



LEDVANCE

CONNECTED TUBE SYSTEM USER GUIDE

OUR RELIABLE
WIRELESS SOLUTION
FOR PARKING AREAS



**DIRECT
EASY** 

EASY ON APP



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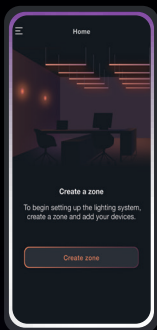
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QUICK START

CONTROL YOUR LIGHTS IN 3 STEPS



1. Create a Zone

Open the app and tap

'CREATE ZONE'

Give it a name (e.g., "Parking area").



2. Discover Devices

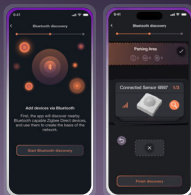
START BLUETOOTH DISCOVERY

Connected tubes and

Connected Sensors

Make sure devices are powered on

Stay within 10m.



3. Control Your Lights

Once devices are added, use the

DASHBOARD to turn lights ON/OFF,
dim, or create scenes.

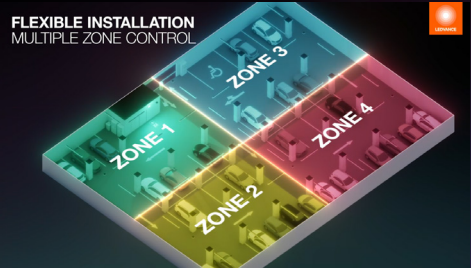
STEP 1: NAME YOUR ZONE

After tapping 'Create zone' on the welcome screen, you are directed to the Zone Naming screen. This step is essential for identifying and organizing your lighting network.

This screen allows you to assign a unique name to your Zone, making it easier to manage and distinguish between multiple Zones in the app.



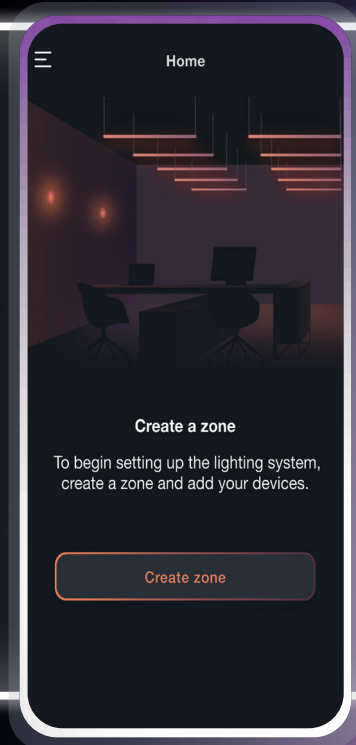
INTUITIVE APP
NO GATEWAY REQUIRED



INSTRUCTIONS:

1. Tap the **'Zone name'** field.
2. Use the on-screen keyboard to enter a name (e.g., Office West, Lobby, Zone A)
3. Once a valid name is entered, the **'Create Zone'** button becomes active.
4. Tap **'Create Zone'** to proceed.

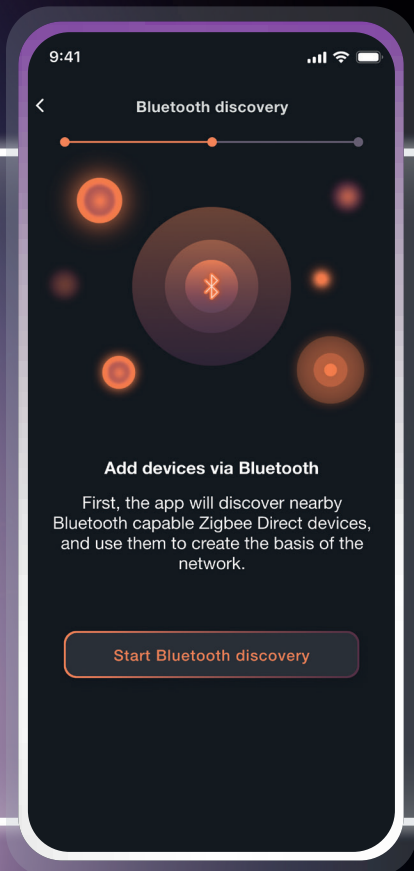
- ! What is a zone? The entire zones which will be created.
- Lighting plan must be first considered prior to installation



STEP 2:

DISCOVER NEARBY DEVICES VIA BLUETOOTH

Once a Zone has been named, the app proceeds to search for nearby devices using the smartphone's Bluetooth interface. This screen initiates the discovery of Bluetooth-capable Zigbee Direct devices within range. These devices will form the foundation of your lighting network.



