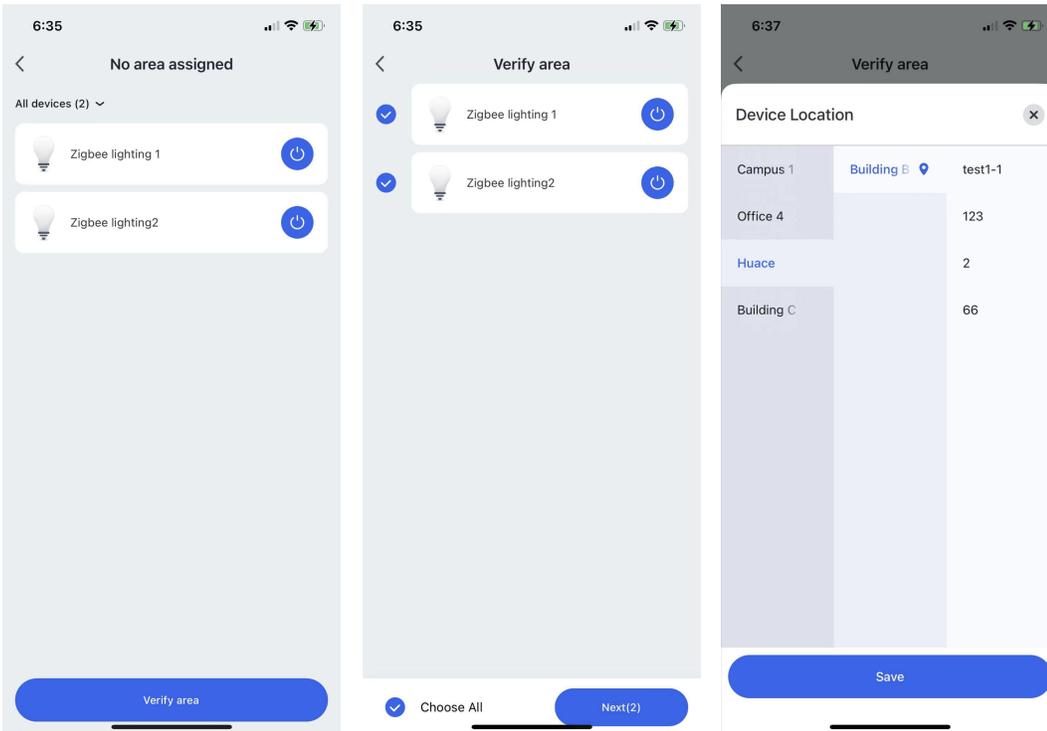
### 3.3.1.3 Assign devices

- **Assign devices on the No area assigned page to corresponding areas**

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:

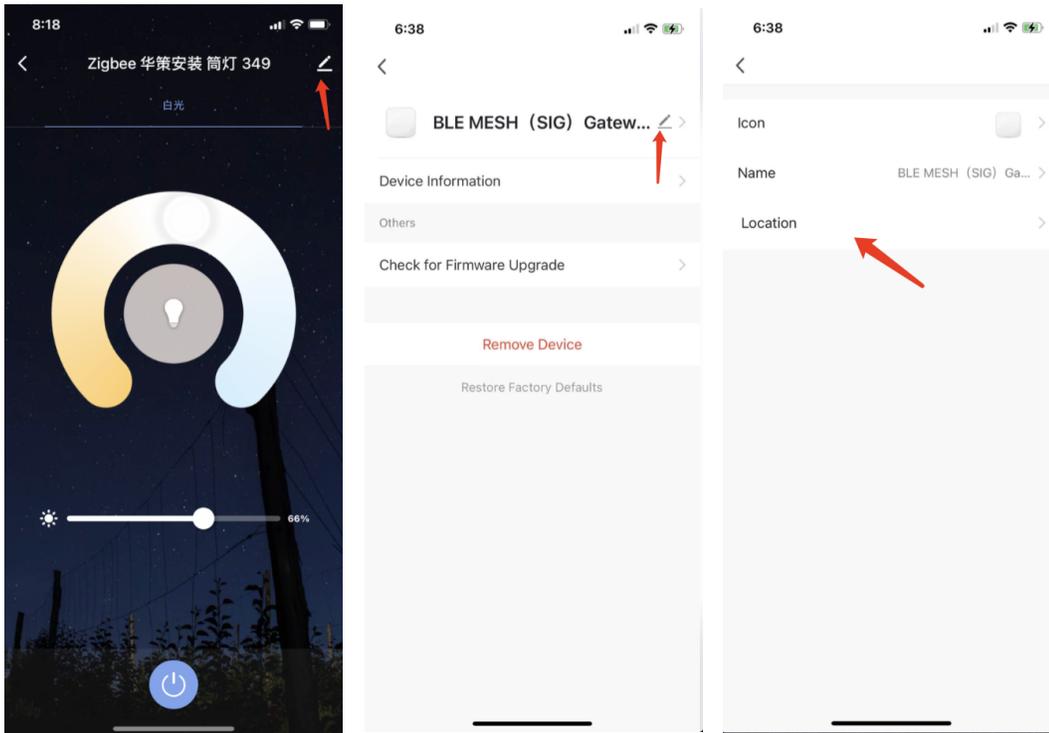
1. On the **No area assigned** page, select a device category and tap **Verify area**.
2. Select devices and tap **Next**.
3. Select the target area and Tap **Save**. Then the selected devices are assigned to the target area.



*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.*

• **Transfer a device from an area to another area**

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.

### 3.3.2 Installation Records

Go to **Device Management > Installation Records** to view the installation details in each area. You can also search for installation records in fuzzy match mode. In the **Operate** column, you can click **Detail** to view the authorization details or click **Cancel** to revoke the granted permissions.

The screenshot shows the 'Construction record' page in the Tuya Commercial Lighting management system. The interface includes a sidebar on the left with navigation options such as 'Area Management', 'Device Management', 'Installation Mana...', 'Installation Records' (highlighted), 'Device Allocation', 'Device Usage', 'Device OTA', 'System Configu...', 'Advanced Syst...', 'System Operati...', 'Device Monitoring', and 'Data Dashboard'. The main content area features a search section with filters for 'Construction workers' (with a 'Fuzzy search with a housi...' input) and 'Construction time' (with 'Start time' and 'End time' fields). Below the search filters is a table with the following columns: 'Construction workers', 'Mobile number', 'Construction room', 'Construction authorize time', 'Authorization Status', and 'Operate'. The table currently displays 'No data'.

### 3.3.3 Device Allocation

Go to **Device Management > Device Allocation**. On the **Device Allocation** page, you can select an area structure to view the device allocation in the current area and assign devices to the current area. You can click **Unfold Device List** and drag the unassigned devices to the architectural drawing in the current area structure.

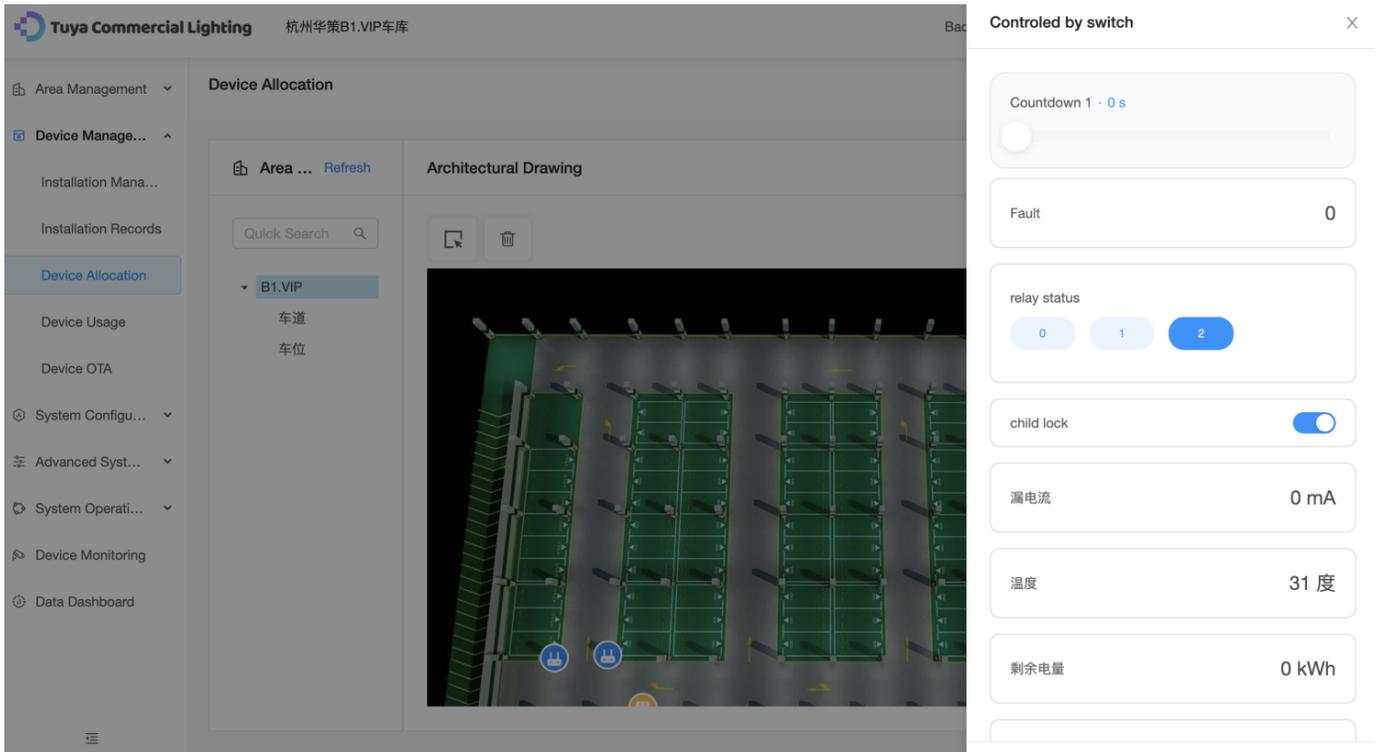
The screenshot displays the 'Device Allocation' interface for the 'B1.VIP' area. The interface is divided into three main sections:

- Left Sidebar:** A navigation menu with options: Area Management, Device Management, Installation Management, Installation Records, Device Allocation (highlighted), Device Usage, Device OTA, System Configuration, Advanced System, System Operation, Device Monitoring, and Data Dashboard.
- Top Section:** 'Device Allocation' title with a 'Save' button and a 'Refresh' button next to the area name 'Area ...'. A 'Fold Device List >' link is also present.
- Central Section:** 'Architectural Drawing' showing a top-down view of a parking garage layout with green device icons. A 'Quick Search' box is on the left, and a zoom control (100%) is on the right. A search box 'Search by Keyw...' is on the right side of the drawing.
- Right Panel:** 'B1.VIP (0)' title with a search box and the text 'No data'.

You can click the device icon on the architectural drawing to quickly control the device and view the device information.

The blue icon indicates that the device is online. The black icon indicates that the device is offline. The yellow icon indicates that the device is selected.

