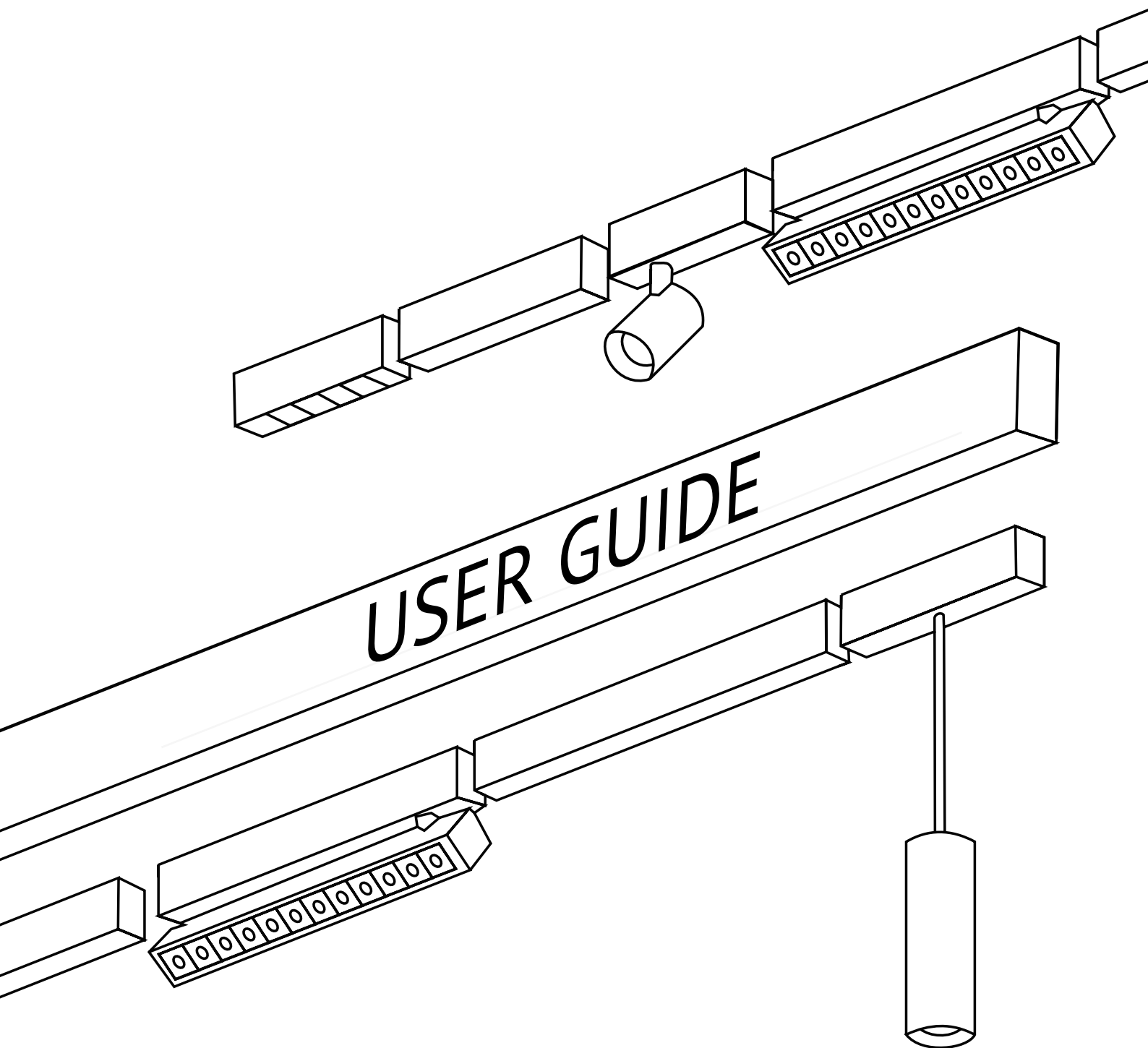


TRACK SYSTEM DENKIRS SMART



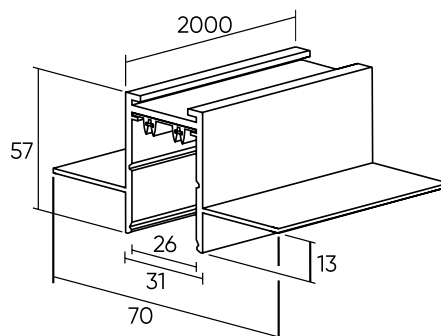
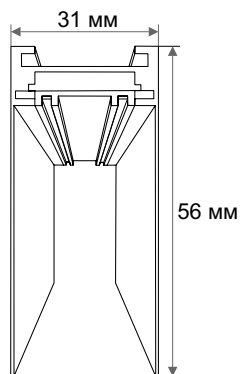
TRACK RAILS

TR/EU-2002-BK – 2000 mm

TR/EU-2003-BK – 3000 mm

TR/EU-2002-BK – 2000 mm

TR/EU-2003-BK – 3000 mm



ACCESSORIES

TR/EU-2100-BK

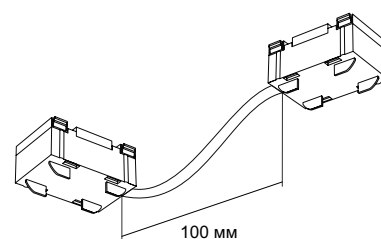
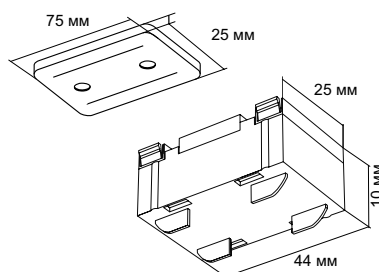
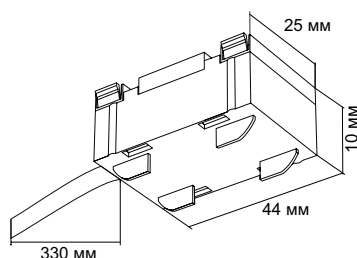
Power supply

TR/EU-2101-BK

Electrical connector

TR/EU-2103-BK

Flexible connection module

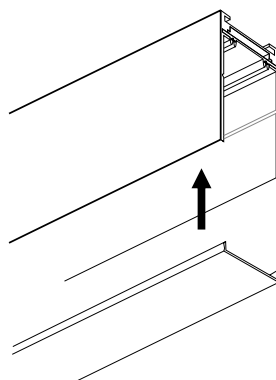
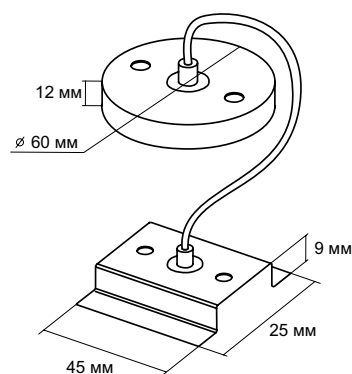