INSTRUCTIONS:

1. Tap '**Start Bluetooth discovery**'.
2. Wait while the app scans for nearby devices.
3. Detected devices will appear on the next screen for selection and configuration.



The Bluetooth range is ca. 10 meters indoors. To discover additional devices move closer to the devices you want to commission.

STEP 3: VIEWING AND SELECTING DISCOVERED DEVICES

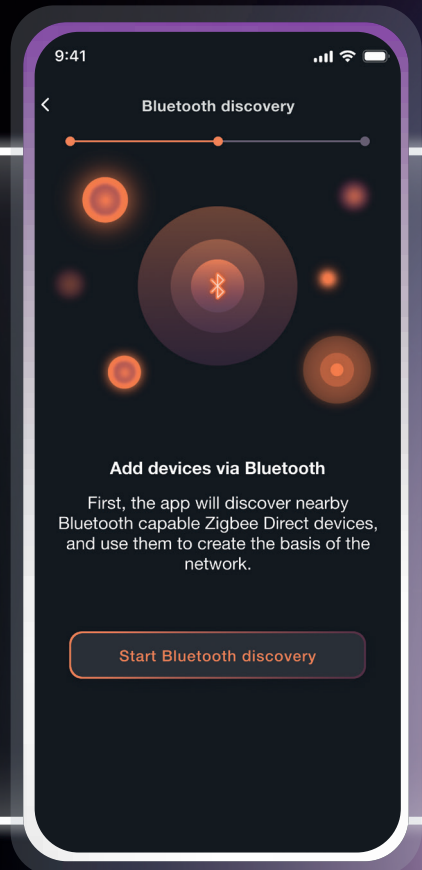
After initiating Bluetooth discovery, the app begins scanning nearby devices and displays them in real time as they are found.

This screen allows users to monitor the discovery process and select devices to include in the Zone.

INSTRUCTIONS:

1. Wait for nearby devices to appear in the list.
2. Devices are being shown in cards with name and signal strength.
3. If needed, tap '**Cancel discovery**' to stop the setup process.

! All devices added will be factory reset and can be commissioned by restarting the Zone/Network creation.

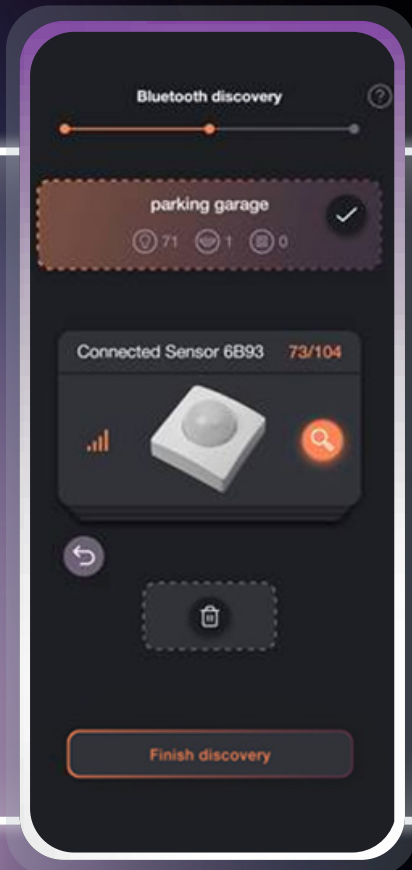


INFORMATION: UNDERSTANDING THE DEVICE CARD INTERFACE

As devices are discovered via Bluetooth, each one is presented as an interactive Card. This interface allows users to review, manage, and assign devices to the Zone with intuitive gestures.

EACH DEVICE CARD INCLUDES:

1. Device Name
2. Device Image
3. Bluetooth Signal Strength Icon
4. Blinking Indicator



INTERACTIVE GESTURES:

- **Swipe Up:** Adds the device to the current Zone/Network.
- **Swipe Down:** Sends the device to the trash can.
- **Back Button:** Reverts to the previous card.

STEP 4: ALLOCATE DEVICE TO ZONE

ADDING A DEVICE TO THE ZONE (SWIPE UP)

Once a device card is displayed, users can interact with it using intuitive gestures. Swiping up is the primary action for adding a device to the Zone.