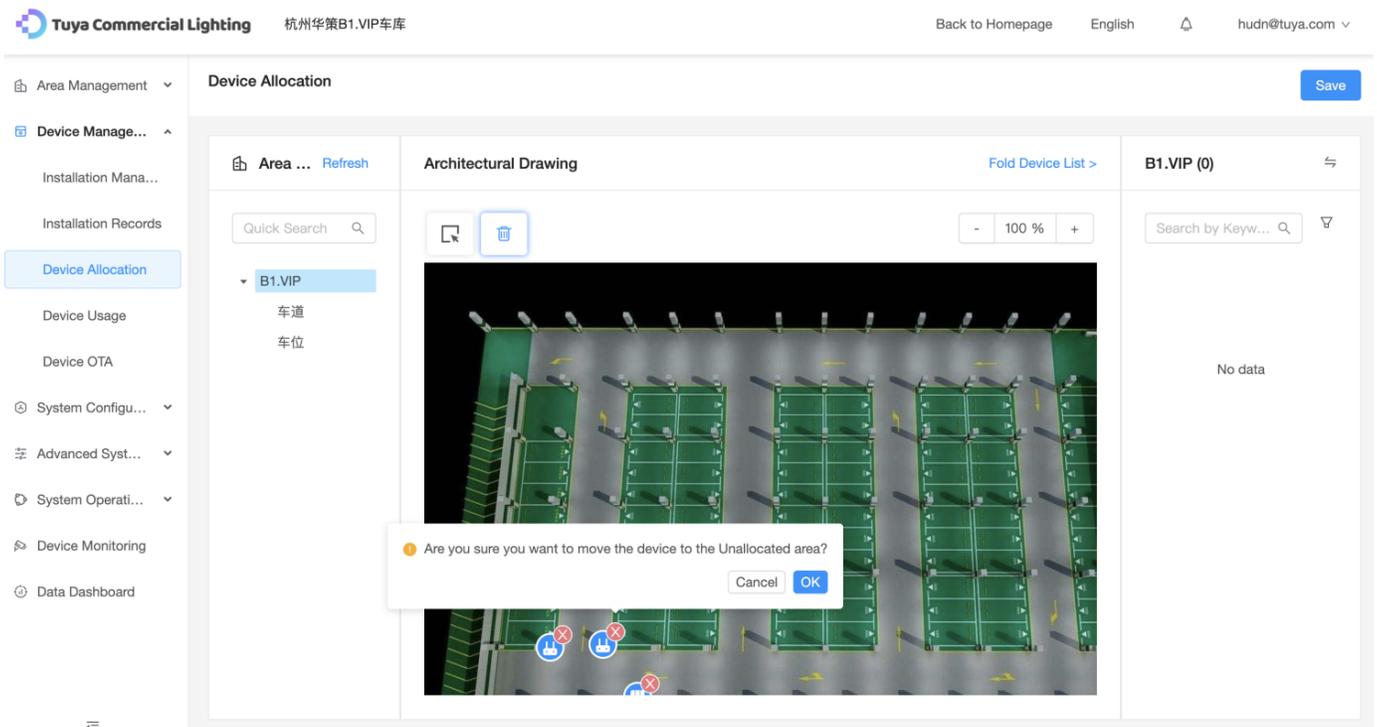
You can click the drag-and-drop icon in the top left corner to simultaneously select and move multiple devices on the architectural drawing.



You can also click the delete icon in the top left corner to delete devices from the drawing.

The deleted devices are then moved to the **Unallocated** area.

The preceding operations take effect after you click **Save** in the top right corner.



### 3.3.4 Device Usage (advanced edition)

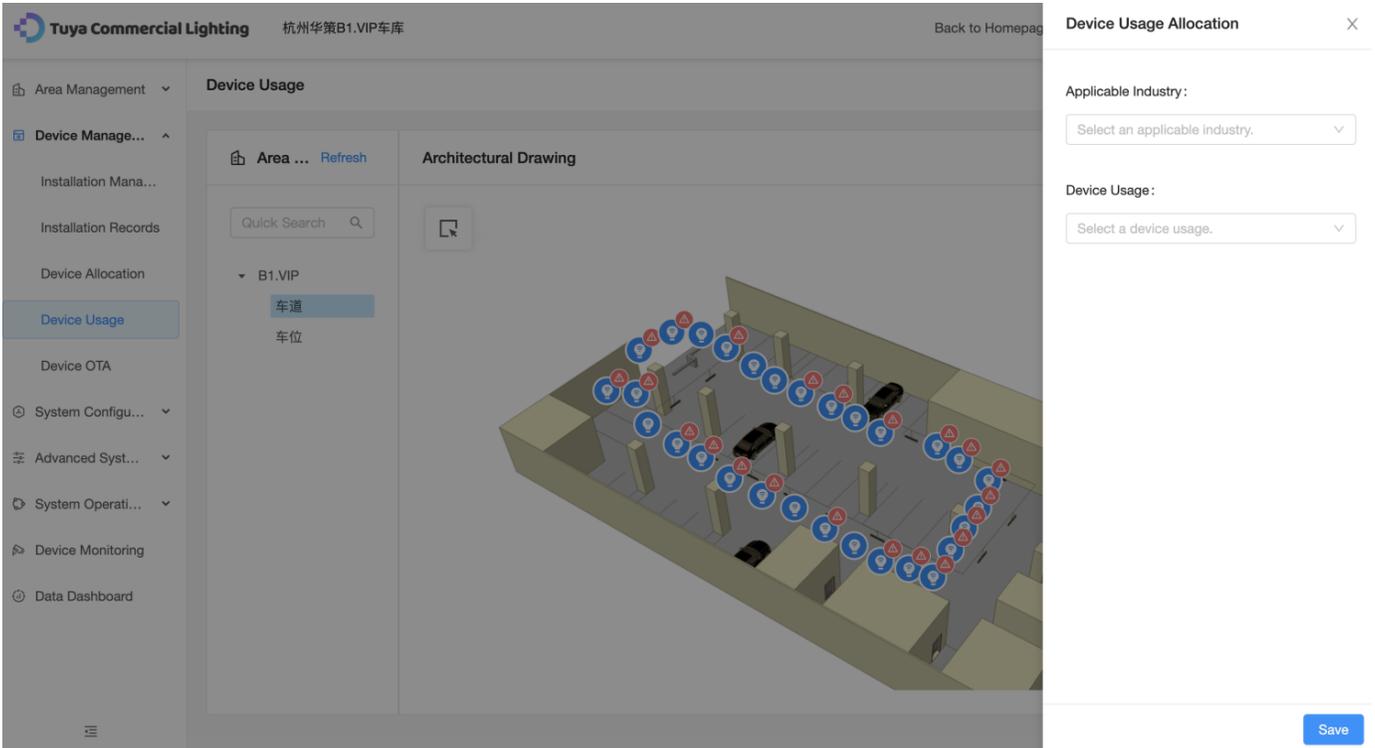
*Note: This function is only provided in the SaaS platform of the advanced edition or higher.*

Go to **Device Management > Device Usage**. On the **Device Usage** page, you can select an area structure to view and configure the device usage in the current area. After you click a device icon, the **Device Usage Allocation** dialog box appears. You must set the following parameters in this dialog box:

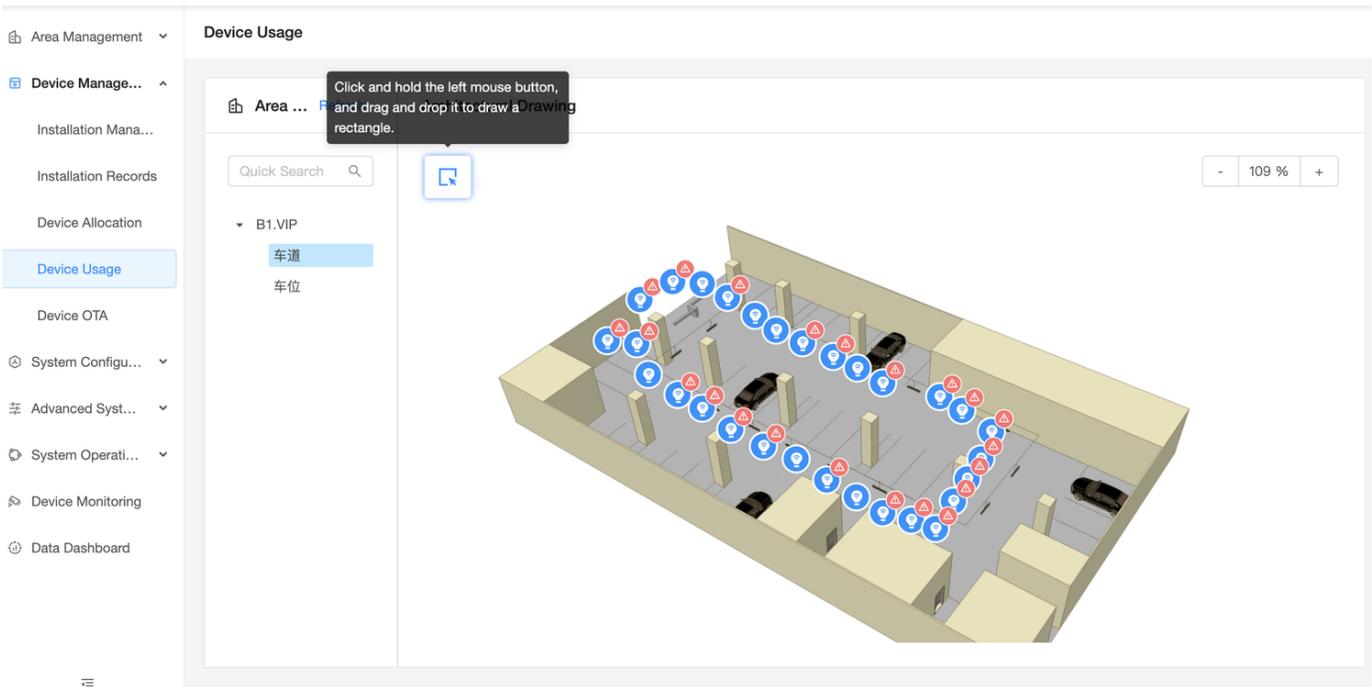
- Applicable Industry
- Device Usage

Then click **Save**.

You can click the category switch icon in the top left corner to switch between the displayed devices on the drawing.



You can also click the drag-and-drop icon in the top left corner to select multiple devices on the drawing and simultaneously define their usage.



### 3.3.5 Device OTA

Go to **Device Management** > **Device OTA**. On the **Device OTA** page, you can select an area structure to view information about the OTA upgrade on devices.

#### To Be Upgraded

This tab displays devices to be upgraded in the current area. You can filter devices based on the device category and status. You can also select multiple devices and simultaneously upgrade them.

*Note: The SaaS platform does not support the upgrade for Bluetooth devices. Bluetooth devices must be connected to the Bluetooth of your mobile phone for a peer-to-peer upgrade.*

You can click **Detail** in the **Operation** column of a device to view the upgrade information of the device.

Area Management

**Device Manage...**

Installation Mana...

Installation Records

Device Allocation

Device Usage

**Device OTA**

System Configu...

Advanced Syst...

System Operati...

Device Monitoring

Data Dashboard

**Device OTA**

Area ... Refresh

Quick Search

B1.VIP

To Be Upgraded(0)    Upgrading(0)    Upgraded

Select a device type.    Select a device status.    Search    Batch Upgrade(0)

<input type="checkbox"/>	ID	Address	Device type	Device Protocol	Device name	Upgrade Version	Device Status	Operation
 No data								

## Upgrading

On this tab, you can view the upgrade progress and statuses of devices. A device can be in one of the following states:

- To be upgraded
- Upgrading
- Upgraded
- Failed

If a device fails to be upgraded, you can delete it and then upgrade it again.