TR/EU-2106-BK

Hanging mount

TR/EU-2010-BK

PVC side covers



DENKIRS SMART LUMINAIRES

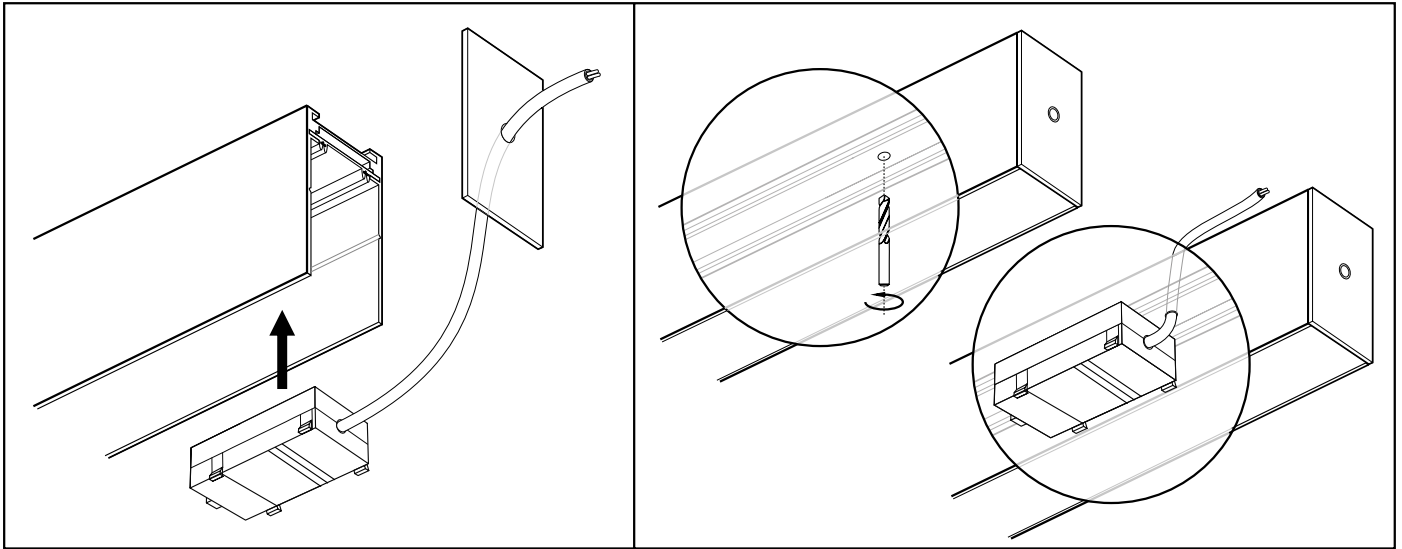
- The mechanical latching system ensures ease of installation and dismantling, as well as reliable connection of the luminaires to the busbar.
 - Every DENKIRS SMART system lamp has a built-in driver and TUYA control chip inside the housing
 - The DENKIRS SMART track system makes it possible to move luminaires along the busbar after installation into it.
 - To be able to remotely control the lamp, you need to download the TUYA SMART application from the App Store (IOS devices) or Play market (Android devices) and pair the lamps with the application
1. Housing material: aluminum alloy with powder paint coating
 2. Case color - Black
 3. Voltage 220V AC
 4. Mounting type: built into busbar
 5. OSRAM LED type (COB; SMD)
 6. IP20
 7. Control using the TUYA SMART application for mobile devices, wall panel, remote control
 8. Basic control functions: dimming, color temperature change(2700K - 6000K
 9. Operating temperature on 0°C Up to 35°C

BASIC INSTALLATION REQUIREMENTS

1. Follow general electrical and fire safety rules
2. Installation of the busbar must be carried out by appropriately qualified specialists.
3. Before installing or replacing any components, you must turn off the power supply.
4. The busbar is designed to operate with a voltage of 220V AC
5. The maximum total power of all lamps installed in one track system should not exceed 800 watts
6. Forbidden! Operation of the system in rooms with high humidity and the possibility of condensation (swimming pool, bathrooms, baths, etc.)
7. Use professional equipment for cutting busbar

POWER INPUT CONNECTION

1. The power input TR/EU-2100-BK must be installed in the track then press the button and fix the power input in the busbar.
2. The electrical wire coming out of the power Input must be connected to a network with a voltage of 220V AC, ensuring a reliable electrical connection.
3. Power connection must be made only after installation of the track system.



INSTALLING LUMINAIRES

1. Press the two buttons on the sides of the lamp
2. Insert the light into the busbar
3. Press the light until it clicks into place
4. You can adjust the position of the lamp by moving it along the busbar

