



www.theorylight.com



Theorylight

Constant Daylight Sensor TLSD61



Zigbee Mesh
Network Control



Daylight Sensor



Theorylight
Remote Control



Zoning & Grouping



Dimming Control



ON/OFF

CE RoHS

APPLICATIONS

- Warehouse
- Sports Hall
- Workshop
- Exhibition Hall

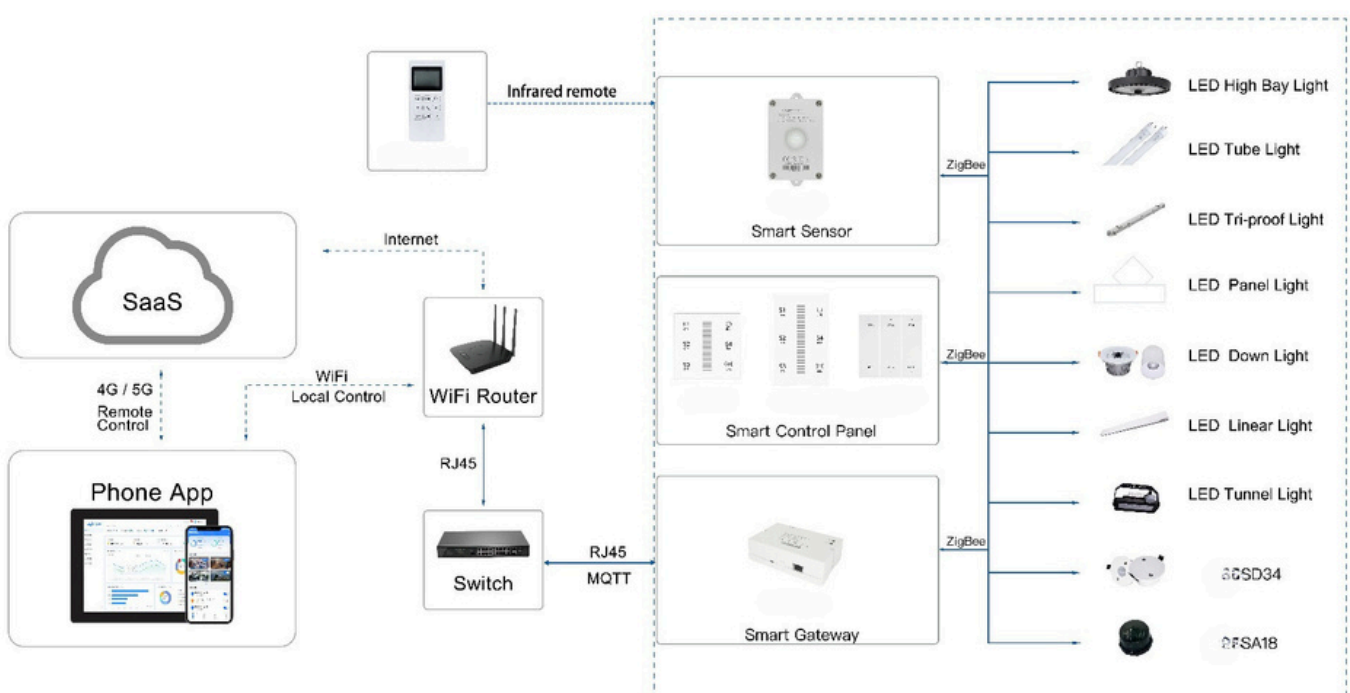


FEATURES

- Input voltage 100-277Vac.
- Wireless communication distance 30m.
- Support Constant Daylight Easy Grouping without Gateway via Theorylight Remote Control.
- Illuminance detection range 0-8000Lux
- ZigBee mesh network smart controls.
- Support OTA Upgrade.