Device OTA

Area ... Refresh

Quick Search

Select a device type. Select a device status. Search Batch Upgrade(0)

ID	Address	Device type	Device Protocol	Device name	Upgrade Version	Device Status	Operation
1	演示箱_Displ...	Others	WIFI,zigbee	无线智能 Zigbee网关	V1.3.10	Offline	Detail

1 piece(s) of data in total. < 1 >

## Upgraded

On this tab, you can view the upgraded devices.

## 3.4 Configure functional capabilities — System Configuration

The **System Configuration** module consists of five functions, which are **Group Configuration**, **Scenario Configuration**, **Scene Template**, **Schedule Setting**, and **Automation Setting**.

### 3.4.1 Group Configuration

Go to **System Configuration > Group Configuration**. You can select an area structure to view and configure the groups in the current area.

After you click a group, only devices included in this group and their current statuses are displayed in the area structure.

Click **Create Group** on the right side of the page to create a group. You can create a group in one of the following methods:

- 1、Enter a group name, select one or more device icons as needed in the Architectural Drawing pane, and click Save to send the group creation command. You can click Cancel to terminate the sending process. Offline devices cannot be added to the group.

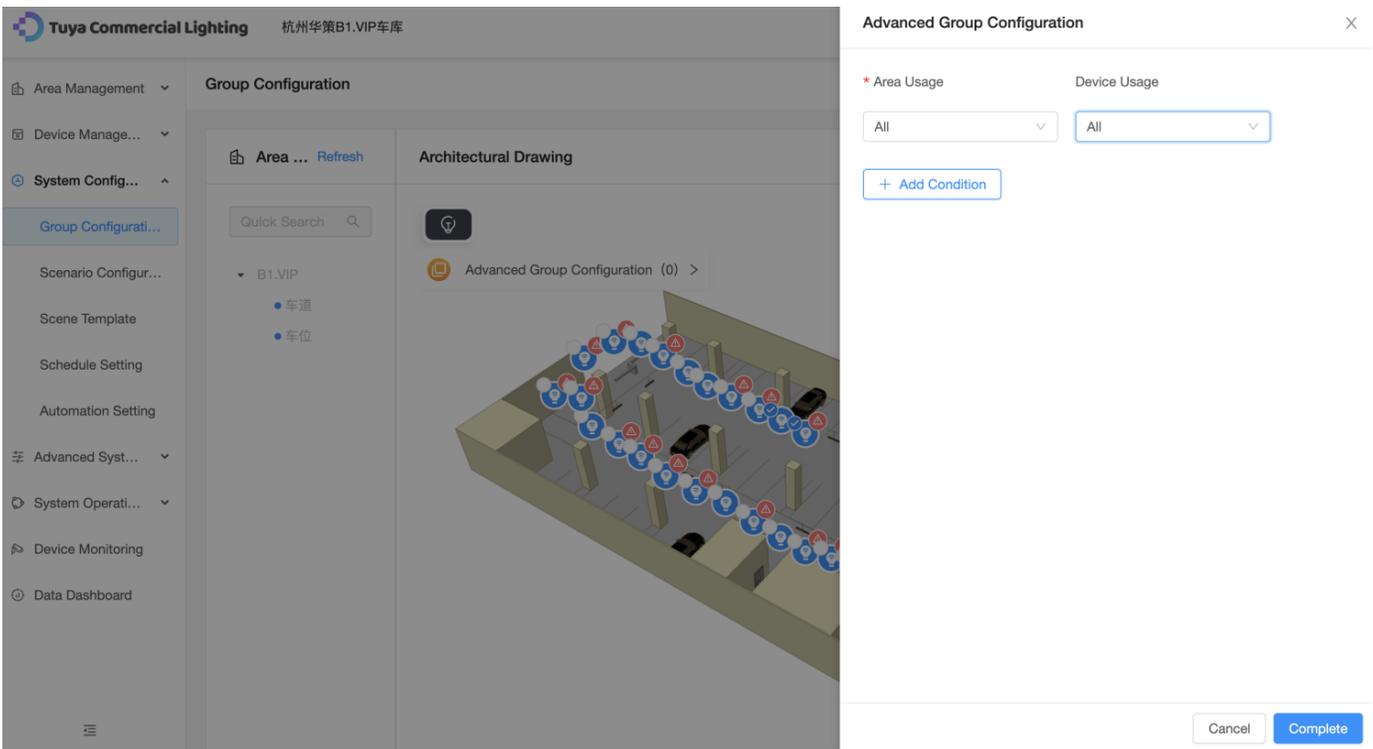
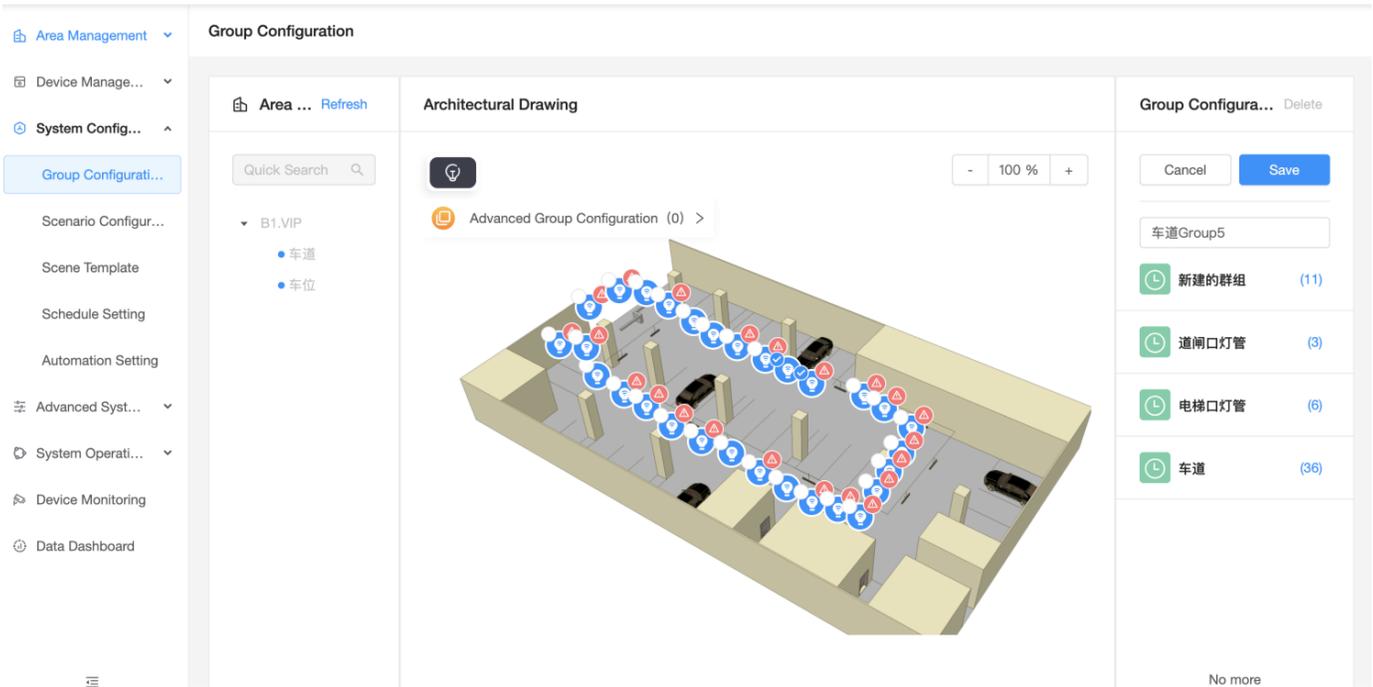
The screenshot displays the 'Group Configuration' interface for a parking garage. The main view is an 'Architectural Drawing' showing a 3D perspective of the garage with numerous lighting fixtures marked with blue and red icons. The left sidebar lists navigation options, with 'Group Configuration' selected. The right sidebar shows a list of groups with their names and counts, including '新建的群组 (11)', '道闸口灯管 (3)', '电梯口灯管 (6)', and '车道 (36)'. A 'Create Group' button is visible at the top of the right sidebar.

Enter a group name and click **Advanced Group Configuration**. In the **Advanced Group Configuration** dialog box, set the following parameters:

- Area Usage
- Device Usage

You can click **Add Condition** to add a group condition. After configuration, click **Complete**. Then, devices that meet the conditions are added to the group.

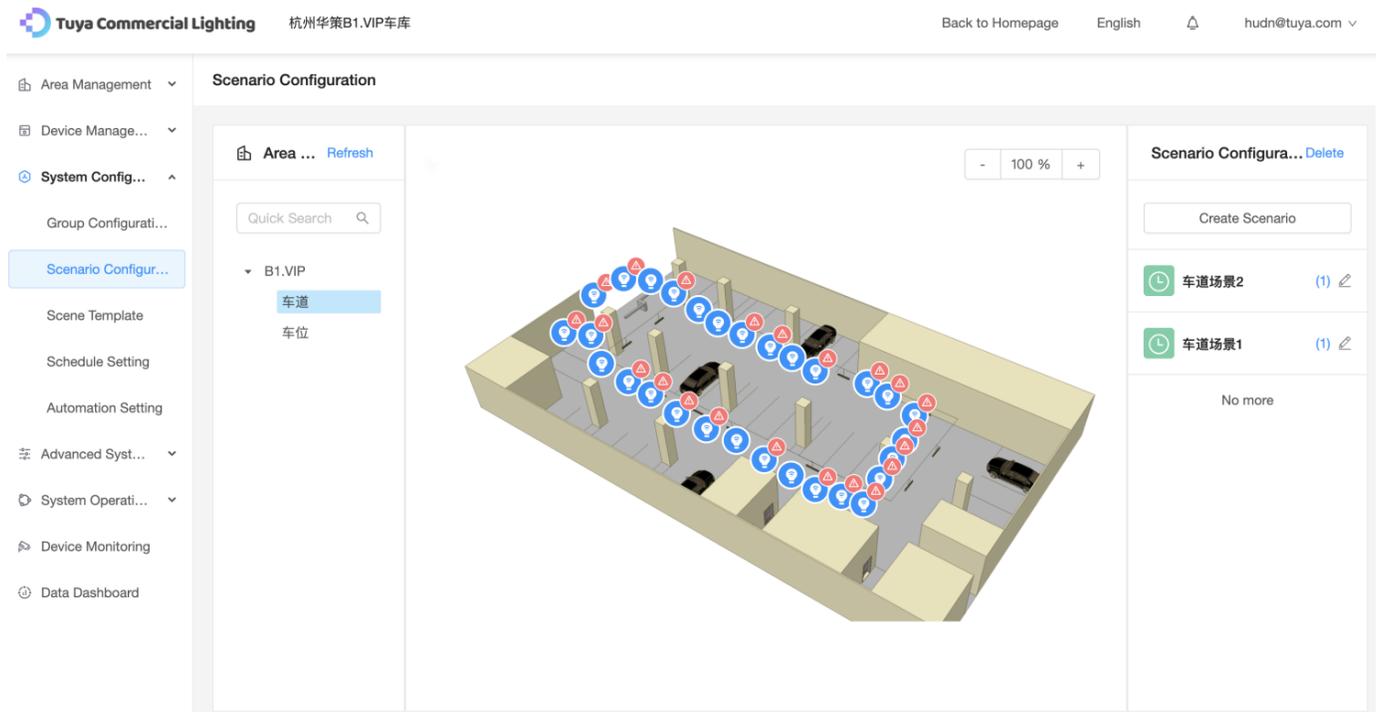
*Note: The **Advanced Group Configuration** function is only provided in the SaaS platform of the advanced edition or higher.*