SWIPE UP ACTION:

1. Gesture: Swipe the card upward
2. Result: The device is added to the Zone and categorized accordingly
3. Feedback: A checkmark appears next to the device name

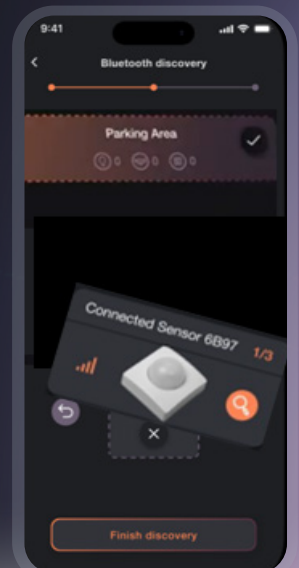


DISCARDING A DEVICE (SWIPE DOWN)

If a discovered device is not intended to be part of the current Zone, users can discard it using a simple swipe-down gesture.

SWIPE DOWN ACTION:

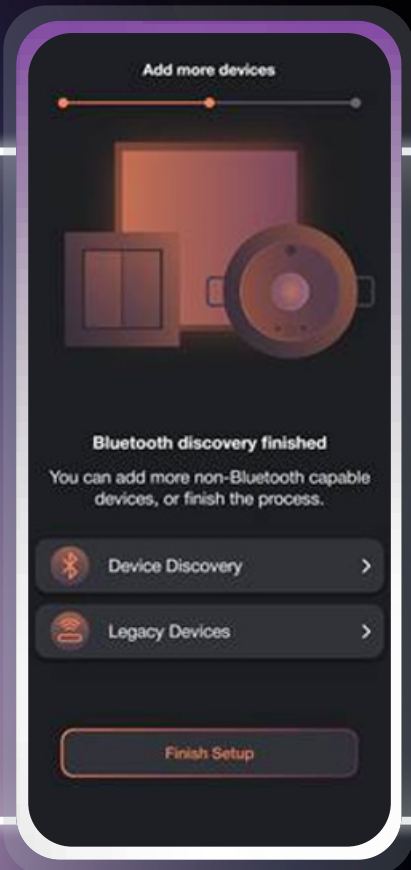
1. Gesture: Swipe the card downward
2. Result: The device is discarded and will not be added to the Zone
3. Feedback: The card disappears, and the next device is shown



STEP 4: ALLOCATE DEVICE TO ZONE

Legacy Devices are Zigbee 3.0 devices that can be seamlessly added to the lighting network using the app's discovery and swipe selection process. Interoperability depends on 3rd party Zigbee Standard implementation and shall be tested before installation.

I.E. CONNECTED TUBE PREVIOUS> GENERATIONS



STEP 4: ALLOCATE DEVICE TO ZONE

ADDING LEGACY DEVICES TO THE NETWORK

STEP-BY-STEP INSTRUCTIONS:

1. Start Discovery:

- Navigate to the "Add Devices screen".
- Select Zigbee Devices from the available options (Device Discovery, Legacy Devices, Switch Kinetic).
- The network will begin scanning for uncommissioned Zigbee 3.0 devices in the area.

2. Discovery Duration:

- The scan runs for approximately 1 minute.
- During this time, any nearby uncommissioned Zigbee 3.0 devices will attempt to join the network

3. Device Review:

- Once the scan is complete, the app displays joined devices.
- Each device appears as a card with relevant details

4. Swipe to Decide:

- Swipe Up: Keep the device in the network.
- Swipe Down: Remove the device from the network.
- ! (Devices swiped down will automatically perform a factory reset.)

5. Finish Discovery

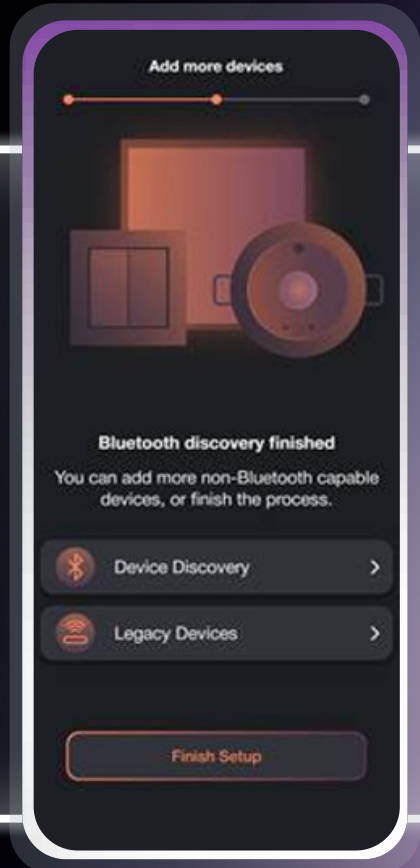
- Tap Finish discovery to complete the process and return to the main setup flow.



