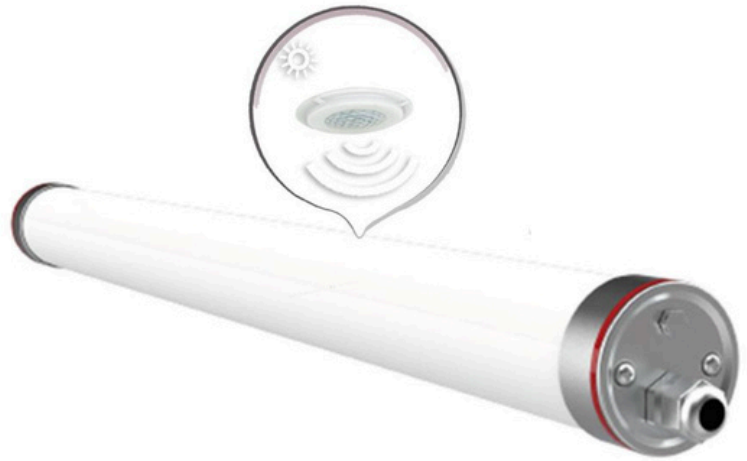




Theorylight

Tri-proof Light (TP-VC)

Up to 160lm/W | 40W



ZigBee Mesh
Network Control



Motion Sensor



Zoning & Grouping



Theorylight
Remote Control



Daylight Sensor



On/Off Control

CE

RoHS

Applications

- Parking Area
- Stairway
- M anufacture
- Warehouse
- Exhibition Hall

Features

- Daylight and Motion sensors embedded.
- ZigBee mesh network smart controls.
- Easy Grouping without Gateway via Theorylight Remote Control.
- Automatic ON/OFF or Dimming Functions with smart sensing (Daylight, Motion) maximum energy saving.
- Color Temperature options with 4000K, 5000K ,5700K or 6500K.
- Power Field available with power between 20W,36W,44W.
- Efficiency up to 160 lm/W.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.



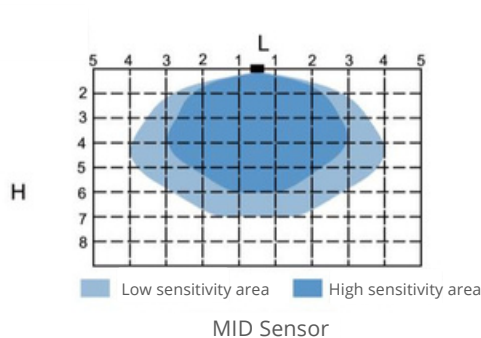
Smart Modules

-  ZigBeeModule
-  Microwave Motion Sensor Module
-  Infrared Daylight Sensor Module

Sensor Parameters

Sensing Angle	120°
Sensing Distance	6 m
Light Sensing Range	0~2000 Lux(Infrared Daylight)
Remote Control Distance	10 m

Sensing Angle



Product

Data

LED Type	Lumileds
Light Efficiency	130lm~160lm/W
CCT CRI	4000K / 5000K/5700K/ 6500K
LED Lifespan	80
Power Supply	>50000h
Type of Driver	Isolated
Driver	HOMA
Efficiency IEC	87%
Warranty	5 Years Warranty
Certificate	CE, RoHS

Application Conditions

Operating Temperature	-20°C to +50°C
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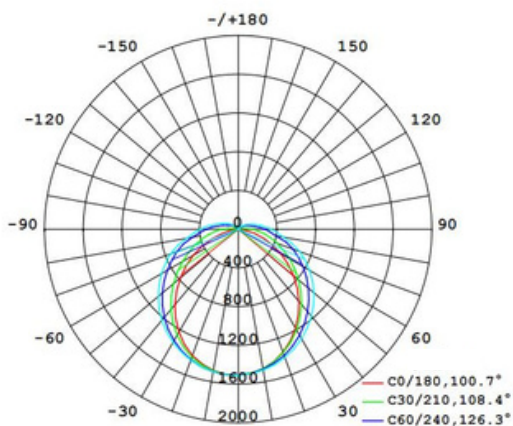
Approval and Application

Ingress protection code IP	IP69
Surge protection	4KV
Mech. impact protection code	IK08

Controls and Dimming

Dimmable	Dimmable
Intelligent Control	ZigBee / Dimming/ Infrared Daylight / Microwave Sensor

Light Distribution Curve



Operating and Electrical

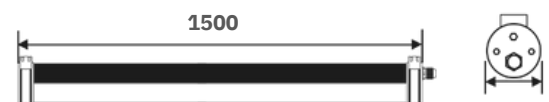
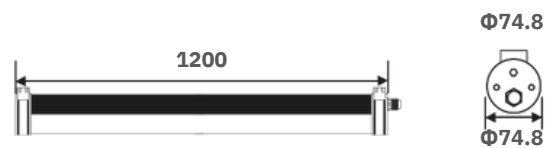
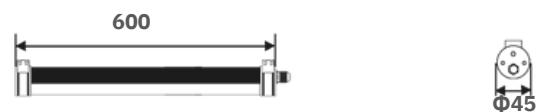
Input Voltage	200~240 Vac
Input Frequency	50/60Hz
Inrush Current	<20A
Power Factor	>0.95
THD	<10 %
Standby Power	<1W