### 3.4.2 Scenario Configuration

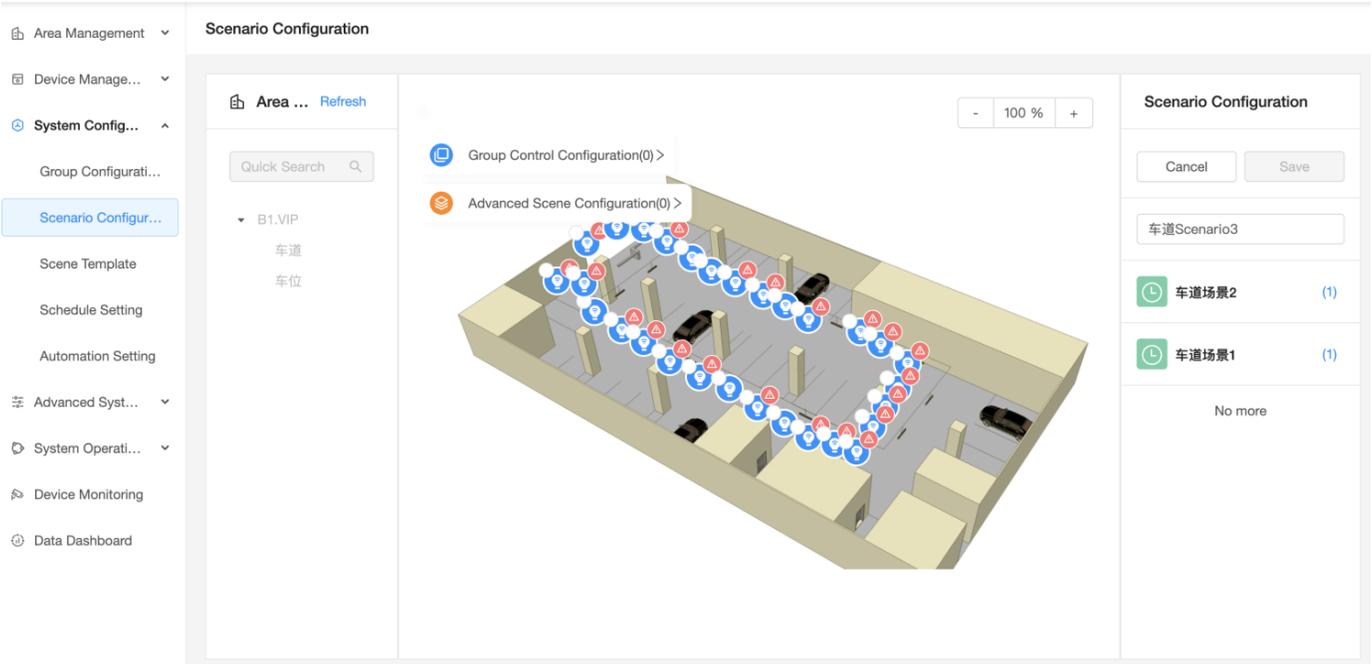
Go to **System Configuration > Scenario Configuration**. You can select an area structure to view and configure the scenarios in the current area. After you click a scenario, only devices included in this scenario are displayed in the area structure. You can click the edit icon next to

a scene to change the scene name and number of devices included in this scene and modify device-related parameters. Your modifications take effect after you click **Save**.



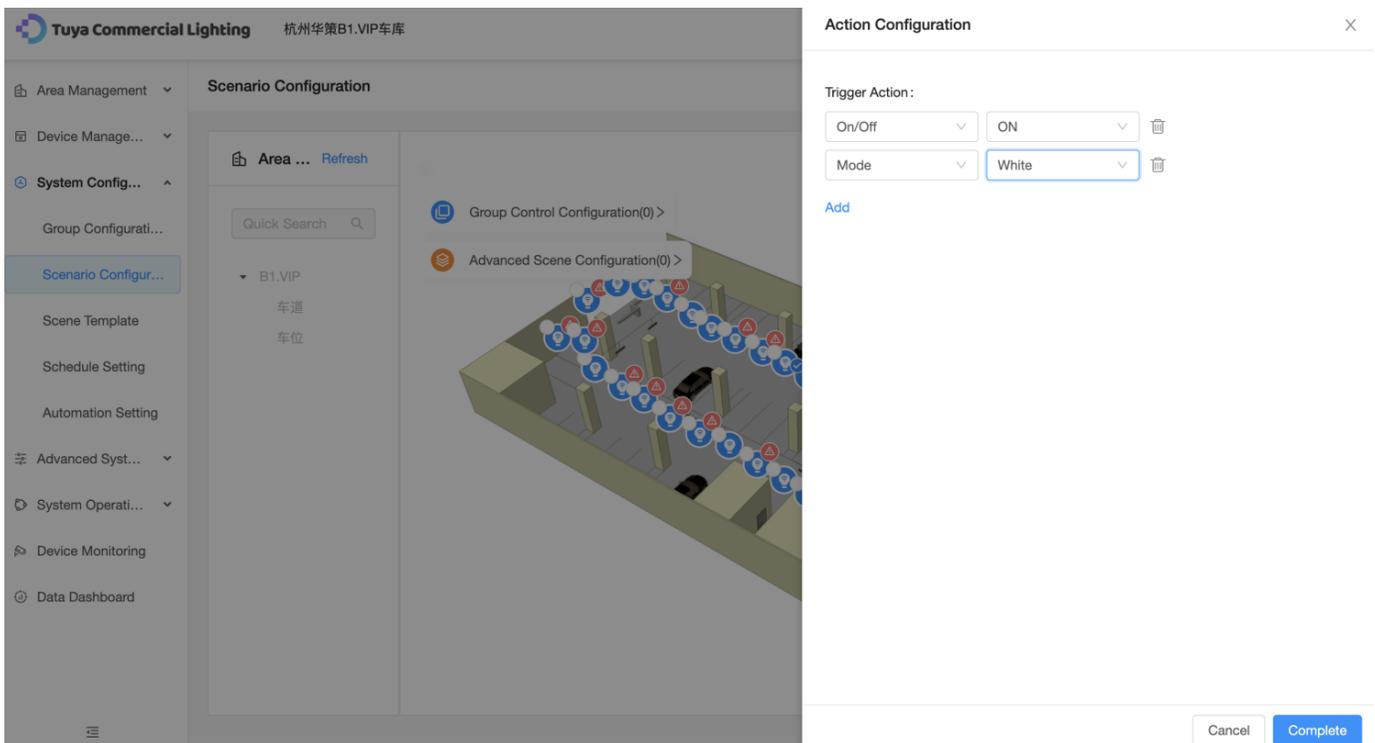
If you want to create a scenario, click **Create Scenario** on the right side of the page and perform the following operations:

1. Enter the scenario name.
2. Select the devices to be controlled. The modes of selecting devices include selecting devices manually on the architectural drawing, clicking **Group Control Configuration**, or clicking **Advanced Scene Configuration**. You can use one or more of the modes.
3. Click **Save** in the top right corner of the page to save your configuration. Then the scenario is displayed in the **Scenario Configuration** pane.



Description of the three device selection modes:

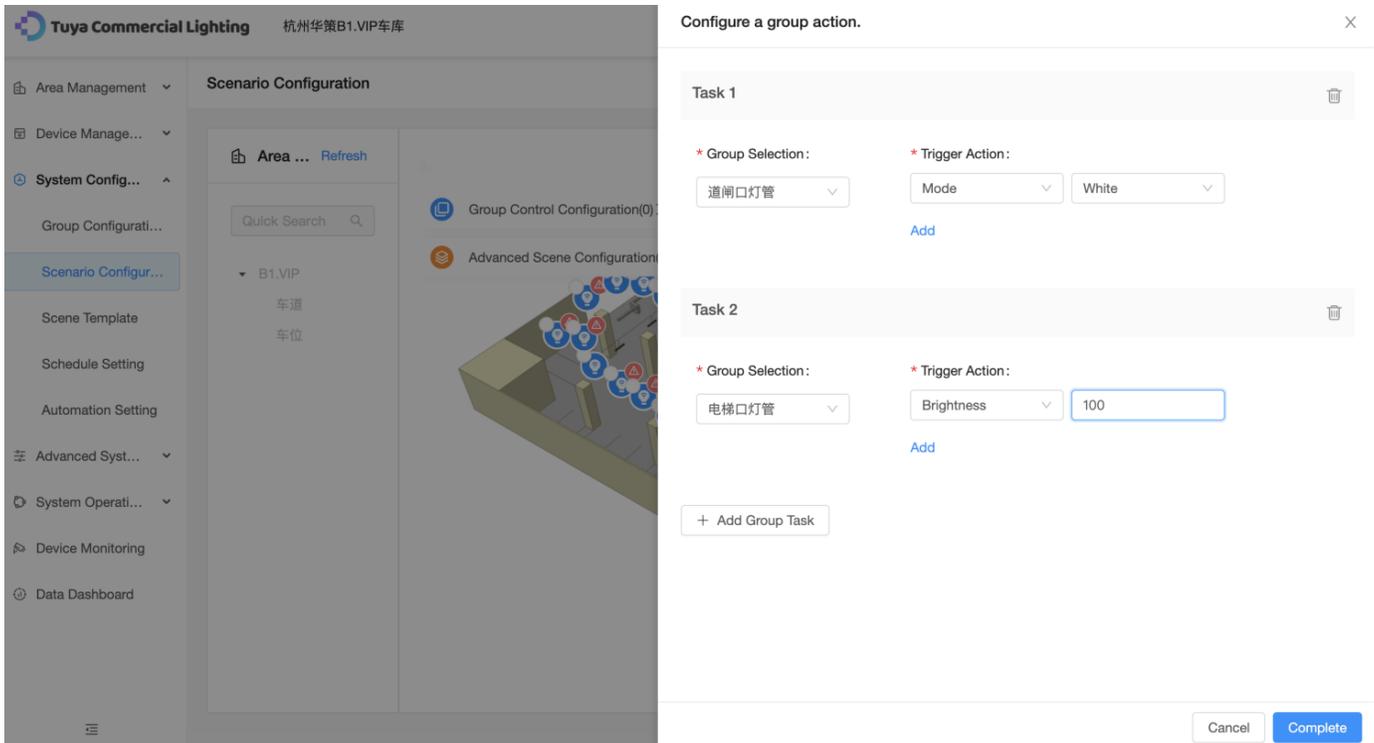
- 1、 If you manually select devices, select the device icons on the architectural drawing. In the **Action Configuration** dialog box, set the trigger actions for the devices and click **Complete**. Then click **Save** in the **Scenario Configuration** pane.



- 2、 If you click **Group Control Configuration**, set the following parameters in the **Configure a group action** dialog box:

- **Group Selection:** Select a group from the drop-down list. You can add multiple groups by clicking the **Add Group Task** button.
- **Trigger Action:** Select a trigger action from the drop-down list. You can add multiple conditions for one group by clicking **Add**.

After configuration, click **Complete**. Then click **Save** in the **Scenario Configuration** pane.