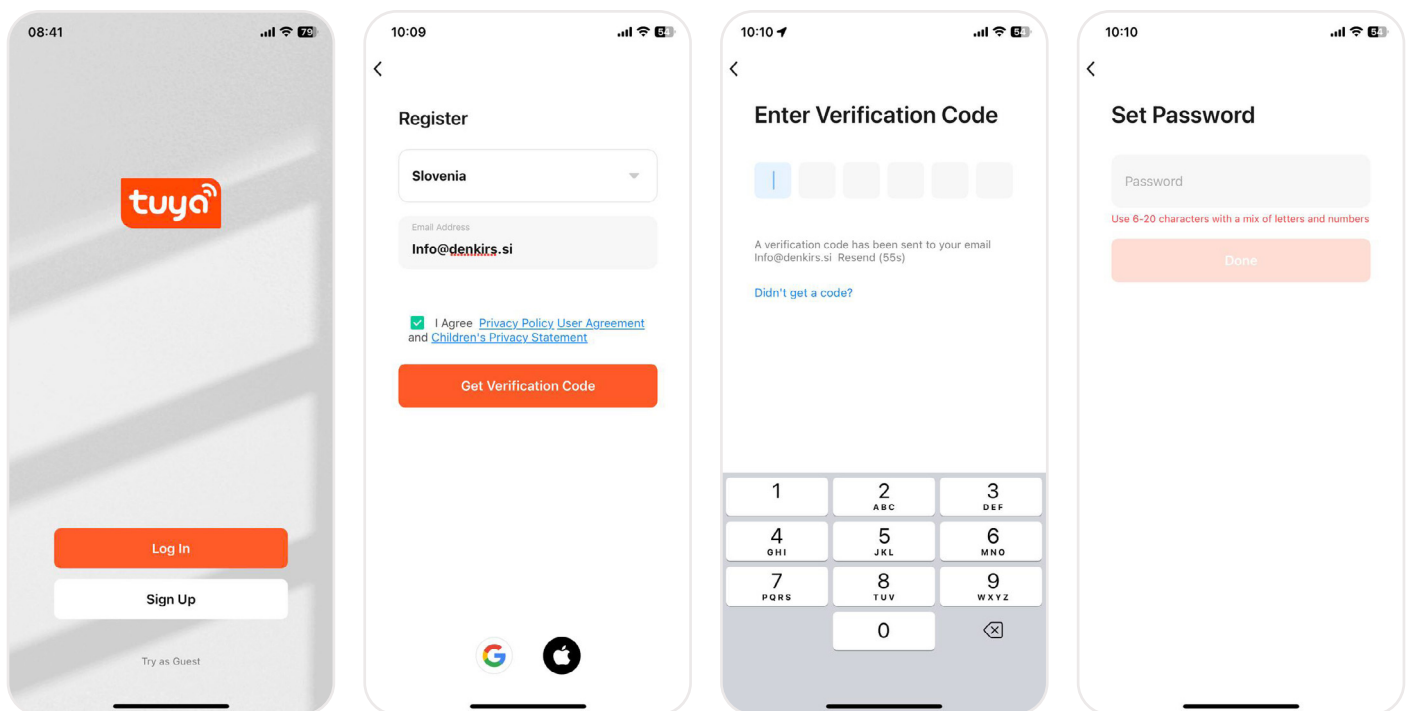
REMOVING LUMINAIRES FROM THE TRACK

1. Turn Off DENKIRS SMART track system
2. Press two buttons on the sides of the lamp
3. Remove the lamp from the busbar

USER GUIDE “TUYA SMART” APP (ANDROID/IOS)

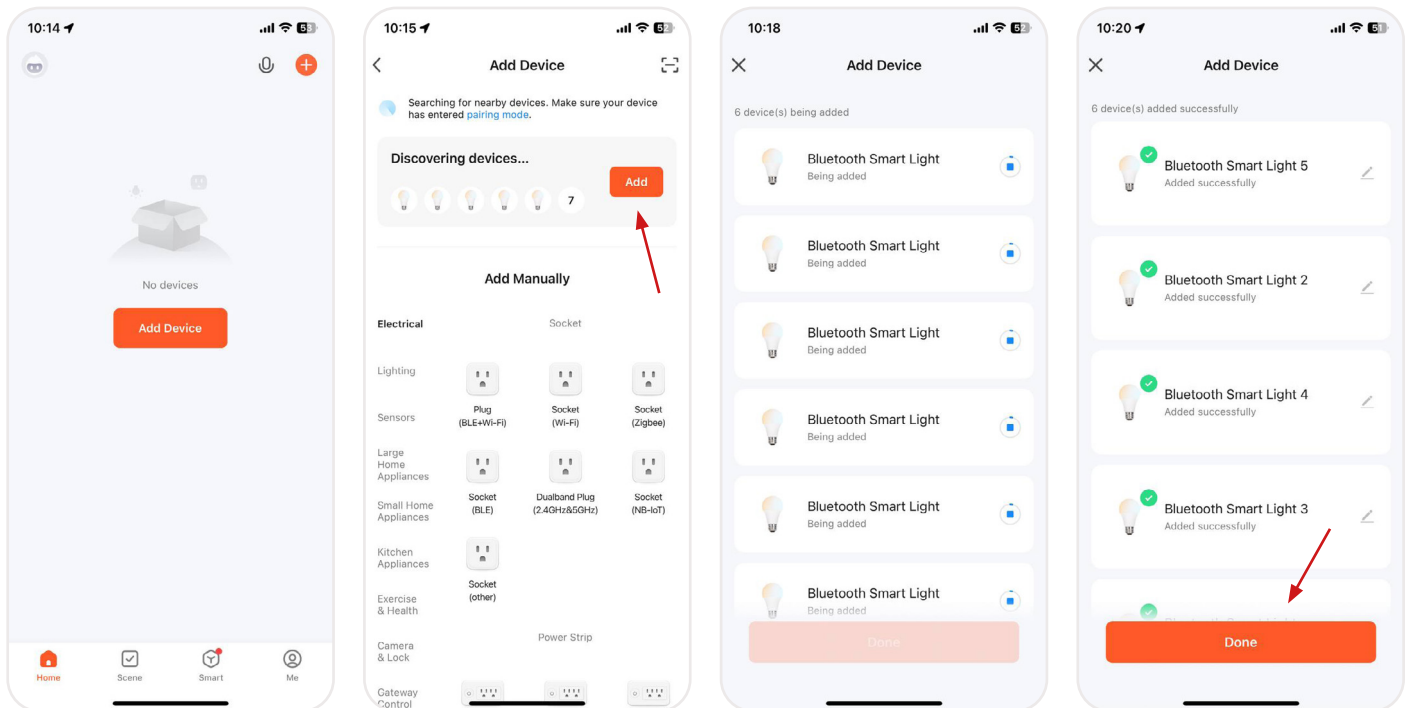
REGISTER AN ACCOUNT

1. Make sure your smartphone is connected to your home Wi-Fi network
2. Download the Tuya Smart app from the Play Market for Android or the App Store for iOS. If you are using the Tuya Smart application for the first time, you need to register an account and log in



ADDING LUMINAIRES TO THE TUYA SMART APP (ANDROID/IOS)

1. Activate the Bluetooth function on your smartphone and connect to your home Wi-Fi network. Go to the Tuya SMART app and click + and Add Device from the HOME screen
2. An automatic search for luminaires ready to be added to the application will begin.
3. Before this for effective pairing - it is recommended to reboot the lamps (it is necessary to turn off and on the voltage on the busbar 3 times until the lamps flicker, which indicates that the lamps are ready for connection), make sure that the lamps blinked, and press the Add button.
4. The process of adding lamps will begin (no more than 2-3 minutes); upon completion, press the Done button.

