

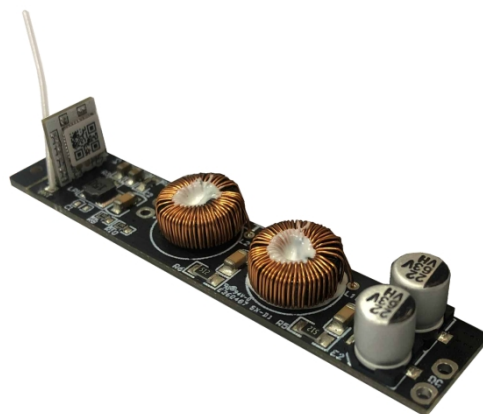
## Zigbee Tunable White LED Driver (Constant Current)

Especially for magnetic track & linear lamp

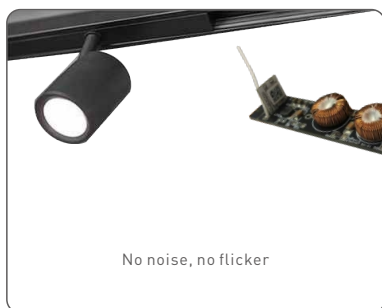
- Support control on iOS or Android devices
- No input polarity .
- DC to DC constant current output.
- Ultra-small size , suitable for STUCCHI standard housings .
- Magnetic installation is quiet without high-frequency sound .
- Smooth dimming curves without flicker .
- Short circuit, overload and anti-reverse protection.
- 5 year warranty.



**Flicker-free**  
IEEE 1789



CE RoHS

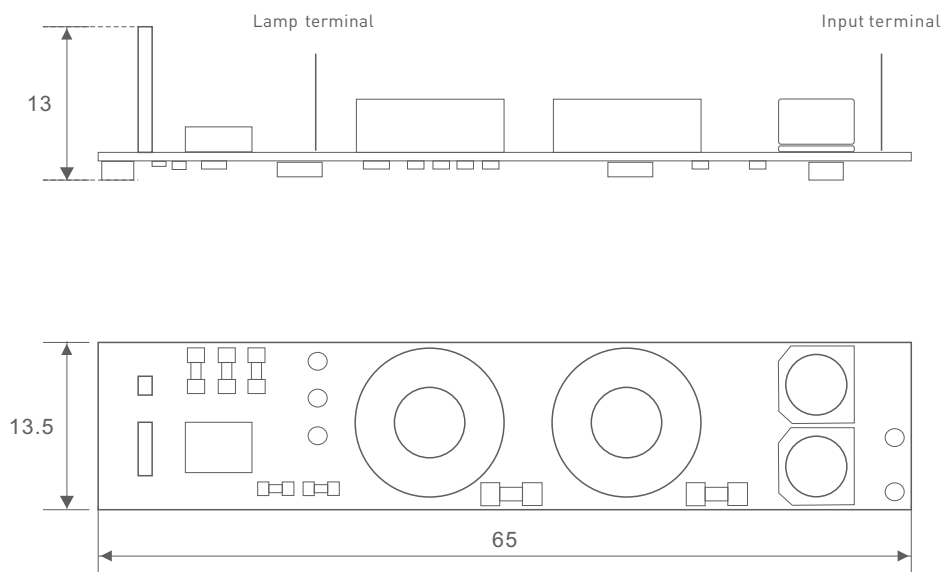


### Technical Specs

MODEL		TY-300-D2Z1	TY-600-D2Z1
OUTPUT	Output Voltage	10~42Vdc (Default is 36Vdc and it can be set to another voltage based on customers' lights.)	
	Output Current	100~300mA (Default is 300mA and it can be set to another voltage based on customers' lights.)	350~600mA (Default is 600mA and it can be set to another voltage based on customers' lights.)
	Output Power	1W~12.6W (Default is 12.6W)	3.5W~25.2W (Default is 25.2W)
	Current Accuracy	+15mA/-25mA	±5%
	Dimming Range	0~100%, down to 0.1%	
	Channel	2	
INPUT	Dimming Interface	Zigbee	
	Input Voltage	48Vdc±5% (No polarity)	
	Input Current	<0.28A	<0.57A
	Efficiency(Typ)	94%	92%
	Standby Power	<0.5W	
ENVIRONMENT	Working Temperature	ta: -30~55°C tc: 87°C	
	Working Humidity	20~95%RH, non-condensing	
	Storage Temperature	-40~80°C, 10~95%RH	
PROTECTION	Overload Protection	The load voltage is out of range and the current drops until the power is turned on again.	
	Short Circuit Protection	Close output and automatically recover once the fault is removed.	
	Input Anti -reverse Protection	No input polarity , able to output normally.	

