



www.theorylight.com



Theorylight Series

TLSE50 Smart Sensor

(Microwave motion sensor + infrared illumination light sensor)



ZigBee network control



Motion Sensor



Infrared illumination light sensor



Theorylight Remote Control



Regional Groups



Dimming control



On/off control

CE

RoHS

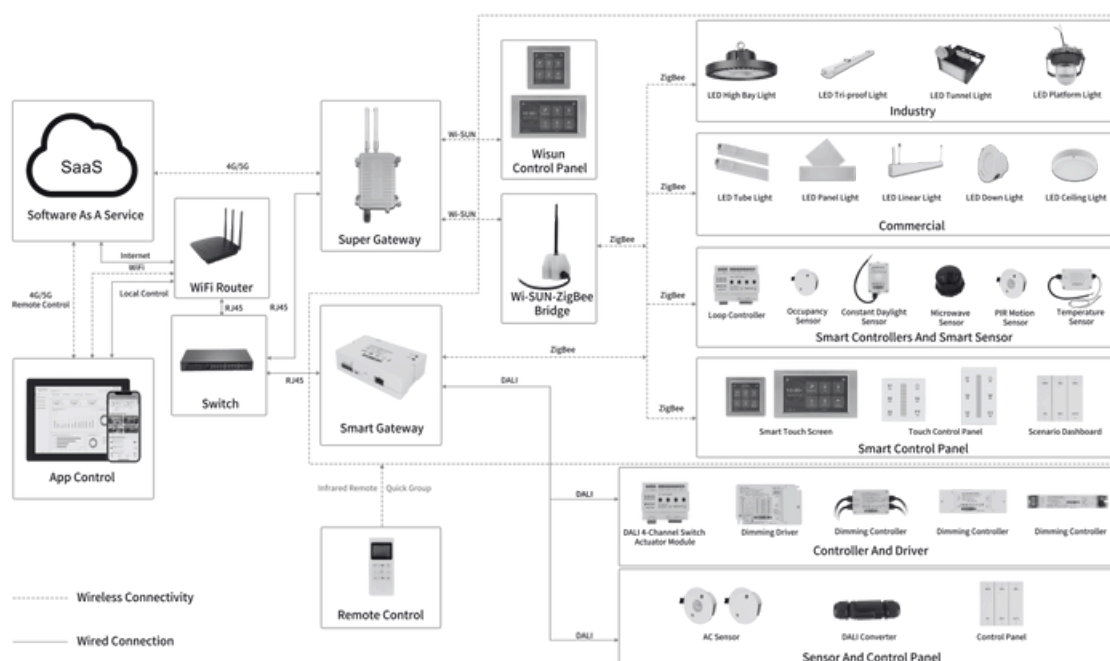
Application Scenario

- Warehouse
- Workshop
- Parking lot
- Shopping Mall
- School
- Corridor

Features

- TLSE50 is a mobile sensor that can be embedded in lamps.
- It can realize intelligent lighting function for lamps through built-in ZigBee module.
- Input 6Vdc.
- Output 5V PWM dimming signal.
- Support ZigBee 3.0 protocol.
- Controlled by infrared remote controller.
- 5.8G microwave induction.
- Infrared illumination light sensing.
- Support OTA upgrade.
- Communication distance up to 30 meters.

System Diagram



Product Parameters

Prod	Smard	Input	Outp	Infrared	Wireless	Maximu	Illumi
HSSE50-TLZ-MID-05P-OTA-3.0	MI Microwave Motion Sensor+	DC12V (power ripple requirement <400mV)	5V PWM	10m	30m	6m	0-600Lux

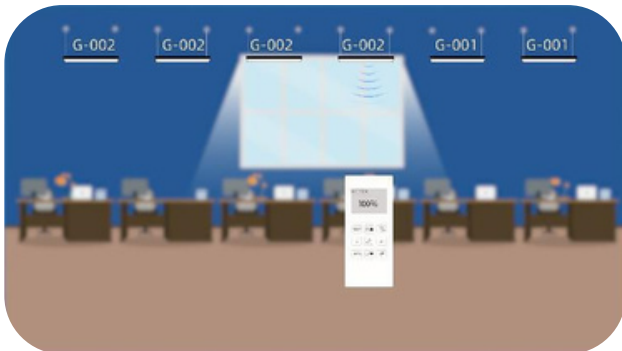
Packaging data

Prod net	net weight (g)	Gross Weight (g)	Packing size(mm)	Packaging
TLSE50-TLZ-MID-05P-OTA-3.0	\	\	\	\

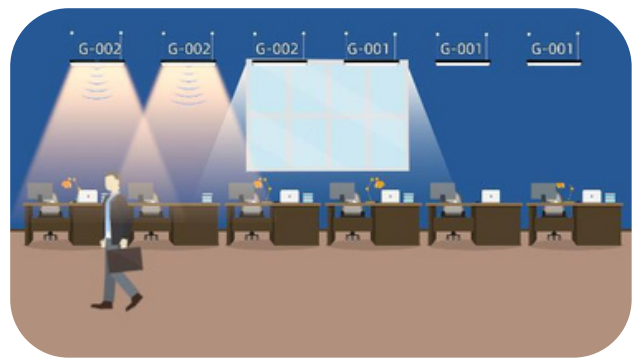
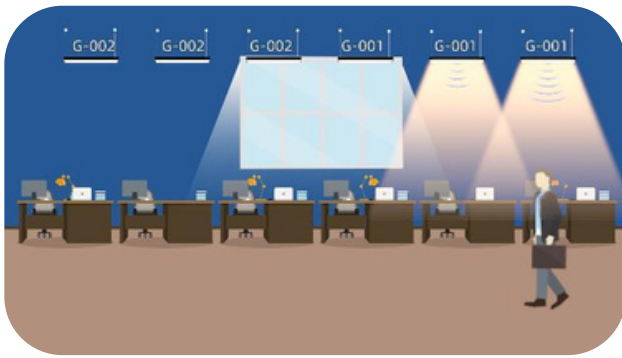
Set Operation

1. The sensor control needs to be used with our TLCD01 remote controller.
2. For detailed operation, please refer to the "TLCD01 Remote Controller Manual" Infrared illumination light sensor

Typical working scenarios



Technology's Theorylight smart sensor has built-in motion sensors and light sensors. Through the "Theorylight" remote control, you can realize group editing and parameter setting of devices. Using standard ZigBee technology, the Theorylight series of sensors have the natural advantages of long transmission distance, multiple channels, and automatic relay.



Users can use the Theorylight remote control to set the sensor parameters of the Theorylight sensor for groups or single lights with one click; they can also use the Theorylight remote control to adjust the brightness of single lights or groups. The Theorylight smart lamps work in conjunction with the motion sensor in the group, and the light sensor intelligently controls the switch of the lamps according to the ambient brightness.

Theorylight smart sensors are available in a variety of models, compatible with panel lights, linear lights, tri-proof lights, mining lights, and T8 tubes. They can be widely used in different scenarios such as offices, warehouses, factories, and parking lots.