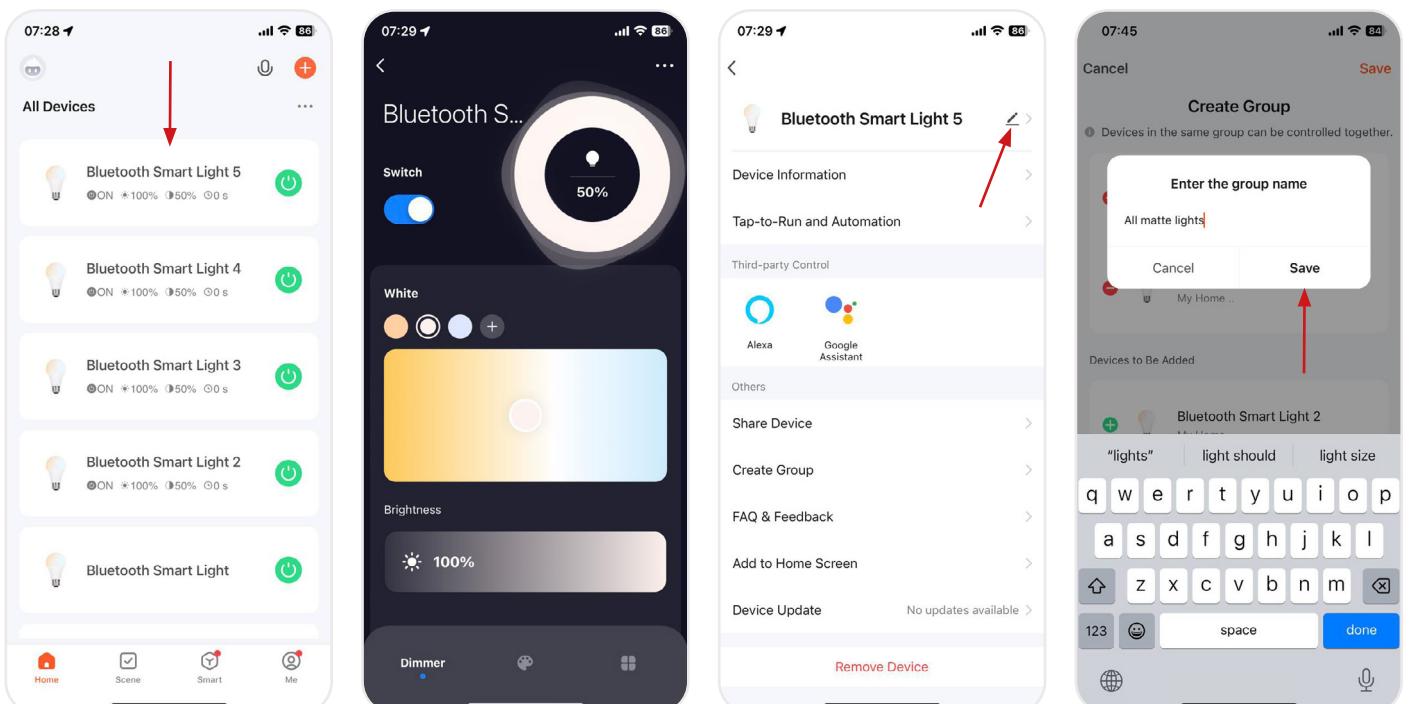


5. Now the lamps have been successfully added to your application Tuya Smart and you can use the functions.

Important! After connecting the lamps, we recommend renaming them in the application.

For example, based on the principle of appearance and location. This will simplify the process of adding lamps to groups in the future.

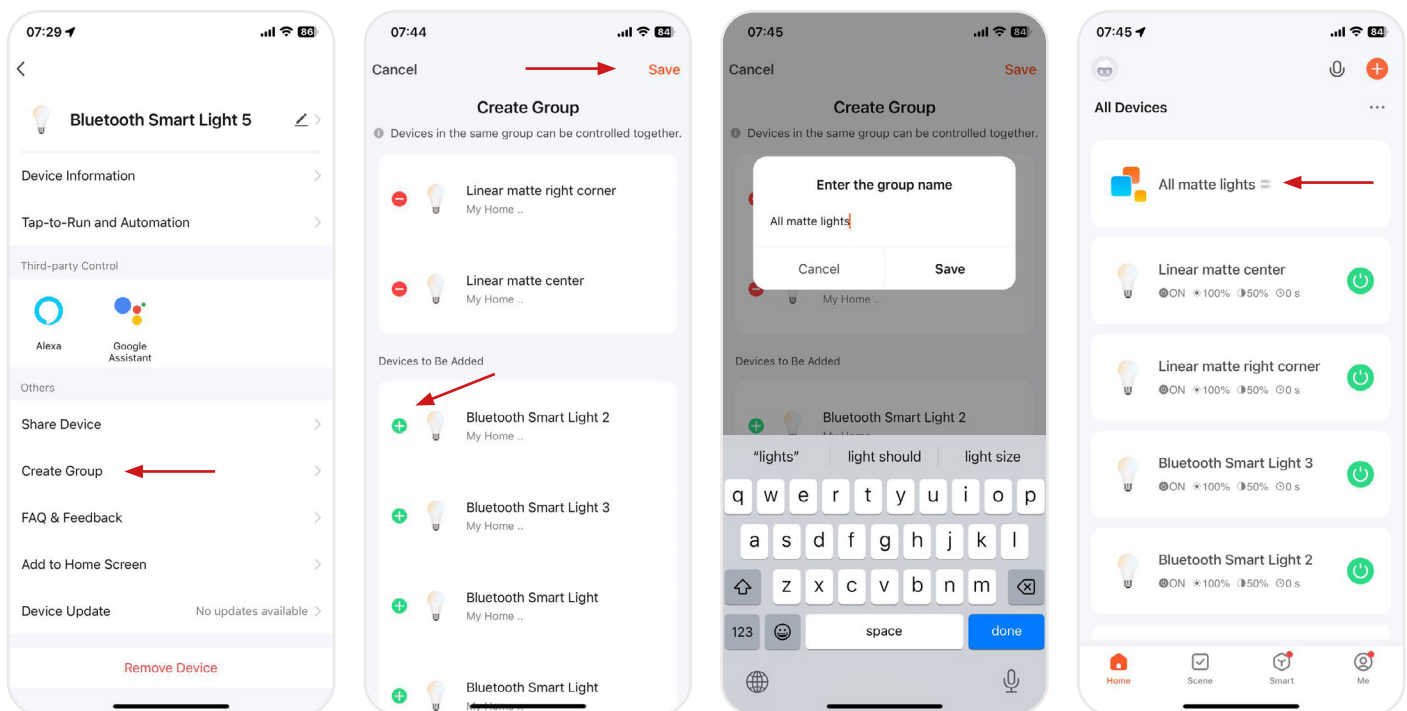
In the HOME menu, you can determine which name, which was assigned automatically, corresponds to one of the lamps by pressing the off button. After this, you need to select any lamp, then go to the lamp settings menu (3 points)



CREATE GROUPS OF LUMINAIRES

Setting up groups allows you to control many lamps simultaneously. In this case, the parameters of the lamps (turning on and off, changing brightness or color temperature) included in the group will be adjusted simultaneously.