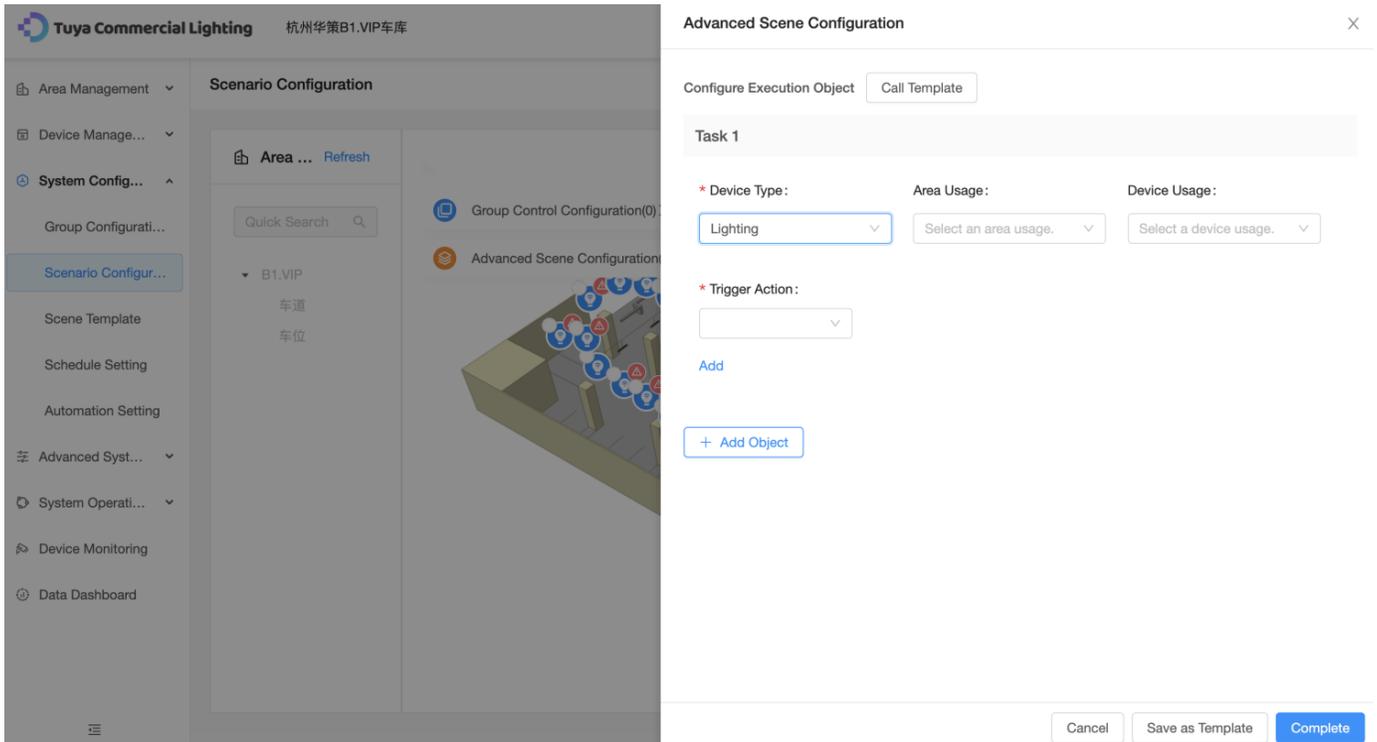
3、 If you click **Advanced Scene Configuration**, you can manually configure settings or use templates for configuration in the **Advanced Scene Configuration** dialog box.

*Note: The **Advanced Scene Configuration** function is only provided in the SaaS platform of the advanced edition or higher.*

#### Manual configuration:

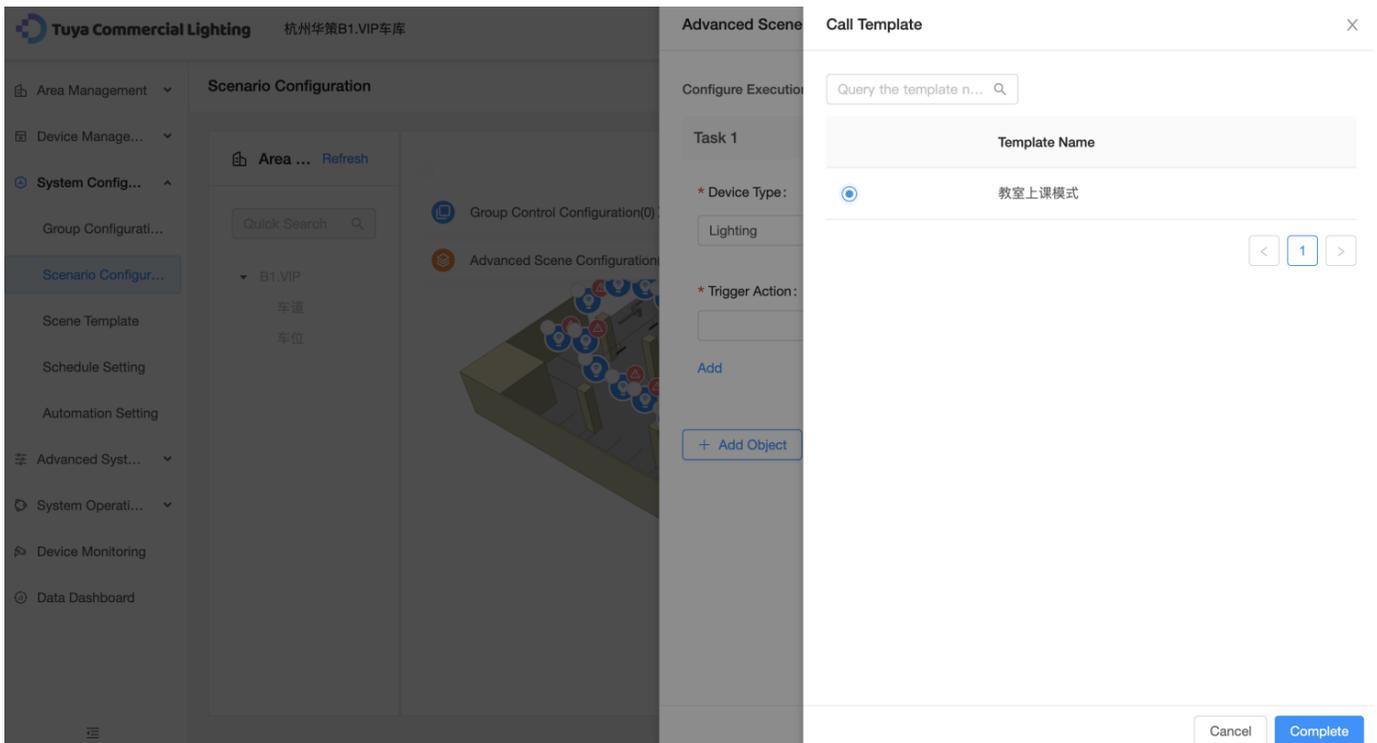
1. Select the device type, area usage, and device usage.
2. Select a trigger action. You can click **Add** to add multiple trigger actions.
3. After configuration, click **Complete**. Then click **Save** in the **Scenario Configuration** pane.

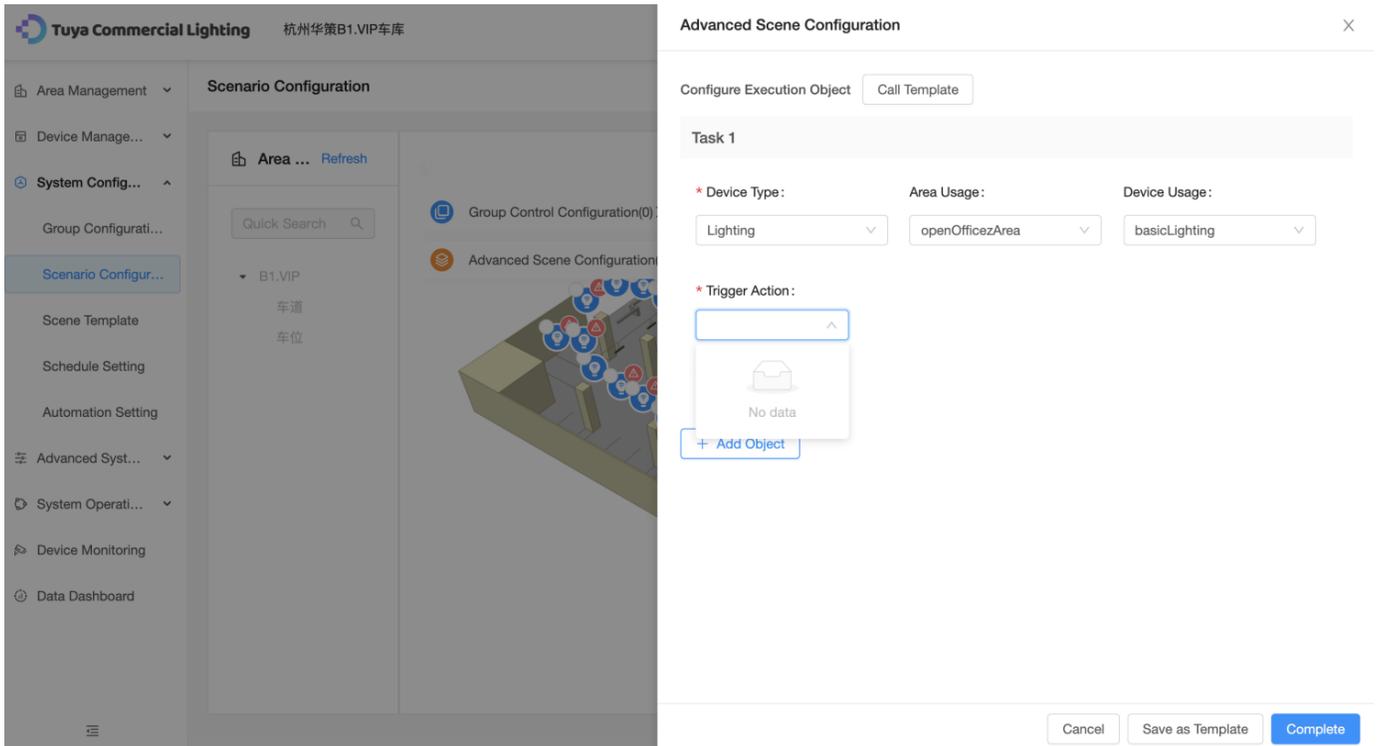
*Note: You can click **Save as Template** and enter a template name to save the current settings as a template for subsequent use.*



