



TLMB34-Z-SC-EA-1C-OTA-3.0



TLMB34-Z-XX-EA-XX-OTA-3.0 is a module with ZigBee 3.0 protocol. It can be embedded on SC/ CT/ RGB build-in power supply of Magnetic LED Track lights. TLMB34-Z-XX-EA-XX-OTA-3.0 Module makes fixture compatible with ZigBee standard gateways/hubs like Philips Hue or other ZigBee 3.0 standard gateway. The Apple homekit also available to control this module by Philips Hue bridge.

It works with theorylight's ZigBee lighting control system to achieve long-distance controlling led lights by Mobile Phone, Tablet, PC, Touch Switch, Remote Control, Daylight Sensor and Motion Sensor.

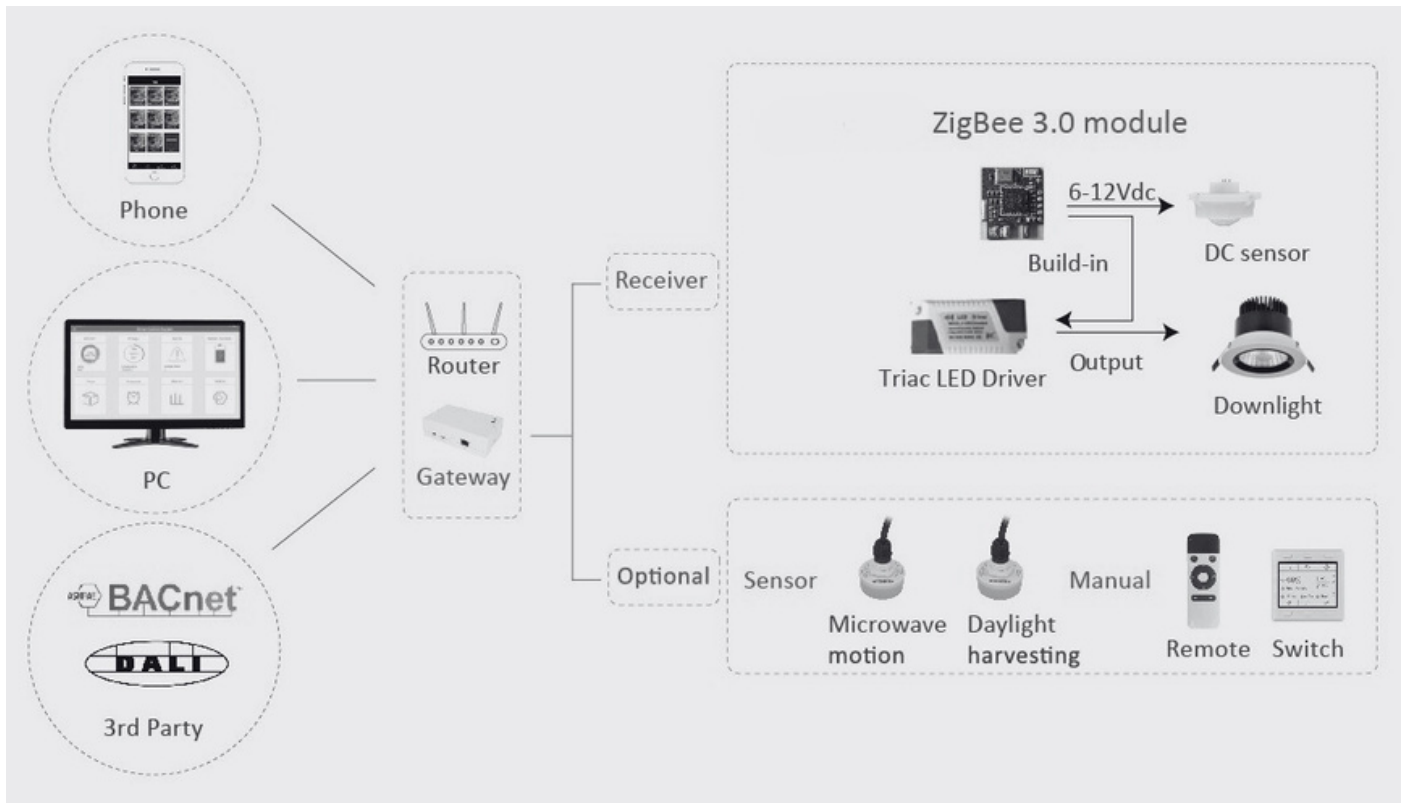
Part no.

TLMB34-Z-XX-EA-XX-OTA-3.0

TLMB34	project name/ index		
Z	ZigBee		
XX	dimming option	SC	single color
		CT	color temperature
		RGB	RGB 3 Channels
EA	external antenna		
XX	Channel option	1C	1-channel output
		2C	2-channel output
		3C	3- channel output
OTA	over the air upgrade		
3.0	ZigBee 3.0 protocol		

Parameter

Input Voltage	3.3.6V
Current	11mA(Peak current 180mA)
Frequency	2.4G
PA	19dBm
Control Range	30m
Working Temperature	-40°C to 105°C
PWM Frequency	4K, 15K, 20K