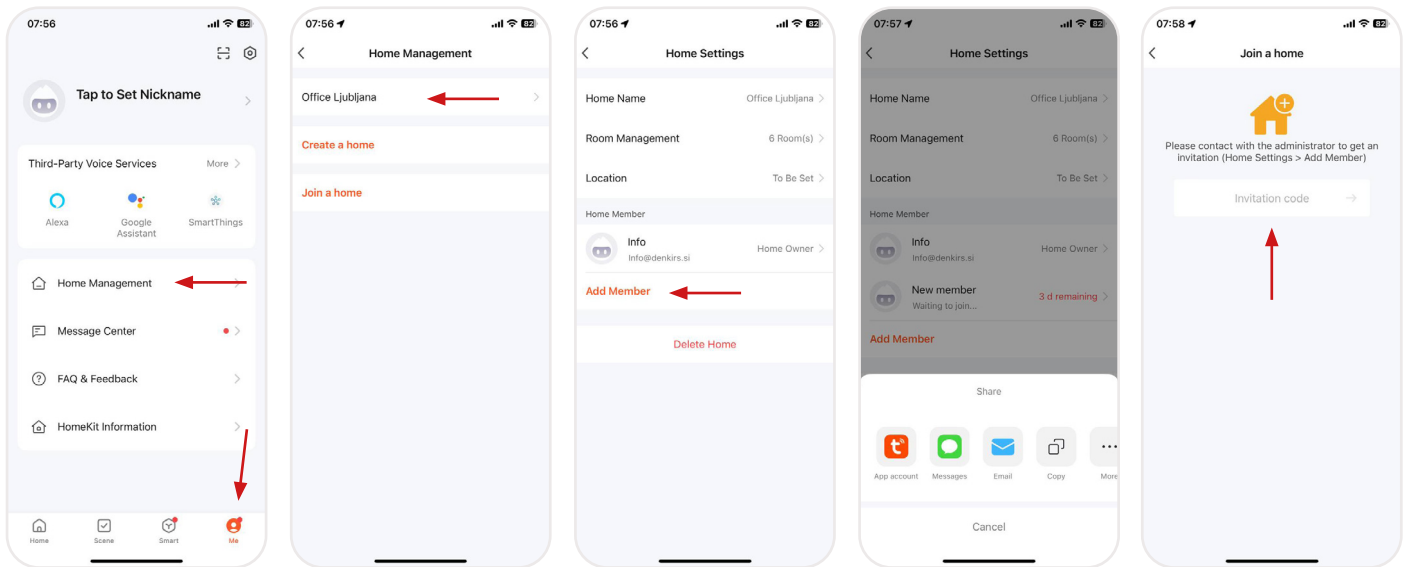
1. To create a new group in the HOME tab click any lamp from the list.
2. On the next screen you need to go to the lamp settings menu (3 dots)
3. The next step - select "Create Group" and add luminaires that will be part of the group
4. After selecting luminaires that will be part of the group - click Save.
5. Enter a new name for the group and click Save.
6. The created group will appear in the HOME menu. Now control its activation and other functions (Scenes, adjusting the brightness and color temperature of all lamps in the group).



SHARING ACCESS TO LIGHTING CONTROL

1. The sharing function allows you to control the lighting system simultaneously from several mobile devices.
2. To invite a new user you need to go to the Me section in Tuya Smart App.
3. Select your Home (you need to assign a name)
4. Add member
5. The App will offer to send an invitation to a participant from the contact list in one of the convenient ways: via SMS/Whatsapp, etc. As a result the new user will be sent: a link to download the TuyaSmart application, as well as an access code to the smart home.
6. After installing the TUYA SMART application and going through the registration procedure, the new user must enter the authorization code received earlier.

7. After entering the access code, you must confirm the code by pressing the ARROW button.



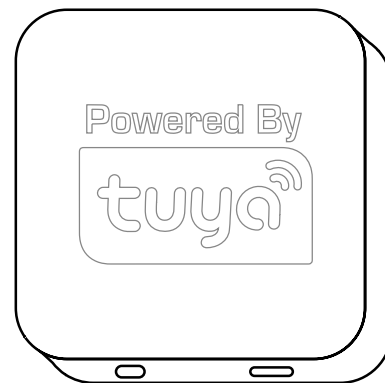
P.S. You can also log in under one account on different mobile devices to give several users equal management rights

WI-FI GATEWAY

Required for remote control of luminaires DENKIRS SMART systems in a home WI-FI network via the Internet. Automation - creating lighting scenarios, setting timers, controlling lighting using voice assistants (SIRI/Google Assistant)

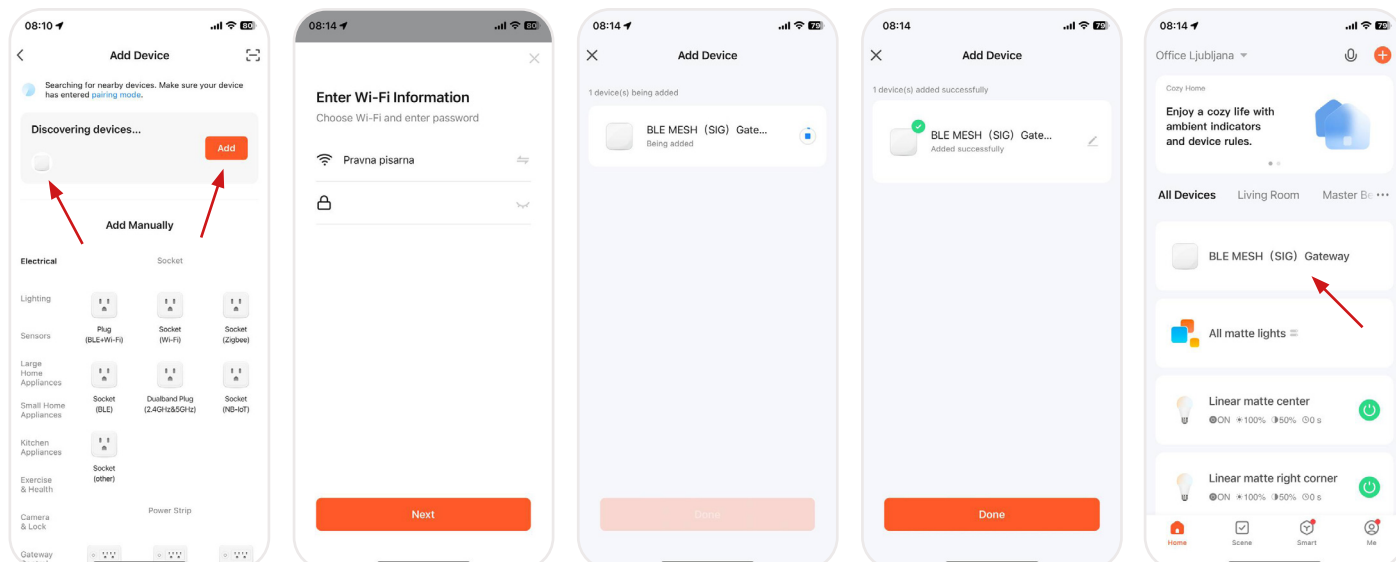
Features:

- Housing material White plastic
- Supplied with USB-A - micro usb cord
- Overall size (LxWxH) 64x64x15 mm
- Protocols - WIFI 2.4 GHz/BLE
- Supply voltage DC 5V
- Operating temperature from 0°C to 35°C
- IP20



ADDING A WI-FI CONVERTER TO TUYA SMART APP

1. Activate the Bluetooth function on your smartphone and connect to your home Wi-Fi network. Go to the Tuya SMART app and click + and Add Device from the HOME screen
2. An automatic search for devices ready to be added to the application will begin.
3. To pair with the application you need to put the Wi-Fi converter into pairing mode. Press and hold the RESET button for 5 seconds until the red indicator flashes.
4. After the WI-FI converter is detected, the Tuya Smart application will offer you to enter the password for your home network.
5. The pairing process will begin (no more than 2 minutes). Once completed, press the button **-Done**.
6. After the WI-FI converter will be successfully added to your application and will appear in the list of devices. Now you can use the functions.