## Dimensions

Unit:mm

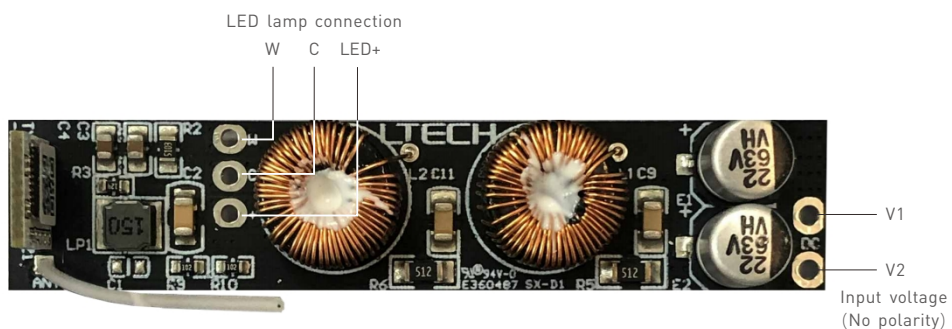


## Terminal Description

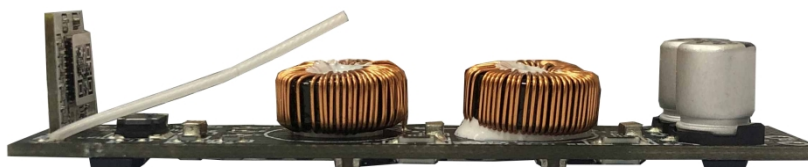
PCB board



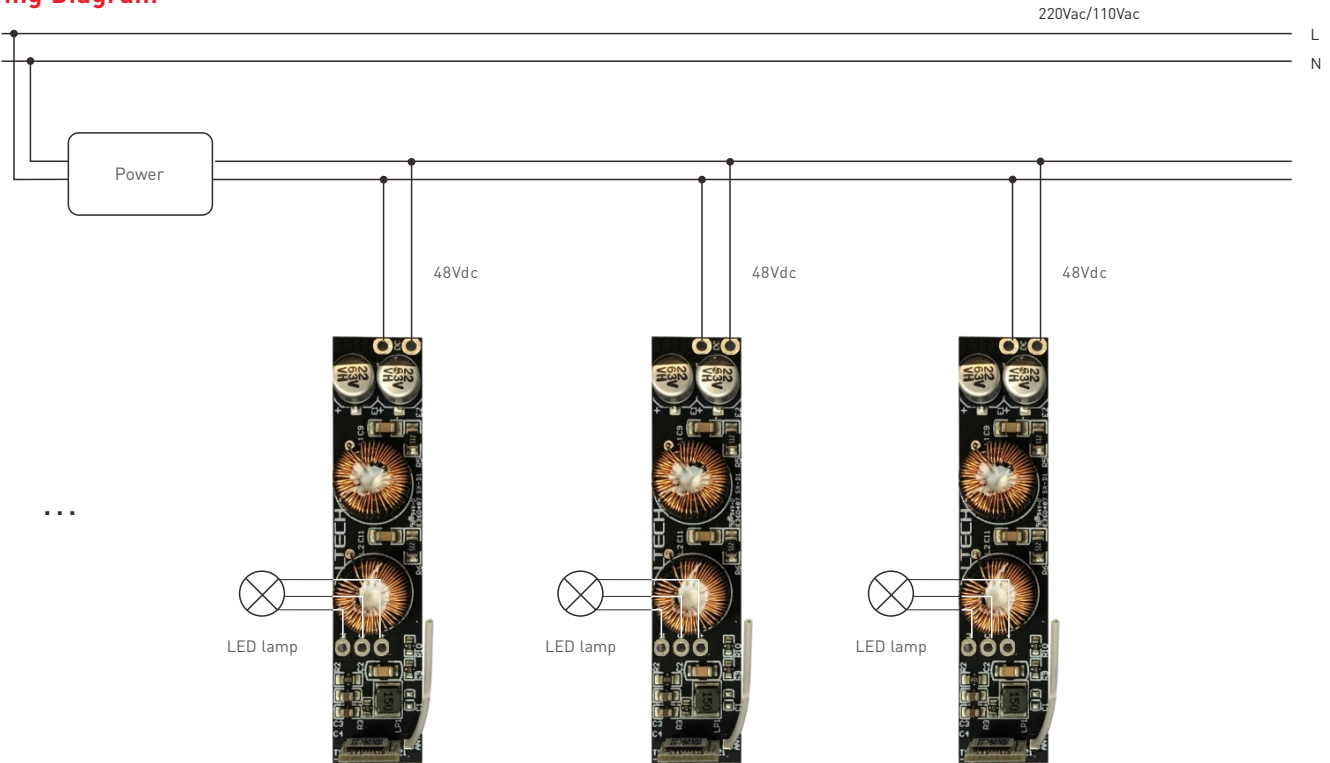
Main view



Side view



## Wiring Diagram



## App Operating Instructions

### 1. Register an account

Tuya Smart App is compatible with iOS and Android systems. Scan the QR code below with you mobile phone and follow the prompts to complete the app installation. After installation being completed, you can log in or register an account.