- ✓ Ensure Zigbee 3.0 devices are powered on and in pairing mode before starting discovery
- ✓ Keep devices within close range of the commissioning device for reliable detection.
- ✓ Use the swipe gestures carefully-swiping down will reset the device to factory settings.

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Interoperability depends on 3rd party Zigbee Standard implementation and shall be tested before installation.

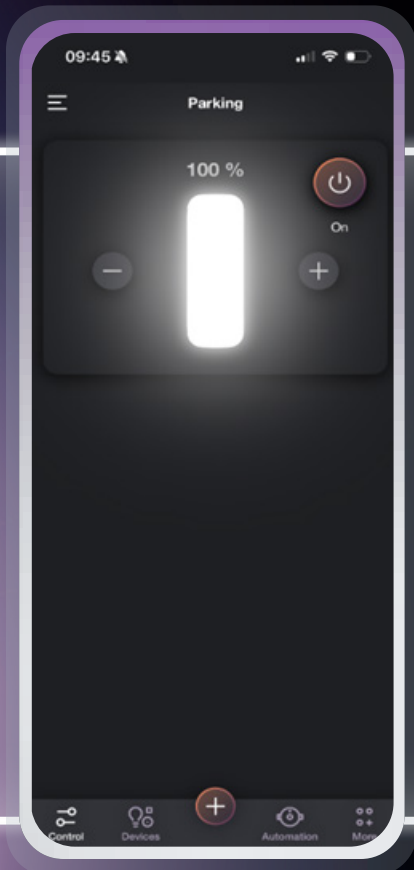


STEP 5: DASHBOARD AND CONTROL SCREEN

The Dashboard is the central hub for managing the lighting behavior of your entire Zone. It provides quick access to essential controls and advanced configuration options.

THIS SCREEN ALLOWS USERS TO:

1. Switch the entire Zone ON or OFF
2. Dim all connected devices
3. Create and manage Scenes and Groups



BOTTOM NAVIGATION TABS:

1. **Control:** Manage lighting behavior and presets
2. **Devices:** View and manage all connected devices
3. **Automation:** Configure sensor-based automation
4. **More:** Manage rename the Zone and reset the Zone

SENSOR CONFIGURATION AFTER NETWORK CREATION

Once the lighting network has been established and devices are assigned to a Zone, users can configure sensor behavior to automate lighting based on occupancy and daylight conditions.

OCCUPANCY SETTINGS

This screen allows users to define how the lighting system should respond to occupancy events within the Zone.

SCREEN OVERVIEW:

Zone Name: Displayed at the top (e.g., Parking area)

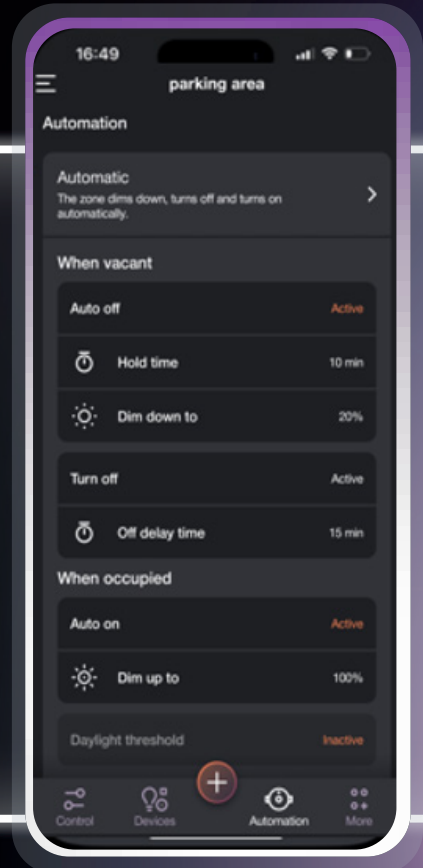
Automatic: The system dims, turns off/on lights automatically based on occupancy

Set up light control: When a sensor is added, a default configuration is automatically applied. This feature saves the user time by eliminating the need to configure each sensor individually when the default settings are suitable for most use cases.