INDICATOR STATUSES

Blue indicators (Bluetooth network):

Constantly on - connected

Flashing - binding mode

Red indicator (WiFi network):

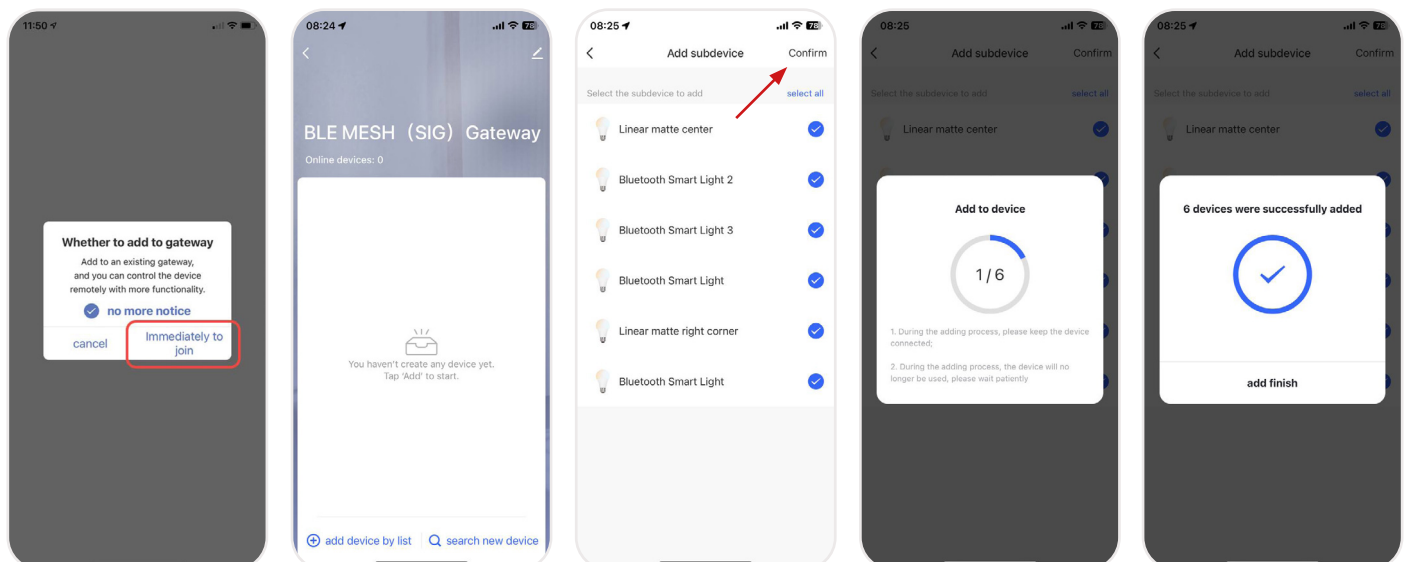
Constantly on - connected

Off - WiFi network is disabled, device is offline

Flashing - binding mode

ADDING LUMINAIRES TO THE WI-FI CONVERTER IN THE TUYA SMART APPLICATION

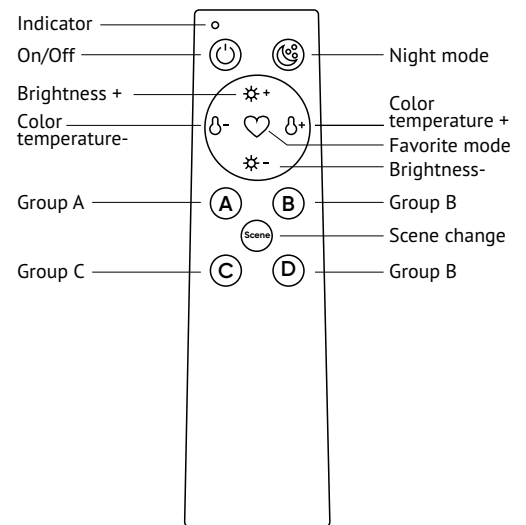
1. Select Gateway in the list of devices.
2. Select Add device by list.
3. The application will offer to add lamps that have already gone through the process of pairing with a mobile device. You need to select the required devices and click the **Confirm** button
4. Next - click the **Immediately to join** button
5. The process of adding lamps will begin (No more than 2-3 minutes)
6. Now you can apply the functions of the Wi-Fi gateway (remote control, setting up voice control, creating lighting scenarios) to the added lamps.



REMOTE CONTROL

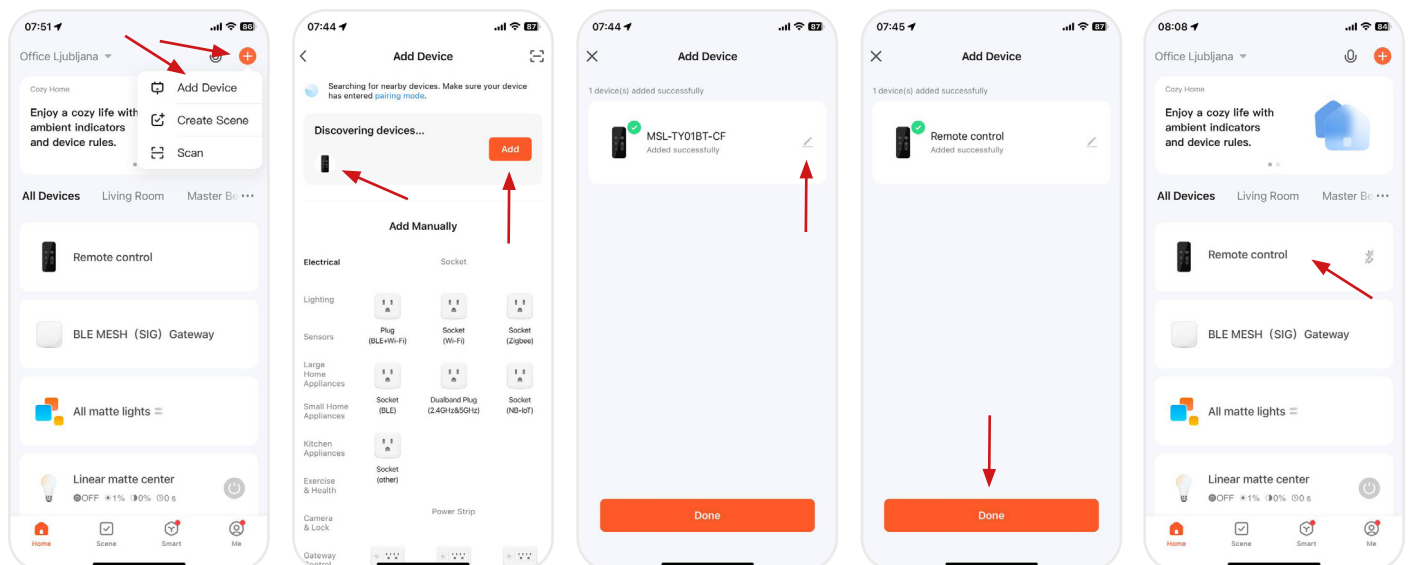
Functions: On/off power, night mode, color temperature, brightness, favorite mode, control 4 groups of luminaires