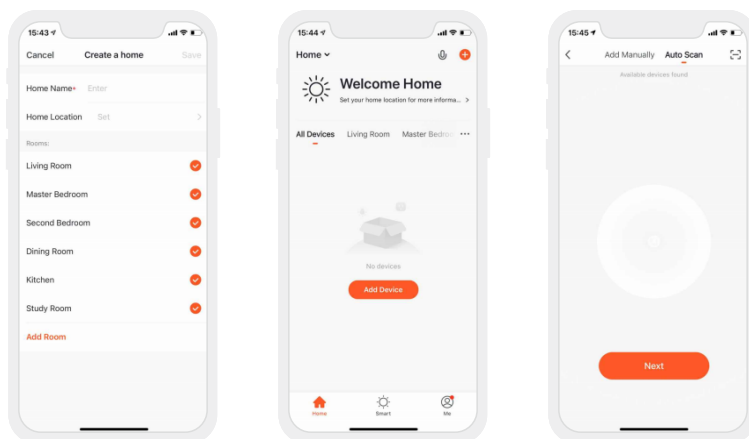
APP support



App download

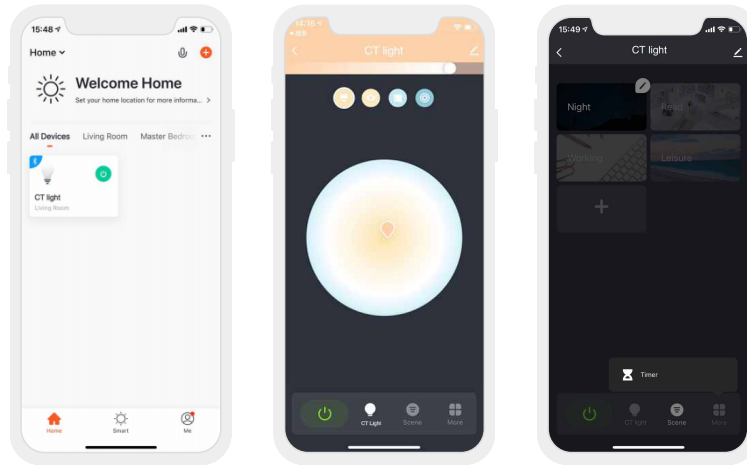
### 2. Paring instructions

A new user clicks "Me" → "Home Management" → "Create a home ", give a name to your home and confirm your home location. Then click "My Home" to add devices. After you enable appropriate permissions, click "+" icon → "Auto Scan" and the available Bluetooth/Wi-Fi/Zigbee/wired devices will be automatically found. Follow the prompts to add the device. (Please ensure that the device is ready for network connection).