Hold time: When the sensor detects no presence, the hold-time countdown starts and the lighting dims to the configured value

Turn off: When the sensor detects no presence, the hold-time countdown starts and the lighting dims to the configured value

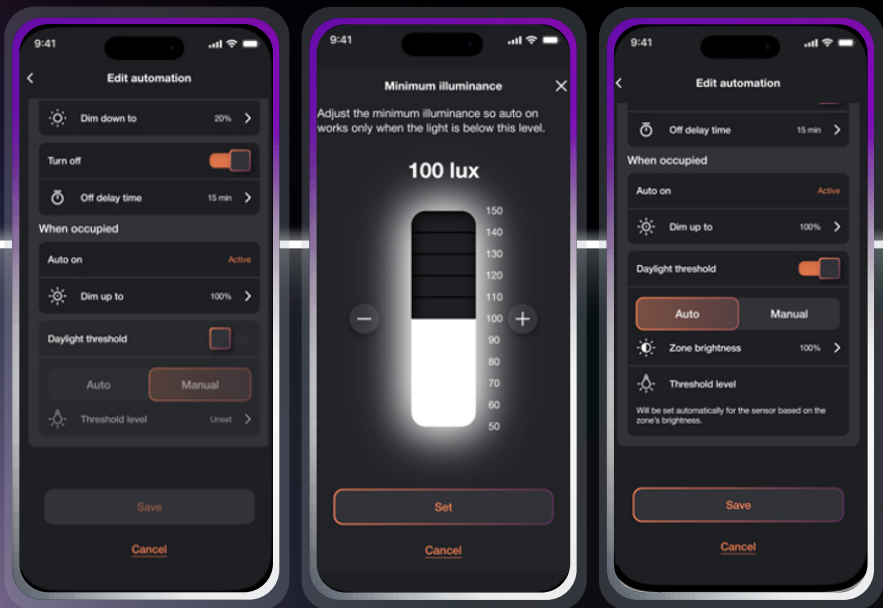
Auto on: Dim up to set up value. (60-100% of brightness)



SENSOR CONFIGURATION AFTER NETWORK CREATION

DAYLIGHT THRESHOLD

This screen allows users to define how the lighting system should respond to occupancy events within the Zone



- ✓ Daylight threshold can be set up Auto or Manual
- ✓ Manual: Adjust the minimum brightness so auto on works only when the light is below this level
- ✓ Auto: Will be set automatically for the sensor based on the zone's brightness
- ✓ **Please use this function only when the parking area has sufficient natural light. For underground parking and parking area with less natural light please do not use this function.**

RESETTING DEVICES

This chapter explains how to reset individual devices, which may be necessary during troubleshooting, reconfiguration, or handover to a new user.

RESETTING INDIVIDUAL DEVICES

You can reset a single device to factory settings if:

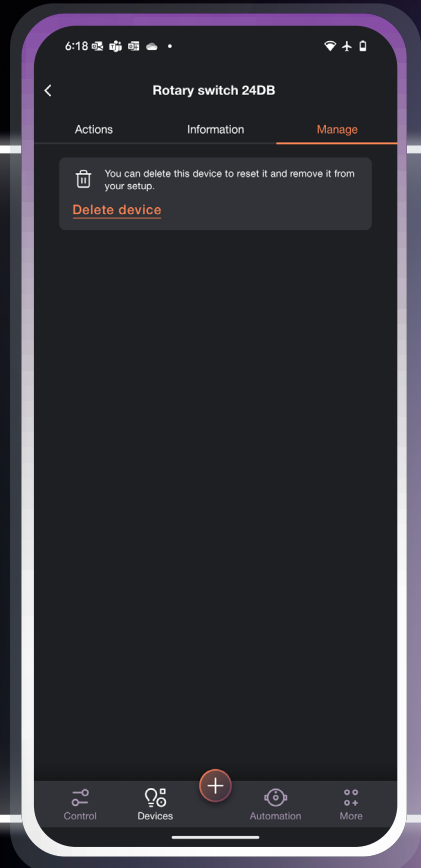
1. It is malfunctioning
2. Needs to be removed from the current Zone
3. Will be reassigned to a different Zone

STEPS

1. Navigate to the **'Devices tab'**.
2. Select the device you want to reset.
3. Tap **'Manage'**.
4. Choose **'Reset to Factory Defaults'**.
5. Confirm the action.