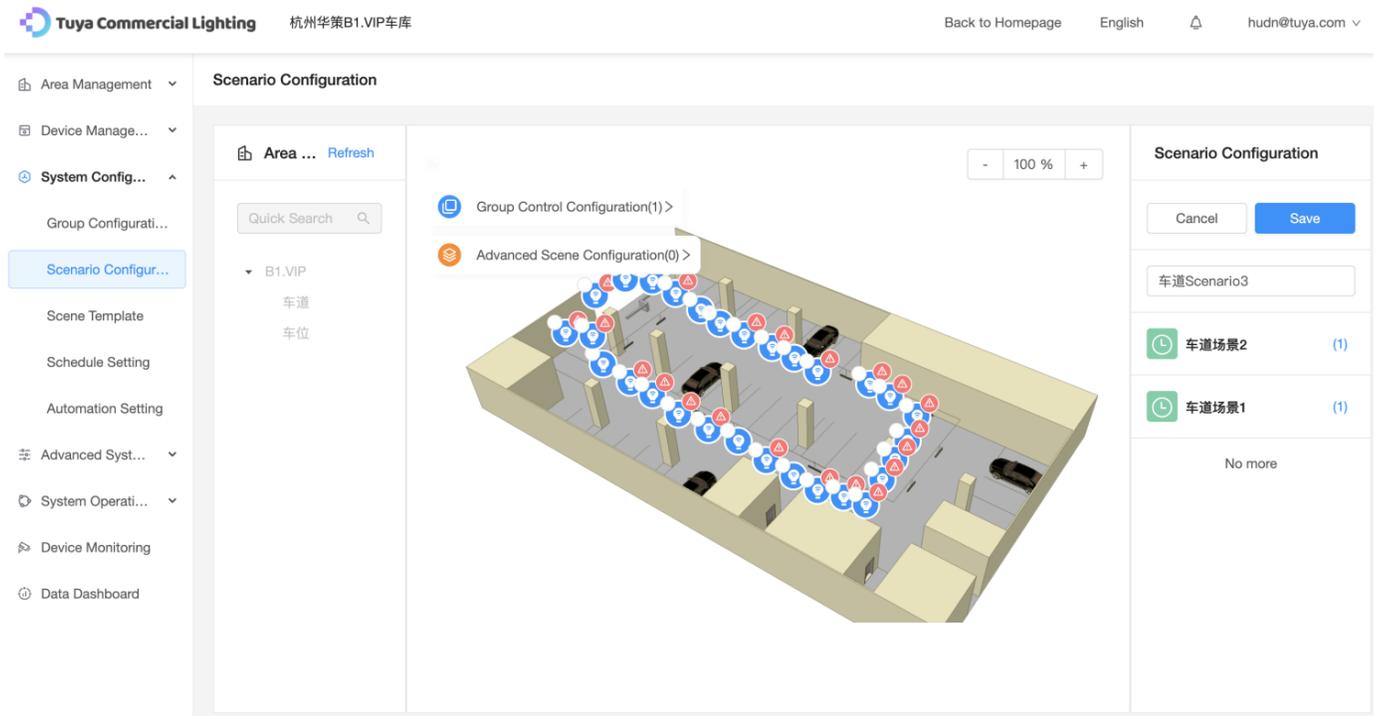
### Configuration by using a template:

Click **Call Template**, select a template, and then click **Complete**. The settings defined in the template are used directly. Select a trigger action and click **Complete**. Then click **Save** in the **Scenario Configuration** pane.





After the control device is selected, click Save in the upper right corner, and the new scene process is completed, and the scene is displayed on the scene configuration page on the right.



### 3.4.3 Scene Template (advanced edition)

*Note: This function is only provided in the SaaS platform of the advanced edition or higher.*

Go to **System Configuration > Scene Template**. You can view, create, and search for scene templates on this page.

For a created scene template, you can allocate, edit, and delete the template, as well as view the template details.

**Allocate:** Click **Allocate** in the **Operation** column to allocate a scene template to the desired area structure.

**Edit:** Click **Edit** in the **Operation** column to modify the parameters of a scene template.

**Details:** Click **Details** in the **Operation** column to view details and parameters of a scene template.

**Delete:** Click **Delete** in the **Operation** column to delete a scene template.

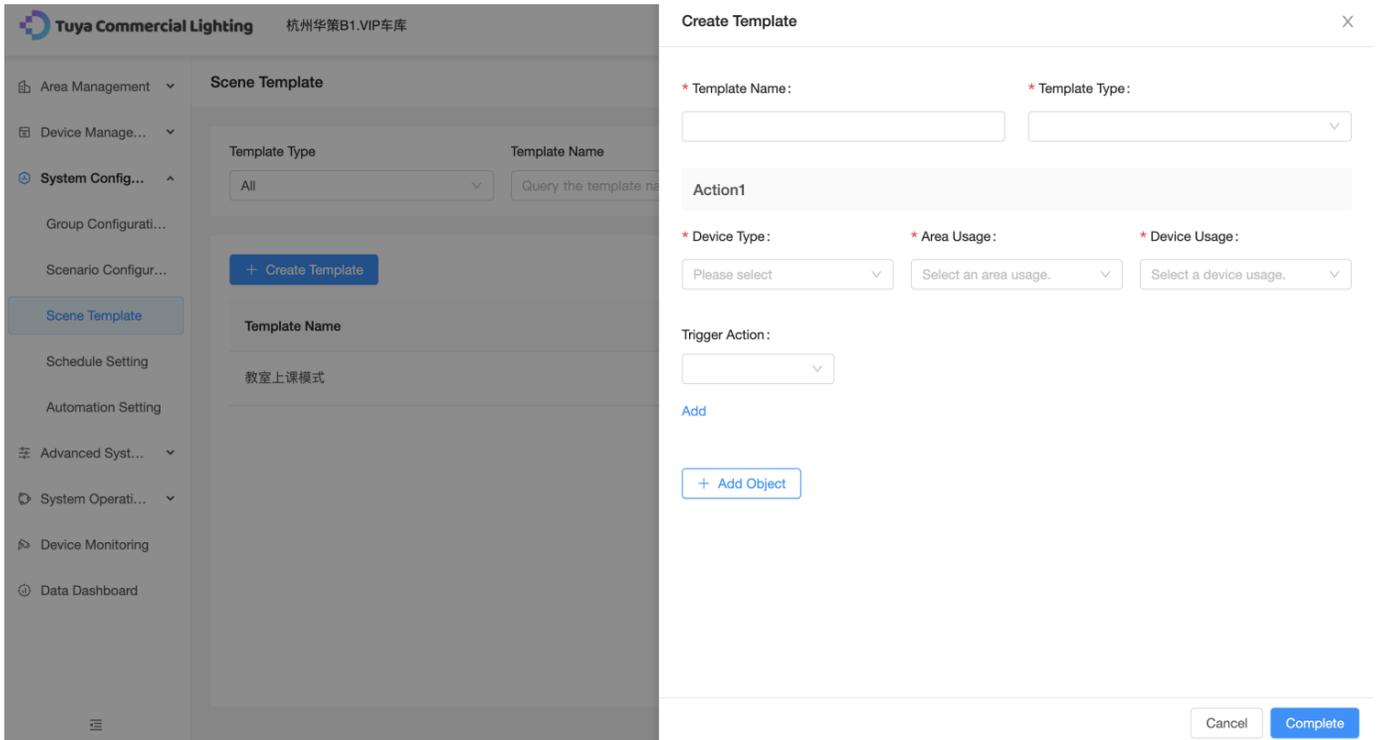
The screenshot displays the 'Scene Template' management interface. At the top, there is a search bar with 'Template Type' set to 'All' and a search input field containing 'Query the template name in fuzzy m...'. Below the search bar is a '+ Create Template' button. The main content area features a table with the following structure:

Template Name	Template Type	Operation
教室上课模式	Level-based Template	<a href="#">Allocate</a> <a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>

At the bottom of the table, there is a pagination bar indicating '1 piece(s) of data in total' and '10 / page'.

If you want to create a template, click **Create Template** and perform the following operations:

1. Set **Template Name**.
2. Select a template type from the **Template Type** drop-down list as needed. Available template types: **Level-based Template** and **Room Template**.
3. In the **Action1** section, select a device type, area usage, device usage, and trigger action in sequence.
4. Click **Add Object** to add multiple actions.
5. Click **Complete**. The template is saved and can be used.



### 3.4.4 Schedule Setting

Go to **System Configuration > Schedule Setting**. You can view and create schedules on this page.

A created schedule can be edited, deleted, enabled, or disabled.

**Edit:** Click **Edit** in the **Operation** column to modify the parameters of a schedule, including **Schedule Name**, **Schedule**, and **Object Action**.

**Delete:** Click **Delete** in the **Operation** column to delete a schedule.

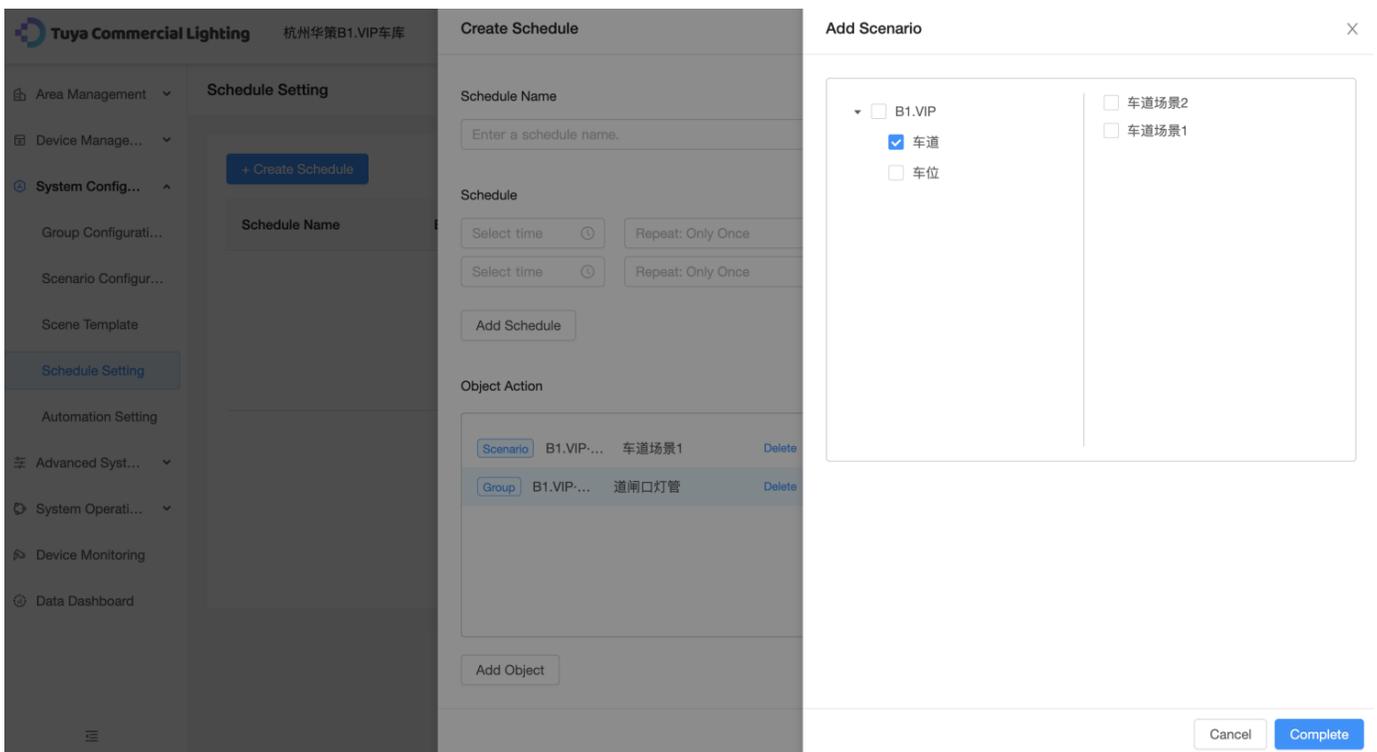
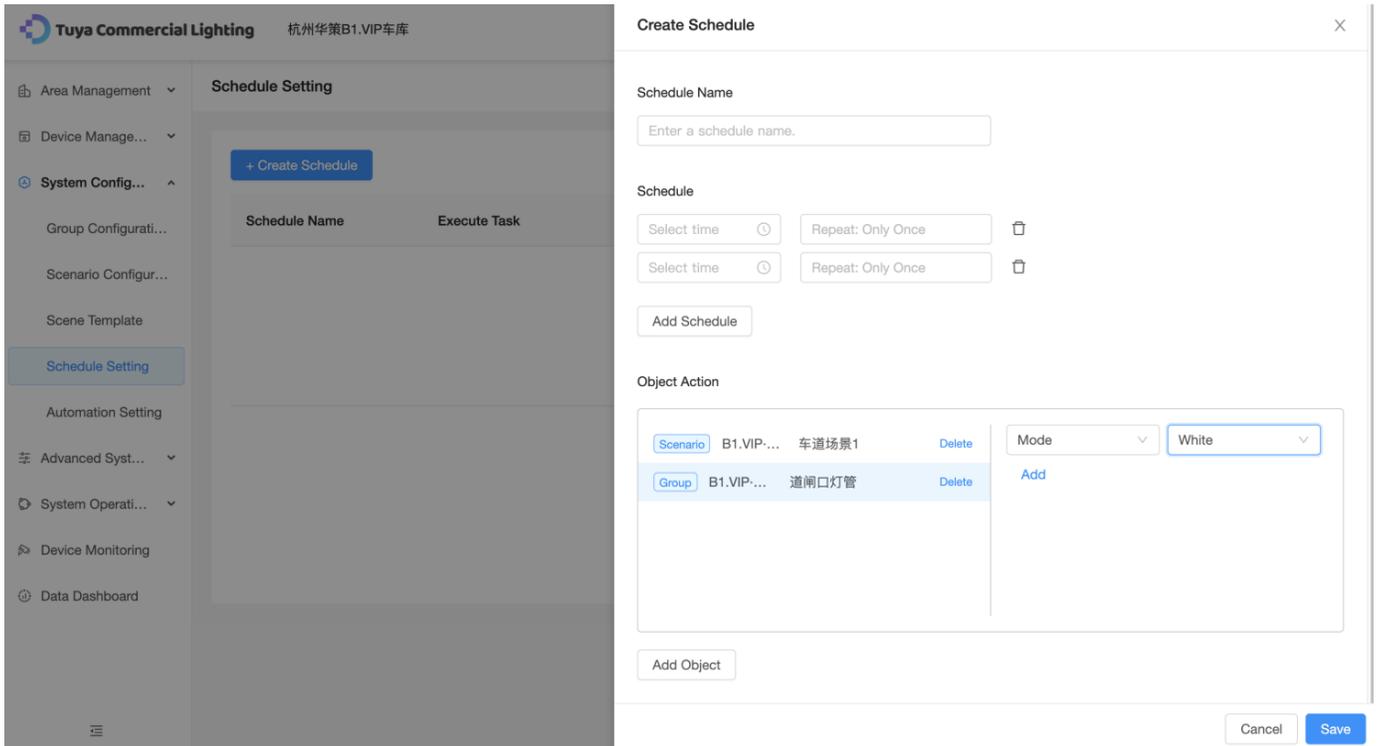
**Enable/Disable:** Turn on or off this switch to enable or disable a schedule.

