



Theorylight Panel Light (VB)

125 lm/W | 40W



ZigBee Mesh
Network Control



Motion Sensor



Zoning & Grouping



Theorylight
Remote Control



Daylight Sensor



On/Off Control

CE RoHS

Applications

- | | | |
|--------|-----------------|---------------|
| Office | Hallway | Shopping Mall |
| School | Exhibition Hall | Wash Room |
| Hotel | Museum | Corridor |

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) for maximum energy saving
- Daylight harvesting automatically regulates
- Color Temperature options with 4000K, 5000K, 5700K or 6500K, default available in 5000K.
- Light Efficiency is 125lm/W .
- Prismatic Diffuser 50% less power consumption than traditional light sources.
- Lowest maintain cost



Smart Module



ZigBee Module



Microwave Motion or PIR Motion Sensor Module



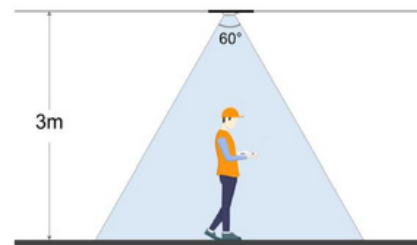
Infrared Daylight or Constant Daylight Sensor module



Sensor Parameters (PD Version)

Sensing Angle	60°
Sensing Distance	3 m
Light Sensing Range	0~8,000Lux (Daylight)
Remote Control Distance	10 m

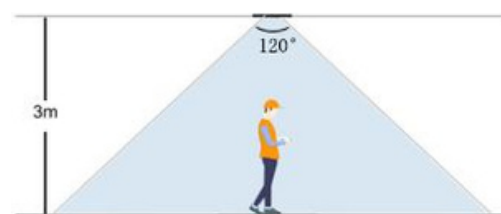
Sensing Angle (PD Version)



Sensor Parameters (MID Version)

Sensing Angle	120°
Sensing Distance	3 m
Light Sensing Range	0~2000 Lux (Infrared Daylight)
Remote Control Distance	10 m

Sensing Angle (MID Version)



Product data

Light efficiency	125lm/W
CCT	4000K / 5000K / 6500K
Ra	80
LED Lifespan	> 50000 h
Type of Driver	Isolated
Driver efficiency	87%
Warranty	5 Years Warranty
Certificate	CE, RoHS

Application Conditions

Operating Temperature	-20°C to +40°C
-----------------------	----------------

Mechanical and Housing

Structure Material	Aluminum frame + cold rolled plate
Finish Material	Powder coated
Lens Material	PS / PC Diffuser + PS / PC Prismatic
Housing Color	White
Mounting Option	Suspending / Recessed Mounted

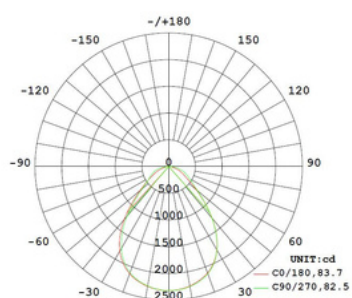
Approval and Application

Ingress protection code IP	IP20
Surge protection	4KV

Controls and Dimming

Dimmable	Dimmable
Intelligent Control	Zigbee / Dimming / Infrared Daylight or Constant Daylight / Microwave or PIR Motion Sensor

Light Distribution Curve

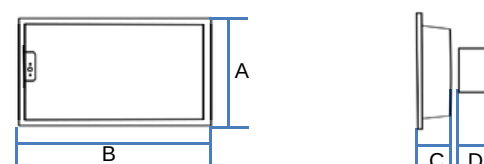


Average Beam Angle(50%) : 80 DEG

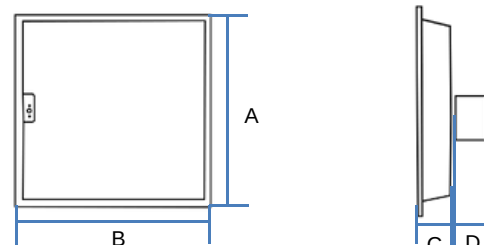
Operating and Electrical

Input voltage	200~240 Vac
Input Frequency	50/60Hz
Inrush current	<20A
Power Factor	>0.95
THD	<10 %

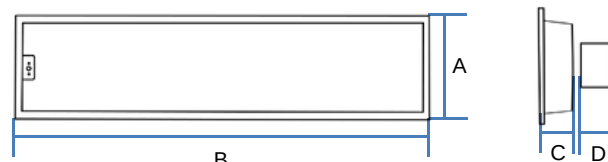
Drawing



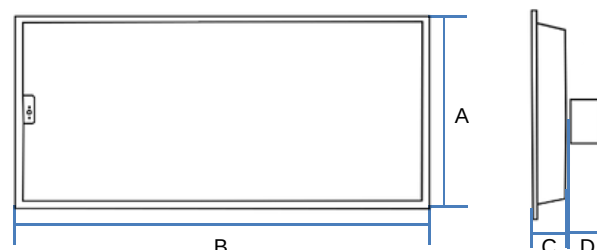
D205/D306



D505/D606



D211/D312



D511/D612

Size	A(mm)	B(mm)	C(mm)	D(mm)
D205	29	595	3	3
D306	5	600	2	2
D505	30	595	3	3
D606	0	600	2	2
D211	59	1195	3	3
D312	5	1200	2	2
D511	60	1195	3	3
D612	0	1200	2	2

Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input voltage	Light Efficiency	Size(L * W * H)	Beam Angle	Correlated Color Temperature	Sensor
TL13-PL-VB-D205-XXX①-24W-E125-A080-EU-XXX②- OTA-3.0	24W	80	200~240 Vac	125 lm/W	5000lm	80deg	4000 K 5000 K 5700 K 6500 K	PD: PIR motion sensor +Constant Daylight sensor MID: Microwave motion sensor + Infrared Daylight sensor
TL13-PL-VB-D306-XXX①-24W-E125-A080-EU-XXX②- OTA-3.0	24W							
TL13-PL-VB-D505-XXX①-40W-E125-A080-EU-XXX②- OTA-3.0	40W							
TL13-PL-VB-D606-XXX①-40W-E125-A080-EU-XXX②- OTA-3.0	40W							
TL13-PL-VB-D211-XXX①-40W-E125-A080-EU-XXX②- OTA-3.0	40W							
TL13-PL-VB-D312-XXX①-40W-E125-A080-EU-XXX②- OTA-3.0	40W							
TL13-PL-VB-D511-XXX①-70W-E125-A080-EU-XXX②- OTA-3.0	70W							
TL13-PL-VB-D612-XXX①-70W-E125-A080-EU-XXX②- OTA-3.0	70W							

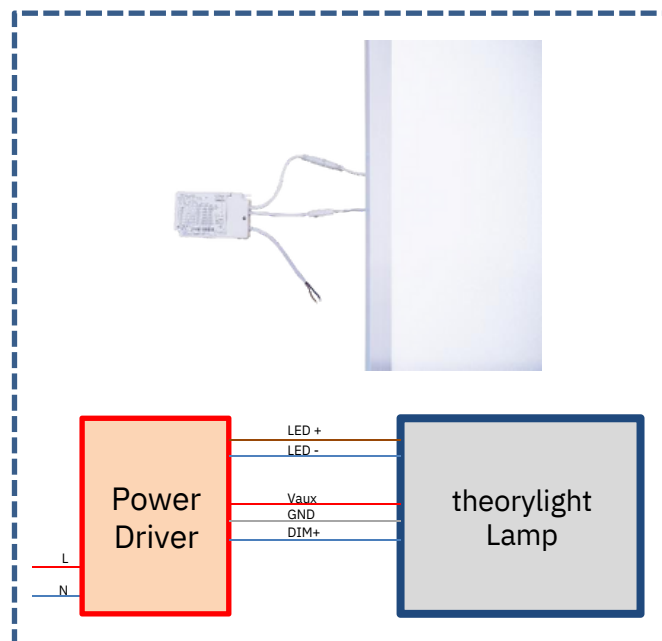
Remark:

- XXX① designates different CCT(Correlated Color Temperature), 40K = 4000K, 50K=5000K, 57K=5700K, 65K=6500K
- XXX ② designates different Smart Modules, MID = Microwave motion sensor + Infrared Daylight Sensor
PD= PIR Motion sensor + Constant Daylight Sensor.
- For the US version, the input voltage is 100~277Vac.

Package

Item.	Luminaire Net Weight	Packing Info	Dimmension (outer carton) (mm)	GW (Outer carton)	20ft GP	40ft GP	40 HQ
295X595(PD) 300X600(PD)	/	/	/	/	/	/	/
295X595(MID) 300X600(MID)	/	/	/	/	/	/	/
595X595(PD) 600X600(PD)	1.85kg	6 Pcs in 1 Carton	646x298x706	13.5kg	1141 Pcs	1399 Pcs	2779 Pcs
595X595(MID) 600X600(MID)	1.83kg	6 Pcs in 1 Carton	646x298x706	13.25kg	1141 Pcs	1399 Pcs	2779 Pcs
295X1195(PD) 300X1200(PD)	1.87kg	5Pcs in 1 Carton	1333x364x290	13.38kg	1205 Pcs	2345 Pcs	2935 Pcs
295X1195(MID) 300X1200(MID)	1.86kg	5 Pcs in 1 Carton	1333x364x290	13.33kg	1205 Pcs	2345 Pcs	2935 Pcs
595X1195(PD) 600X1200(PD)	/	/	/	/	/	/	/
595X1195(MID) 600X1200(MID)	/	/	/	/	/	/	/

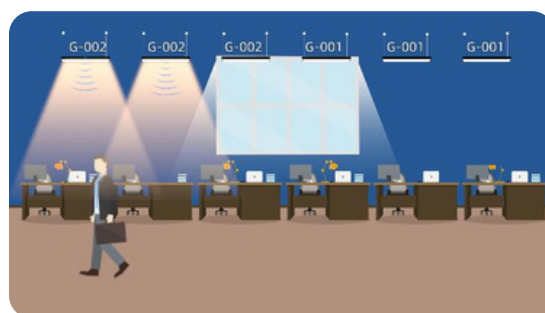
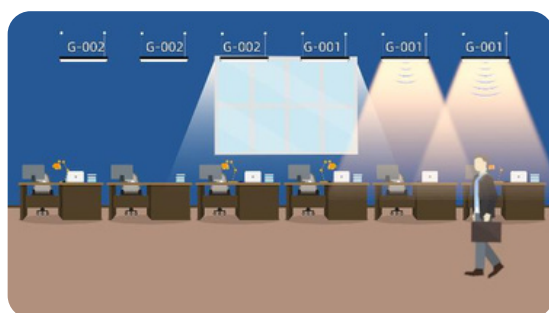
Wiring Diagram



Typical Working Scenarios



The “Theorylight” smart lamps of HOMA 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 lamps on/off according to 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, parking and others.