Resetting a device will remove it from the current Zone and erase all custom settings.

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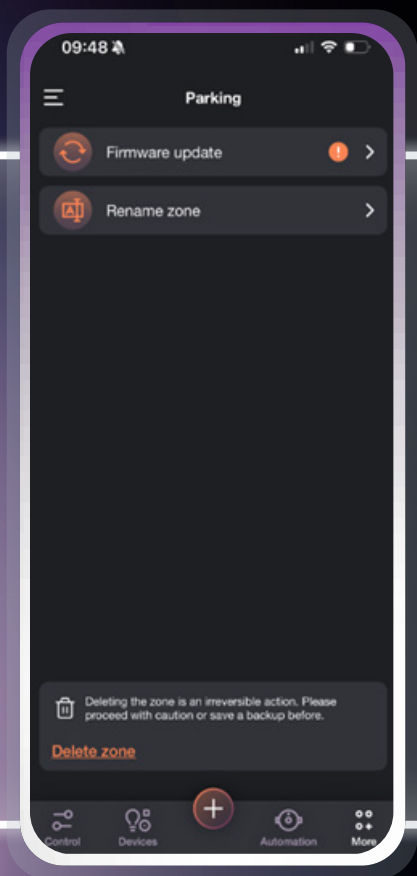
RESETTING THE ENTIRE ZONE / NETWORK

This chapter explains how to perform a full network reset, which may be necessary during troubleshooting, reconfiguration, or handover to a controller based network e.g. VIVARES ZIGBEE.

RESETTING THE ENTIRE ZONE / NETWORK

Use this option when:

1. You want to start fresh new configuration
2. The Zone is being decommissioned
3. All devices need to be re-paired



STEPS

1. Navigate to the 'More tab'.
2. Tap 'Delete Zone'.
3. Confirm the action.



This action will remove all devices, scenes, groups, and automation settings from the Zone.

IF SOMETHING DOESN'T WORK



COMMON ISSUES & FIXES:

— NO DEVICES FOUND?

- ✓ Check that lights are powered on.
- ✓ Enable Bluetooth on your phone.
- ✓ Move closer (within 10m).

— DEVICE WON'T ADD?

- ✓ Reset a specific device via 10 sec. button press, or
- ✓ Reset all devices connected to a circuit breaker via Power Cycle:
Off – 5sec. – On – 5 sec. (repeat 5 times).
- ✓ Restart the app and try again.

— APP CAN'T CONTROL LIGHTS?

- ✓ Make sure you're connected to the same Zone.
- ✓ Check if devices are still powered.
- ✓ Check if you are in Bluetooth range to the Zone.

DOWNLOAD DIRECT EASY APP



GLOSSARY

KNOW THE TERMS

TERM	WHAT IT MEANS
Zone	A group of lights in one room or area – often also referred to as “network”.
Daylight threshold	The light level (often measured in lux) at which a Connected switches light—e.g., Connected tube turning off when daylight is bright enough
Zigbee 3.0	A wireless communication standard for smart devices
Zigbee Direct	Your phone connects to the lights using Bluetooth, first, then adds them to the Zigbee 3.0 network - no extra gateway needed
Hold Time detected	How long Connected tubes stay on after no movement is detected.
Off Delay	How long before lights turns off completely
Factory Defaults (Reset)	Original settings when the device was new - device is in a discoverable state for commissioning



LEDVANCE

ABOUT LEDVANCE

With subsidiaries in more than 50 countries and business activities in over 140 countries, LEDVANCE is one of the world's leading companies in the field of general lighting for professional customers and end users. Emerging from OSRAM's general lighting division, LEDVANCE's portfolio includes a wide range of LED luminaires for a variety of applications, intelligent lighting products for smart homes and smart buildings, one of the most comprehensive offerings of advanced LED lamps in the lighting industry, and traditional lamps. Beyond lighting, LEDVANCE offers vertically integrated, renewable energy solutions for the building sector.

Together, the lighting division and the renewable energy division form a comprehensive ecosystem for residential, commercial, and industrial buildings.

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