The screenshot displays the 'Schedule Setting' page in the Tuya Commercial Lighting management system. On the left, a sidebar lists various system configuration options, with 'Schedule Setting' highlighted. The main content area features a '+ Create Schedule' button at the top. Below it is a table with the following structure:

Schedule Name	Execute Task	Operation
测试	Scenario 车道场景1   B1.VIP-车道   车道场景1 execute Group 道闸口灯管   B1.VIP-车道	Edit Delete <input checked="" type="checkbox"/> Enable

If you want to create a schedule, click **Create Schedule** and perform the following operations::

1. Set **Schedule Name**.
2. Select the trigger time and trigger cycle respectively, for example, 7:00 and Monday. You can click **Add Schedule** to add schedules. If you do not specify the trigger cycle, the schedule is executed only once by default.
3. Select an object. You can select a scenario, group, device, or an automation rule as the object. When the object is a device or group, you must configure corresponding actions.
4. Click **Save**.



### 3.4.5 Automation Setting

Go to **System Configuration > Automation Setting**. You can view and create automation rules on this page.

The created automation rules can be edited, deleted, enabled, or disabled.

**Edit:** Click **Edit** in the **Operation** column to modify the parameters of an automation rule, including the **Automation Name**, **Condition Information**, and **Object Action**.

**Delete:** Click **Delete** in the **Operation** column to delete an automation rule.

**Enable/Disable:** Turn on or turn off this switch to enable or disable an automation rule.

The screenshot shows the 'Automation Setting' page in the Tuya Commercial Lighting system. The interface includes a sidebar with navigation options such as 'Area Management', 'Device Management', 'System Configuration', 'Automation Setting', 'Advanced System', 'System Operation', 'Device Monitoring', and 'Data Dashboard'. The main content area features a '+ Create Automation' button and a table with the following data:

Automation Name	Execute Task	Operation
测试	Scenario 车道场景1   B1.VIP-车道   车道场景1 execute	Edit Delete Enable <input checked="" type="checkbox"/>

If you want to create an automation rule, click **Create Automation** and perform the following operations:

1. Set **Automation Name**.
2. Set **Condition Information**. You can select **Device Change** or **Custom Event Trigger** as a condition. If you select **Device Change**, select a floor and device in sequence and set the trigger action. You can select only one item each time, but you can add multiple conditions. If you select **Custom Event Trigger**, you can select one or more events created on the **Custom Event** page each time.
3. Set the object action. You can select a scenario, group, or device as the object and configure corresponding actions.
4. Click **Save**.

Tuya Commercial Lighting 杭州华策B1.VIP车库

Automation Setting

+ Create Automation

Automation Name	Execute Task
测试	Scenario 车道场景1   B1.VIP

Area Management

Device Manage...

System Config...

Group Configurati...

Scenario Configur...

Scene Template

Schedule Setting

Automation Setting

Advanced Syst...

System Operati...

Device Monitoring

Data Dashboard

Create Automation

Automation Name

Enter an automation name.

Condition Information

All conditions are met.

Add Condition

Object Action

Add Object

Cancel Save

Tuya Commercial Lighting 杭州华策B1.VIP车库

Automation Setting

+ Create Automation

Automation Name	Execute Task
测试	Scenario 车道场景1   B1.VIP

Area Management

Device Manage...

System Config...

Group Configurati...

Scenario Configur...

Scene Template

Schedule Setting

Automation Setting

Advanced Syst...

System Operati...

Device Monitoring

Data Dashboard

Create Automation

Automation Name

Enter an automation name.

Condition Information

All conditions are met.

Add Condition

Object Action

Add Object

Condition Selection-Device Change

B1.VIP

- 车道
- 车位

- 短1-1
- 短1-2
- 短2-1
- 短2-2
- 短3-1
- 短3-2
- 短4-1
- 短4-2
- 短5-2
- 短6-1
- 短6-2
- 长17-2

\* Trigger Action :

Cancel Complete

**Tuya Commercial Lighting** 杭州华... **Create Automation** **Condition Selection-Custom Event Trigger** X

Automation Name:

Condition Information: All conditions are met.

Object Action:

测试事件

**Tuya Commercial Lighting** 杭州华... **Create Automation** **Add Scenario** X

Automation Name:

Condition Information: All conditions are met.

测试事件

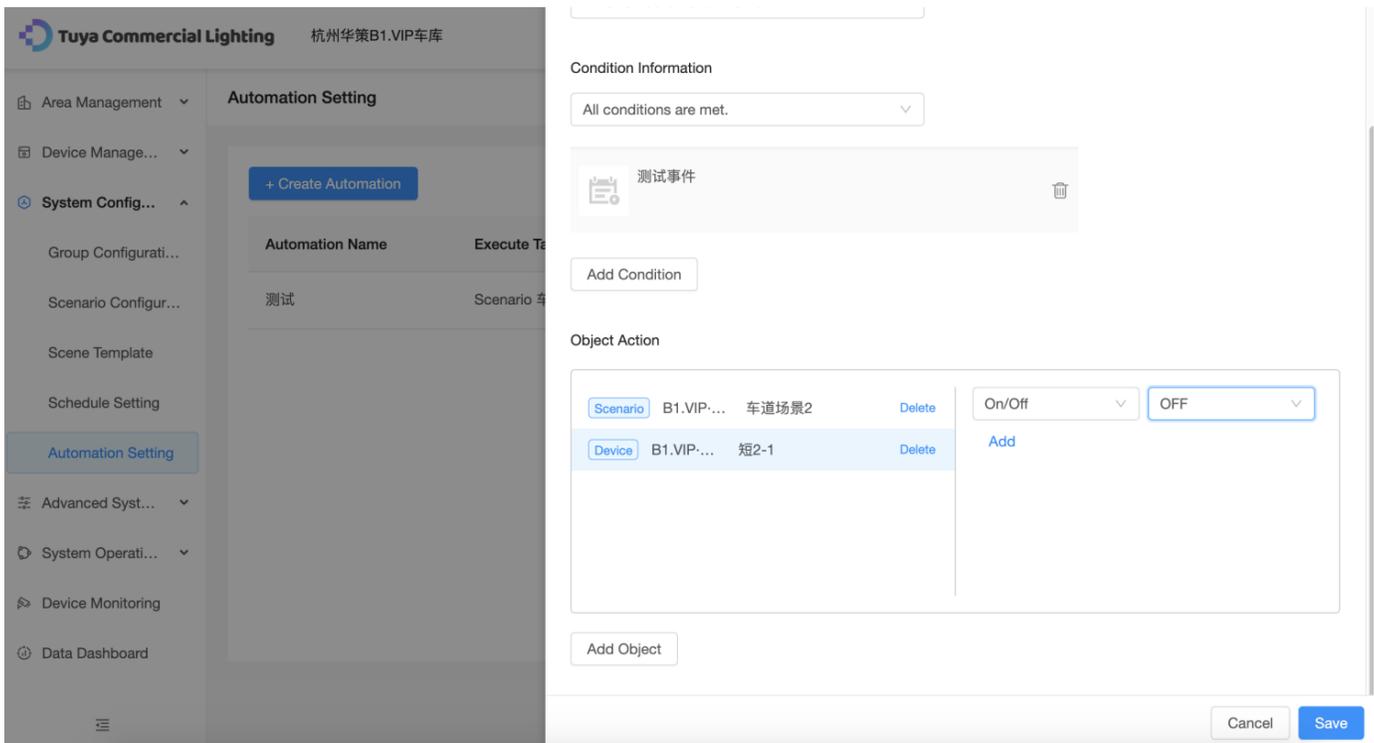
Object Action:

B1.VIP

- 车道
- 车位

车道场景2

车道场景1



## 3.5 Configure functional capabilities — Advanced System Configuration

The Advanced System Configuration module consists of three functions, which are **Big Data Dashboard Configuration**, **Area Configuration**, and **Custom Event**.

*Note: All functions under this module are only provided in the SaaS platform of the advanced edition or higher.*

### 3.5.1 Big Data Dashboard Configuration

Go to **Advanced System Configuration > Big Data Dashboard Configuration**. You can configure and modify common data types in the project.