SYSTEM DIAGRAM



Product Data

Protection class IEC	IP65
Warranty	5 Years Warranty
Certificate	CE, RoHS

Application Conditions

Operating Temperature	-20°C to 60 °C
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Mechanical and Housing

Structure Material	PC V0
Fixture Color	White

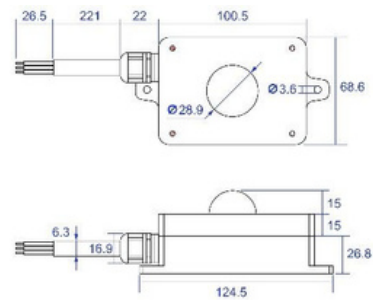
Pin definition

Wiring Harnesses		Description
AC In	L(brown)	Input AC100 ~277V Live line
	N(blue)	Input AC100 ~277V Neutral line

Operating and Electrical

Input voltage	100~277 Vac
Input Frequency	50/60Hz
Standby Power	0.8W
Surge Protection	Line to line 4KV
Isolation Voltage	3750V
Wireless Frequency	2.4G
Remote Control Distance	< 2.5m
Control Distance	10m

Drawing



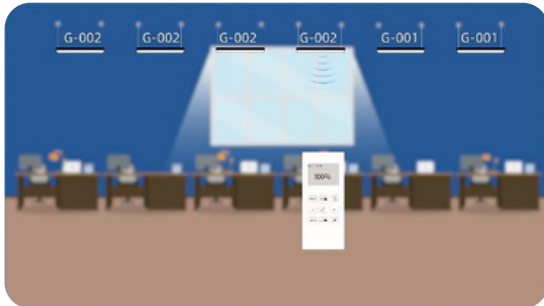
Product Parameter

Model Number	input voltage	Control Distance	Communication distance	Standby Current	Illumination range	Monitoring accuracy
TLSD61-TLZ-SC-WP-OTA-3.0	100-277Vac	10m	30m	0.8W	0-8000Lux	10Lux

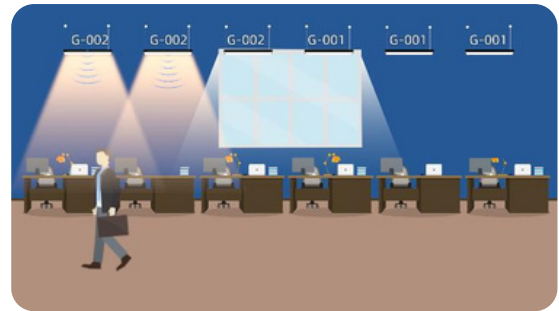
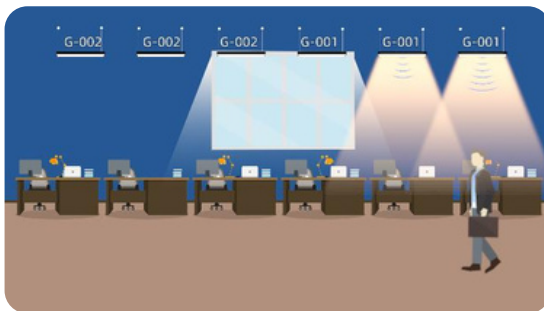
Package

Item.	Net Weight (g)	Gross Weight	Product Size (g)	Package size (mm)	Package (mm)
TLSD61-TLZ-SC-WP-OTA-3.0	155	1Pcs/Box	185	125*69*55	150x75x70

TYPICAL WORKING SCENARIOS



The “Theorylight” smart lamps are embedded with motion sensor and daylight sensor, using a “Theorylight” remote control, users can set grouping and parameters very fast and convenient. By adopting the standard ZigBee technology, “Theorylight” has the inborn advantages like long transmission distance, multiple channels and mesh network.



Users can set the sensor parameters of one group or individual lamp with one button, and change lamp brightness. In one group, the motion sensors work together to control these grouped lamps, and the daylight sensors control the individual lampson/off accordingto the ambient brightness.

The Theorylight serial include panel, linear light, tri-proof light, high bay light, LED tube. This kind of smart lamps can be used for industrial and commercial area, exampleoffices,warehouses,factories,parking and others.