- Protocols - BLE/Sigmesh
- Material - Black plastic
- Power supply: 2 AAA batteries (not included)
- Overall dimension 40x140mm
- Thickness 22mm
- Remote control frequency 2400 MHz
- Maximum number of scenarios 4
- Maximum control distance 17m



CONNECTION TUYA SMART APP REMOTE:

1. Activate the Bluetooth function on your smartphone and connect to your home Wi-Fi network. Go to the Tuya SMART app and click **+** and **Add Device** from the HOME screen.
2. Press and hold two buttons on the remote control simultaneously ("Brightness +" and "Brightness -") until the indicator light on the remote control begins to blink (5-10 seconds). A flashing indicator means the remote control is in pairing mode with the Tuya Smart application.
3. After that, you will see the remote control in the list of detected devices. Click the Add button and the process of adding the Remote Control to the Tuya Smart application will begin. (no more than 60 seconds)
4. After successfully adding the remote control, the application will offer to rename the device from the default name to one that is convenient for you. After this you need to click the Done button



Important! If the remote control cannot connect successfully within 60 seconds, the indicator will turn off. If the connection is successful, then the indicator will be on for 2 seconds and then turn OFF.

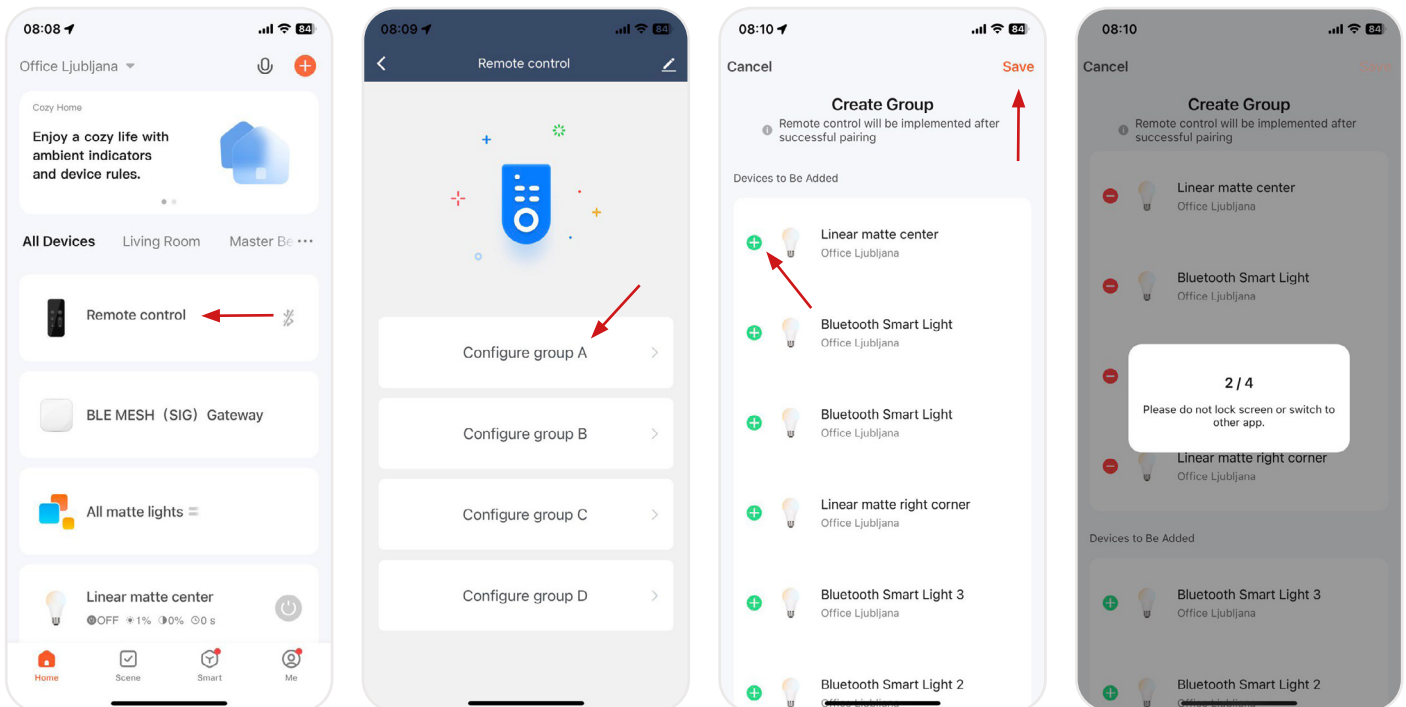
UNLINK REMOTE CONTROL:

1. Long press the “Brightness+” and “Brightness-” buttons until the remote control indicator stops lighting.
2. It takes about 60 seconds to unbind the Remote. If you need to reconnect the remote control, repeat “step 1”

SETTING UP CONTROL OF GROUPS OF LUMINAIRES (TUYA SMART APP)

After pairing the Remote Control with Tuya Smart, you can create up to 4 groups of luminaires (A-B-C-D). (One remote control can control a maximum of 40 lights.)

1. In the **HOME** menu, click on the remote control added to the list of devices
2. Select the first group (button on the remote control) you want to configure. For example A. Click Configure group A
3. Next you will see a list of all the lamps and you can link the ones you need to group A by clicking on the + button opposite each lamp. Then click the Save button. After this, the process of binding the luminaires to the selected button on the remote control will begin.
4. After successfully adding luminaires to a group, the Tuya Smart application will return to the page with a list of groups (remote control buttons). You can go back to the previously selected group and make sure that the lights are assigned to a button on the remote control.
5. If necessary, repeat this procedure with other groups (buttons on the remote control).



Important! We recommend adding all the lamps to one of the groups for the convenience of controlling all luminaires at the same time.

SETTING UP GROUP CONTROL DIRECTLY FROM THE REMOTE CONTROL WITHOUT TUYA SMART APP :

1. Install luminaires that you want to combine into the one group in a switched off tracking system.
2. Select the button on the remote control with numbers from 1 to 4 to select the group. For example 1.
3. Turn off the power to the track system and turn it back on after 3 seconds.
4. Press and hold the button of the required group (in example 1) until the lights begin to flicker (3 times), after that - pairing will complete.
5. All luminaires that are in the track system at the time of connection will be assigned to one selected group (in example 1) and can be controlled synchronously when controlled by the remote control
6. To link lamps to group No. 2, you need to remove from the track luminaires that should not be linked to this group No. 2 and install only those luminaires that need to be linked to group No. 2 and repeat the binding procedure, just like with group No. 1

CANCELING GROUP MANAGEMENT:

1. Turn off the power to the track system and turn it back on after 3 seconds.
2. Press and hold the button of the required group and "Brightness-" until the indicator and lights blink 3 times, this will unbind the group control.