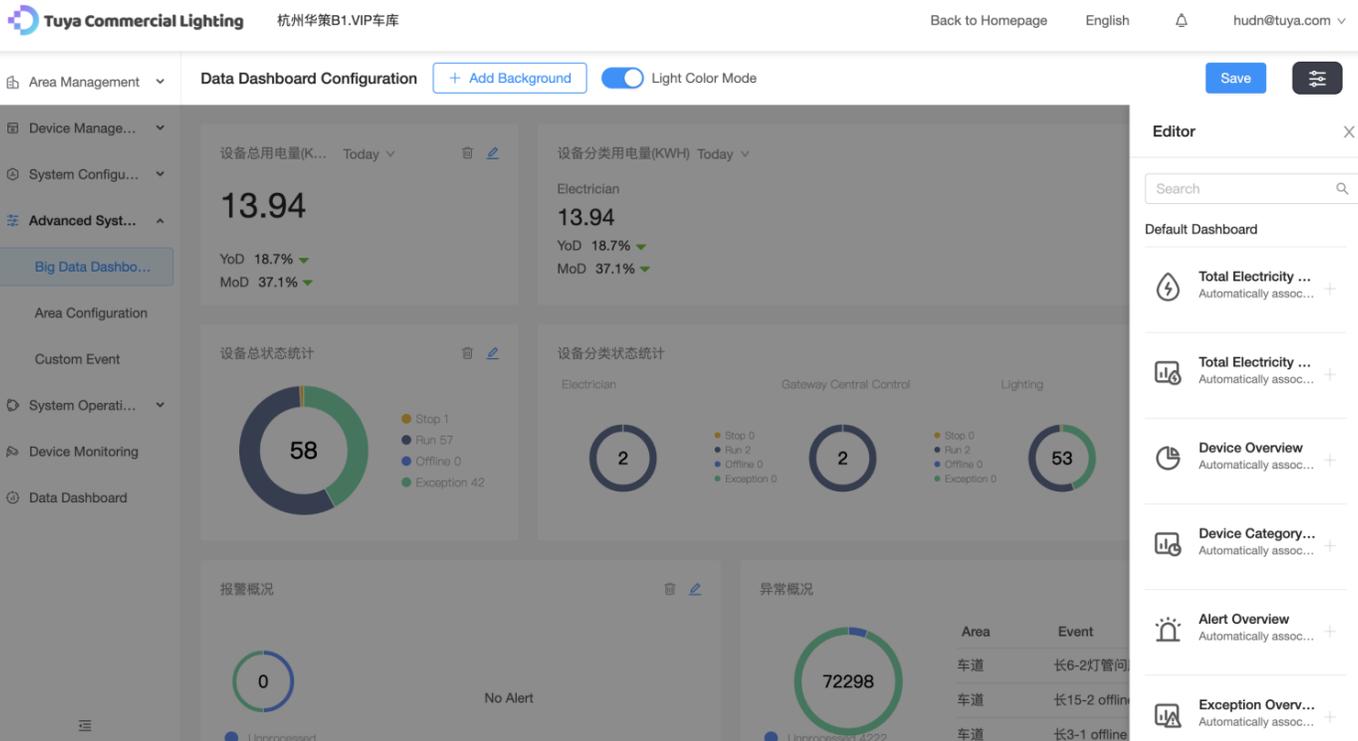
The types of displayed data are as follows:

1. Electricity consumption statistics: **Electricity Consumption** and **Device Electricity Consumption by Category**
2. Device status statistics: **Status Statistics of All Devices** and **Device Status Statistics by Category**
3. Alert and exception statistics: **Alert Overview** and **Exception Overview**

4. You can specify the types of data to be displayed based on your requirements.

If you want to add a dashboard, click the button next to **Save** on the right side of the page and perform the following operations:

1. Click the plus (+) icon next to a dashboard type to display this type of dashboard on the current page. Each type of default dashboard is generated only once. If a default dashboard has been generated, the plus (+) icon on its right side turns gray and you cannot select the dashboard. After configuration, click **Save**. A custom dashboard can be added multiple times. For more information, see the custom dashboard configuration procedure.
2. Click and drag a dashboard to move it, or click it to zoom it in or zoom it out. You can also click the edit or delete icon in the top right corner of a dashboard to change its name or delete it.
3. Click **Add Background**, select local images that meet the **type and resolution requirements**, and upload the images.
4. Turn on or off the switch next to **Add Background** to switch between the light-color mode and dark-color mode.
5. Click **Save**.



## Customize a dashboard

Click the edit icon in the top right corner of the dashboard and perform the following operations to configure the dashboard settings:

1. Enter a dashboard title.
2. Set **Y-Axis Data**. You need to select two levels of options for this parameter. Level-1 options include **Electricity Consumption**, **Device Status**, and **Event Status**. If you select the **Electricity Consumption** option, you can select the **Total Electricity Consumption** or **Total Power** level-2 option. If you select the **Device Status** option, you can select the **Enable**, **Offline**, or **Exception** level-2 option. If you select the **Event Status** option, you can select the **Current Quantity** or **Historical Quantity** level-2 option. You can only select one option each time.
3. For **X-Axis Object**, select an area structure and the corresponding status category based on the data type selected for **Y-Axis Data**. You can select only one area structure but multiple categories each time.
4. Click **Complete**.

**Edit Dashboard**
✕

---

**\* Dashboard Title:**

Custom Histogram

**\* Y-Axis Data:**

Electricity Consumption ▾

Total Power ▾

**\* X-Axis Object:**

Area

▾

- B1.VIP
- 车道
- 车位

Electricity Consumption

- Total Measurement
- Power
- Air Conditioning
- Rooms
- Plugs
- Lighting

Cancel

Complete

### 3.5.2 Area Configuration

Go to **Advanced System Configuration > Area Configuration**. On the **Area Configuration** page, you can configure the data dashboard and shortcut button features in a specific area structure. This way, you can achieve quick control and monitor projects as needed.

Configurable items can be categorized into two types:

- **Dashboards:** The supported dashboards include **YoY and MoM Electricity Consumption Comparison Graph of Lighting Devices (KWH)**, **Running Status List of Lighting Devices**, **Running Status List of Lighting Devices in the Area**, and **Custom Running Status List of Light**.
- **Buttons:** The supported buttons include **Default Button**, **Custom On/Off Button**, **Custom Option Button**, and **Custom Button for Controlling Custom Objects**.

The screenshot shows the 'Area Configuration' page in the Tuya Commercial Lighting management system. The interface includes a sidebar with navigation options such as 'Area Management', 'Device Management', 'System Configuration', 'Advanced System', 'Big Data Dashboard', 'Area Configuration', 'Custom Event', 'System Operation', 'Device Monitoring', and 'Data Dashboard'. The main content area is titled 'Area Configuration' and features a 3D floor plan of a parking garage. Above the floor plan, there are three dashboard widgets: 'Running Status List of ...', 'Running Status List of ...', and 'YoY and MoM Electri...'. A search bar and a refresh button are visible at the top left of the main area. A zoom control shows '50%' and a power button is at the bottom left of the main area.

## Configure a dashboard

After you select an area structure, click the **Edit** icon on the right side. In the **Editor** dialog box, select a dashboard category on the **Dashboard** tab.

- The dashboard categories include **Default** and **Customization**. You can click the plus (+) icon on the right side of a dashboard to display the dashboard on the current page. In an area structure, a type of default dashboard is generated only once, whereas a custom dashboard can be generated multiple times. If a default dashboard has been generated, the plus (+) icon on its right side turns gray, and you cannot select the dashboard. Click **Complete** to save the configuration. Note that only a custom dashboard requires further configuration.
- To add a custom dashboard, click the plus (+) icon on the right side of **Custom Running Status List of Light**. In the **Edit Dashboard** dialog box, enter a dashboard title, and select one statistical object and one or more secondary categories.
- You can click and drag the generated dashboards to change their orders. You can also click the edit or delete icon in the top right corner of a dashboard to change its name or delete it.



Dashboard

Button

Default



**YoY and MoM Electricity Consumption Comparison Graph of Lighting Devices(KWH)**

Automatically associates with the total electricity consumption of lighting devices in the area and displays the total electricity consumption on YoY and MoM bases.



**Running Status List of Lighting Devices**

Automatically associates with the running statuses of lighting devices of all device usage types in the area and displays the running status statistics.



**Running Status List of Lighting Devices in the Area**

Automatically associates with the running statuses of lighting devices of all area usage types in the area and displays the running status statistics.

Customization

**Custom Running Status List of Light**

## \* Dashboard Title:

## \* Statistical Object:

- Device Usage
- Area Usage
- Sub-area

- 车道
- 车位

## \* Statistics:

- On
- Offline
- Exception

## Configure a button:

After you select an area structure, click the **Edit** icon on the right side. In the **Editor** dialog box, select a button category on the **Button** tab.:

- The button categories include **Default** and **Customization**. You can click the plus (+) icon on the right side of a button to display the button on the current page. In an area structure, the default button can be generated only once, whereas a type of custom button can be generated multiple times. If a default dashboard has been generated, the plus (+) icon on its right side turns gray, and you cannot select the dashboard. Click **Complete** to save the configuration. Note that only a custom button requires further configuration. The configuration process is separately presented.

- You can click and drag the generated buttons to change their orders. You can also click the edit or delete icon in the top right corner of a button to change its name or delete it.

**Editor**
✕

---

🔍

Dashboard
Button

---

Default

---



**Default Button**

Turn on/off all lighting devices in the area.

+

---

Customization

---



**Custom On/Off Button**

It is recommended that you configure on/off buttons for devices and groups.

+

---



**Custom Option Button**

It is recommended that you configure an option button for a schedule or an automation.

+

---



**Custom Button for Controlling Custom Objects**

You can customize the control objects.

+

---

You can click **Custom On/Off Button** or **Custom Option Button** to configure a button. The following content takes **Custom On/Off Button** as an example to describe how to configure a button:

1. Enter a button title.
2. Set **Button Control Object**. You can select one or more devices and groups as control objects, as long as the number of objects under a button does not exceed 15.
3. Select a button function from the **Operation** drop-down list based on the selected control objects.
4. Click **Complete**.

### Edit Button ✕

\* Button Title :

\* Button Control Object :

Device	Group
<input type="checkbox"/> 计量漏保空开.车道 <input type="checkbox"/> 计量空开-车位	 No data

\* Operation :

If you click **Custom Button for Controlling Custom Objects**, perform the following operations to configure a button:

1. Enter a button title.
2. Set **Button Control Object**. You can specify a device, a group, an automation rule, a schedule, or a scene as an object type, and select a control object based on the object type. You can only select one object. Select a button function from the **Operation** drop-down list based on the selected control object.
3. Click **Add** to add multiple objects. You can add a maximum of 15 objects.
4. Click **Complete**.

\* Button Title:

Custom Button for Controlling Cu

Object 1

\* Button Control Object:

Device

Select a control object.

\* Operation:

Add

+ Add Object

Cancel

Complete

### 3.5.3 Custom Event

Go to **Advanced System Configuration > Custom Event**. You can view or create events on this page.

A created custom event can be edited or deleted.

**Edit:** Click **Edit** in the **Operation** column to modify the parameters of a custom event.

**Delete:** Click **Delete** in the **Operation** column to delete a custom event.

EventName	Condition Type	Condition	Operation
测试事件	Meet all condit...	计量空开-车位 开关1: 开启	<a href="#">Edit</a> <a href="#">Delete</a>

If you want to create a custom event, click **Add Event** and perform the following operations:

1. Set **Event Name**.
2. Set **Event Information** and enter a message that is to be displayed after an alert is triggered. The information types include **Alarm** and **Exception**.
3. Select a condition for triggering alerts from the **Condition Information** drop-down list. Available conditions include **If all conditions are met** and **If one of the conditions is met**.
4. Click **Add Condition** to add a condition for triggering an event. In the **Add new condition** dialog box, select a device in the **Current space** section, configure a trigger action based on the selected device, and click **Complete**.

Click **Complete** in the **Add Event** dialog box to close the dialog box and go back to the **Custom Event** page.

## Add Event



\* EventName

\* Event Information :

Condition Information

Cancel

Complete

\* Current space:

<p>▶ <input checked="" type="radio"/> B1.VIP</p>	<p><input type="radio"/> 计量漏保空开.车道</p> <p><input checked="" type="radio"/> 计量空开-车位</p>
--	--

\* Trigger:

Switch 1 ▼

ON

OFF

Cancel Complete

*The project configuration is then completed. You can go to the Device Monitoring and Data Dashboard pages to view projects and manage devices.*