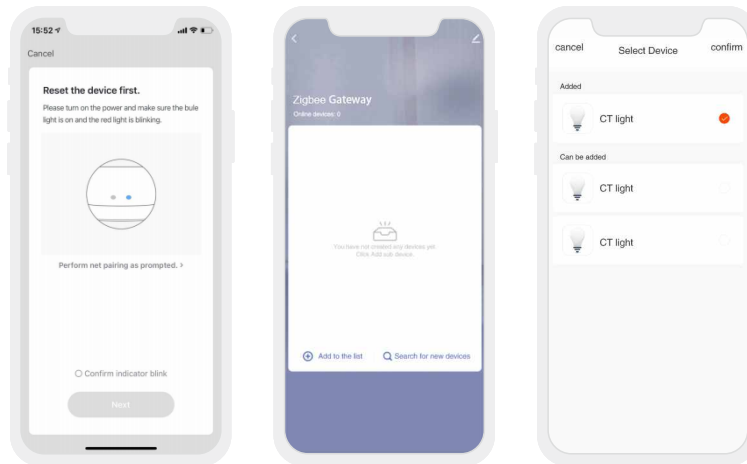
### 3. Lighting control settings

After pairing your device, click the device you add and adjust to your desired lighting status by brightness changing and color temperature adjustment. In "Settings", there are also lighting alarm clock (Tuya Zigbee Gateway needs to be added) and countdown functions.

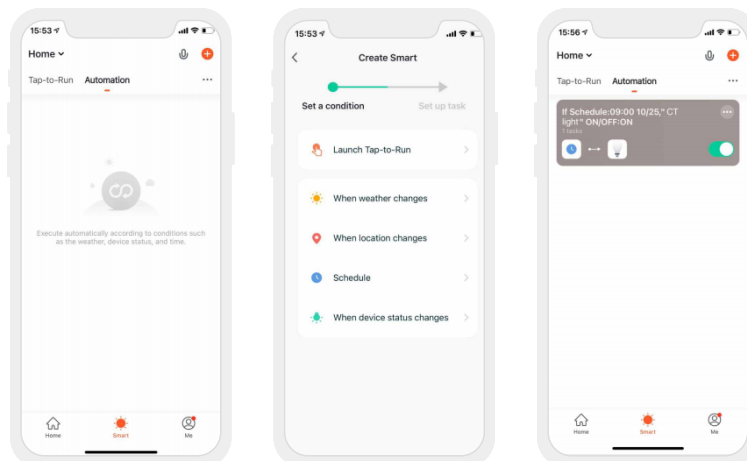


### 4. Remote control and automation

4.1 Remote control: Add a Tuya Zigbee Gateway by clicking "Auto Search", and follow the prompts to configure the gateway to the network. After configuring the network, access the gateway interface and click "Add to the list" or "Search for new devices" to add the device to the gateway, and then the device can be controlled remotely.

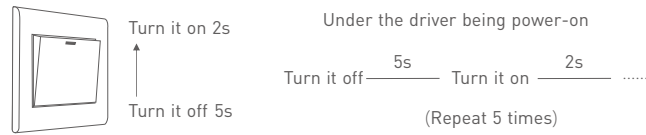


4.2 Automation settings: After adding the Tuya Zigbee Gateway, you'll be able to control the lighting remotely by clicking "Automation" in the "Smart" interface. Set trigger conditions like weather, location, timing and other device status to trigger the predefined lighting effects and achieve the lighting automation.



## Reset The Device (Reset to factory defaults)

When the driver is power-on, turn it off and after 5s turn it on. After 2s, turn it off again. Repeat the same operation 5 times and then turn on the driver again. When the lamp seems to be breathing, reset the device successfully.



## Packaging Specifications

Model	TY-300-D2Z1、TY-600-D2Z1
Carton Dimensions	29.7×22×11.7mm (L×W×H)
Quantity	240 PCS/Carton
Weight	0.008 kg/PC; 2.72 kg/Carton

## Packaging Image



Carton Packaging

## Transportation and Storage

### 1.Transportation

Products can be shipped via vehicles, boats and planes. During transportation, products should be protected from rain and sun. Please avoid severe shock and vibration during the loading and unloading process.

### 2.Storage

The storage conditions should comply with the Class I Environment Standards. The products that have been stored for more than six months are recommended to be re-inspected and can be used only after they have been qualified.

## Attentions

- This product must be installed and adjusted by a qualified professional.
- This product is non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.

\* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

## Warranty Agreement

- Warranty periods from the date of delivery : 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

## Update Log

Version	Updated Time	Update Content	Updated by
A0	2021.09.28	Original version.	Xu Shujun
A1	2022.06.01	Added "tc: 87 °C" to P1.	Xu Shujun