FEATURES OF LIGHTING CONTROL USING THE DENKIRS SMART REMOTE CONTROL

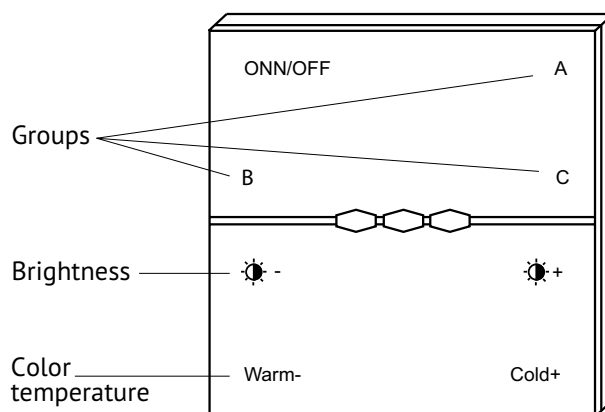
- **TO SWITCH BETWEEN CONTROL GROUPS YOU MUST PRESS THE GROUP BUTTON (A-B-C-D) ONCE.**
- **DIMMING AND COLOR TEMPERATURE CHANGE:**
By briefly pressing the button - step-by-step regulation.
When you press the button for a long time there is smooth regulation.
- **QUICK SCENE SWITCHING:**
Press the Scene button to select one of four preset scenes. Scenes: Night - Reading - Work - Rest.
- **SETTING THE NIGHT MODE**
A short press of the "night mode" button makes it possible to set the color temperature to 2700K and reduce the brightness to 5%.

REPLACING AND INSTALLING THE BATTERY:

1. Turn the remote control over to the back side. Slide the battery cover away from the remote until it releases from the remote body. Then take it off.
2. Remove the battery and insert a new one observing the indicated polarity.
3. Insert the cover into place and press until it clicks.

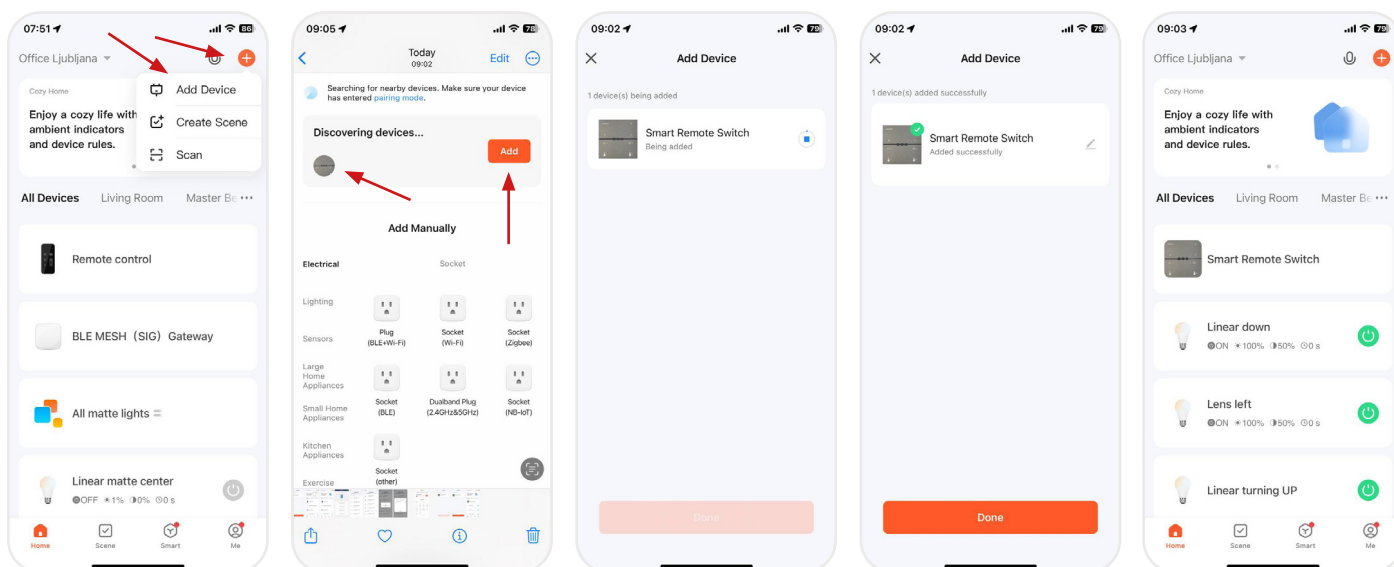
WALL CONTROL PANEL

Functions: On/off power, color temperature, brightness, control 3 groups of luminaires



CONNECTION WALL CONTROL PANEL FOR TUYA SMART APP:

1. Activate the Bluetooth function on your smartphone. Go to the Tuya SMART app and press + and **Add Device** from the main HOME screen
2. Press and hold two buttons together ("Brightness +" and "Brightness -") until the indicator light begins to flash (5-10 seconds). A blinking indicator means the panel is in pairing mode with the Tuya Smart app
3. After this the panel will appear in the list of detected devices. Click the Add button
4. Then the process of adding the panel to the application will begin (no more than 60 seconds).
5. After successful addition the Tuya Smart application will offer to rename the device. This can be useful if you plan to use multiple wall panels to control DENKIRS SMART lighting. Then click the Done button and the panel will be added to the list of devices on the main Home screen.



If the CONTROL PANEL cannot successfully connect within 60 seconds, the indicator will turn OFF. If the connection is successful - the indicator will turn ON for 2 seconds and then turn OFF.

DELETE CONNECTION WALL CONTROL PANEL FROM TUYA SMART APP:

- Click on the wall panel at the list of devices (**HOME** menu)
- Go to the panel settings menu (pencil icon)
- Click on the Remove **Device button**

FEATURES OF LIGHTING CONTROL USING THE DENKIRS SMART WALL PANEL

- To switch between control groups you should press the group button (A-B-C) once

DIMMING AND CHANGING COLOR TEMPERATURE:

- Select a group of lamps (press the group button (A-B-C) once).
- Short press of the button (Brightness or Color temperature) - step-by-step regulation.
- Long press the button (Brightness or Color temperature) - smooth regulation.

REPLACING AND INSTALLING THE BATTERY

To avoid damage to the equipment, all work must be carried out by a qualified specialist.

1. Turn over back side panel. Remove the cover.
2. If necessary, remove the battery and insert a new one, observing the indicated polarity.
3. Insert the cover into place and press until it clicks.
4. Check correct battery installation by turning on the panel by pressing the power button
5. If the indicator at the top of the panel lights up, the panel is turned on

PANEL INSTALLATION

The panel has a smooth back side and is lightweight. Therefore, the panel can be installed to the surface using double-sided tape.

The back cover has technological cutouts for installing the panel with screws to the surface.

1. Paste screws into these holes and screw the cover to the surface
2. Apply the panel to the cover and press until it clicks. The panel will be fixed