Software Operation

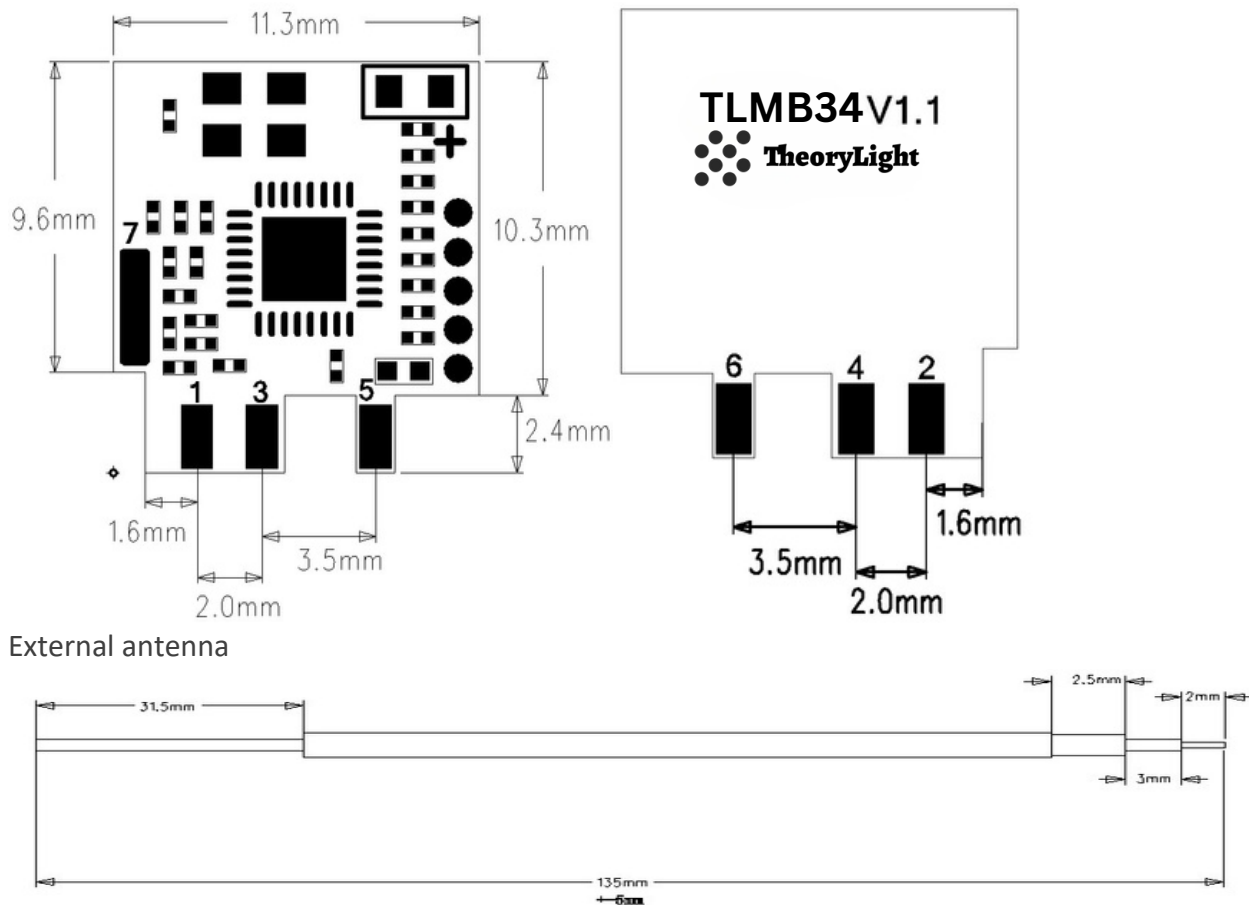
1. Initial states. When the ZigBee module is powered up, the LED of module will keep blinking.
2. First 30 minutes. The ZigBee module in initial state is searchable by the ZigBee gateway in the first 30 minutes after power up.
3. Choose a gateway. Power on the ZigBee gateway, open the App "theorylight Pro", select gateway from Settings/Add device.
4. Add device. Click "Search" button. The LED of module stops blinking and then stay ON after added.
5. Create a new area and add the ZigBee module into this area. On/off the bridge in this area.
6. Binding. Click "Binding Setting" on "Setting" page. Bind the ZigBee module with other device/group.
7. For more operating details please refer to user manual of gateway.

Initial States Setting

1. Soft reset: keep the device powered on and delete it on the "theorylight Pro" App. Or,
2. Hard reset: power off the device and wait for > 3 secs, power on and wait for < 3 secs, power off power on, power off power on, 4 times in total.
3. If reset is successful, the LED of bridge will keep blinking. All data of the device is cleaned up.

Dimension

Product



Pin Definition

DIP connection

Index	PIN	TLMB34-Z-SC-EA-1C-OTA-3.0	TLMB34-Z-CT-EA-1C-OTA-3.0	TLMB34-Z-RGB-EA-1C-OTA-3.0
1	ANT	Antenna	Antenna	Antenna
2	GND	Ground	Ground	Ground
4	C01	PWM output	Cool PWM output	R PWM output
3	C02	-	Warm PWM output	G PWM output
5	C05	-	-	B PWM output
6	VCC	VCC 3V-3.6V	VCC 3V-3.6V	VCC 3V-3.6V
7	-	Antenna ground	Antenna ground	Antenna ground

Installation