Mechanical and Housing

Structure Material	Aluminum + Stainless Steel
Finish Material	PC
Lens Material	PC
Fixture Color	White
Mounting Option	Ceiling Mount

Drawing

Unit: mm



Product parameter

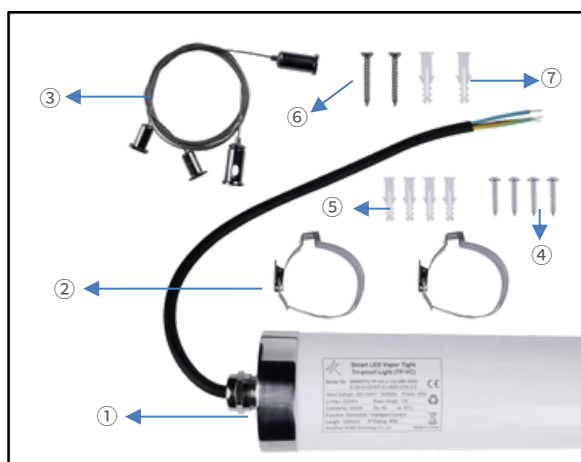
Model Number	Power Consumption (±10%)	Ra	Input Voltage	Light Efficiency	Luminous Flux (lm) (±10%)	Beam Angle	CCT	Sensor
TL12-TP-VC-L060-D045-XXX①-20W-E160-A140-XXX②-EU-OTA-3.0	20W	80	200-240Vac	160 lm/W	3200 lm	120°	4000K 5700K 5000K 6500K	MID=Microwave motion sensor + Infrared Daylight Sensor
TL12-TP-VC-L120-D045-XXX①-36W-E160-A140-XXX②-EU-OTA-3.0	36W			160 lm/W	5760 lm			
TL12-TP-VC-L120-XXX①-36W-E160-A140-XXX②-EU-OTA-3.0	36W			160 lm/W	5760 lm			
TL12-TP-VC-L150-XXX①-44W-E160-A140-XXX②-EU-OTA-3.0	44W			160 lm/W	7040 lm			

Package

Model Number	Luminaire Net Weight (kg)	Packing Info	Dimension (inner box) (mm)	Dimension (outer carton) (mm)	GW (Outer carton) (KG)	20ft GP (PCS)	40ft GP (PCS)	40 HQ (PCS)
TL12-TP-VC-L060-D045-XXX①-20W-E160-A140-XXX②-EU-OTA-3.0	0.53	25Pcs in 1 Carton	\	740*330*323	\	\	\	\
TL12-TP-VC-L120-D045-XXX①-36W-E160-A140-XXX②-EU-OTA-3.0	0.74	20Pcs in 1 Carton	\	1340*330*262	\	\	\	\
TL12-TP-VC-L120-XXX①-36W-E160-A140-XXX②-EU-OTA-3.0	1.8kg	9Pcs in 1 Carton	\	1300*305*285	21.12	2230	4301	5416
TL12-TP-VC-L150-XXX①-44W-E160-A140-XXX②-EU-OTA-3.0	\	\	\	\	\	\	\	\

Remark: -XXX① designates different Correlated Color Temperature, 40K = 4000K, 50K = 5000K, 65K = 6500K.
 -XX ② designates different Power Resource Terminals, DT= Dual Power Terminals, MT=Mono Terminal.
 -For the US version, the input voltage is 100-277Vac.

Standard Kit



Serial Number	Description	Quantity
①	LED Tri-pool Light	1
②	Stainless steel Buckle	2
③	Expansion screw	4
④	Expansion screw	4
⑤	Plastic expansion plug	4
⑥	Expansion screw	2
⑦	Plastic expansion plug	2

Accessories



Hang Rope



Tool-free non-slip
Buckle(Set of 2pcs)



Connector



End cap and Clips



CableConnector

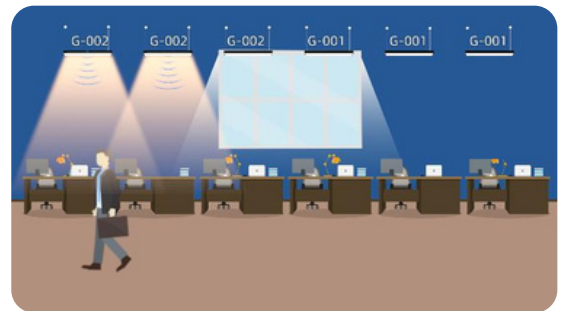
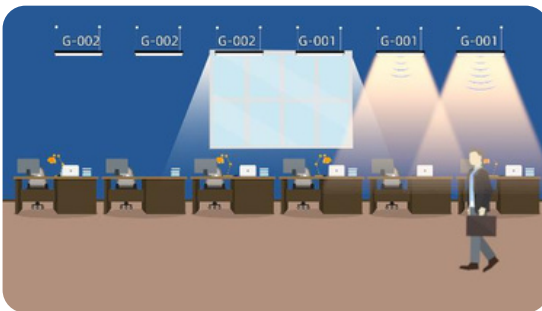


Screw buckle
(Set of 2pcs)

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, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices,warehouses,factories,parkingandothers.