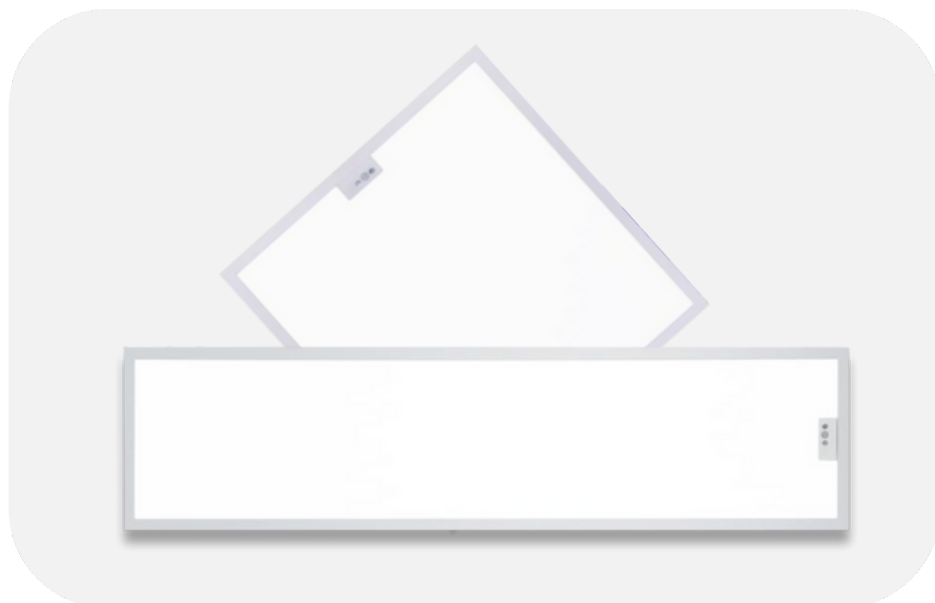




Theorylight

Panel Light (VC)

Up to 170lm/W | 30W



ZigBee Mesh
Network Control



Motion Sensor



Zoning & Grouping



Theorylight
Remote Control



Daylight Sensor



On/Off Control

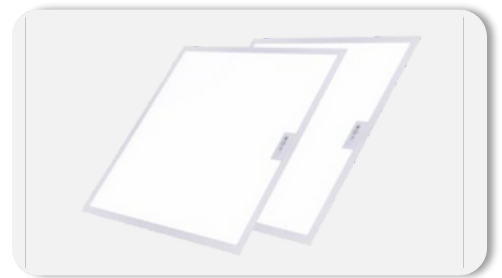
CE RoHS

Applications

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

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.
- Color Temperature options with 3000K, 4000K, 5000K, 5700K or 6500K.
- Efficiency up to 170 lm/W.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.



Smart Module



ZigBee Module



Microwave or PIR Motion Sensor Module

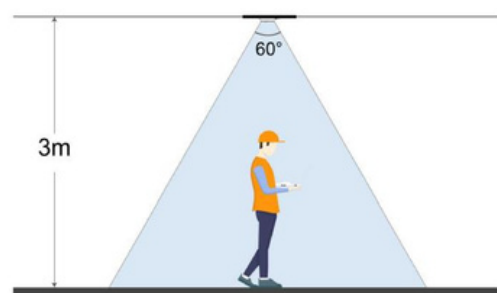


Infrared Daylight or Constant Daylight Sensor Module

Sensor Parameters (PD Version)

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

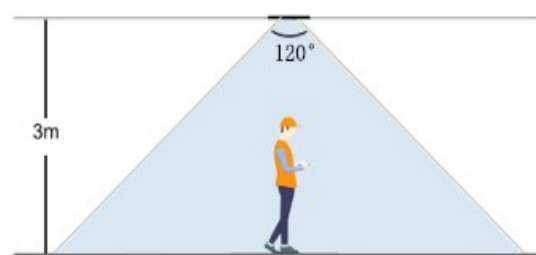
Sensing Angle (PD Version)



Sensor Parameters (MID Version)

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

Sensing Angle (MID Version)



Product Data

Light efficiency	Up to 170 lm/W
CCT	3000K/4000K/5000K/5700K/6500K
CRI	80
LED Lifespan	>50000h
Type of Driver	Non-Isolated
Driver efficiency	91%
Warranty	5Years Warranty
Certificate	CE, RoHS

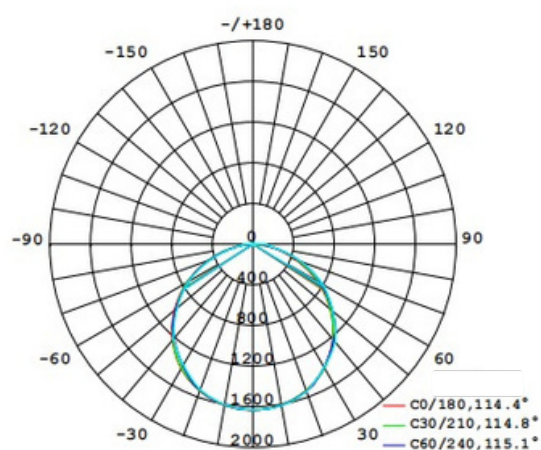
Application Conditions

Operating Temperature	-20°C to +40°C
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Approval and Application

Ingress protection code IP	IP20
Surge protection	3KV

Light Distribution Curve



Operating and Electrical

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

Mechanical and Housing

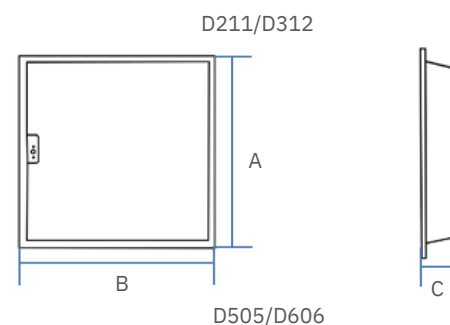
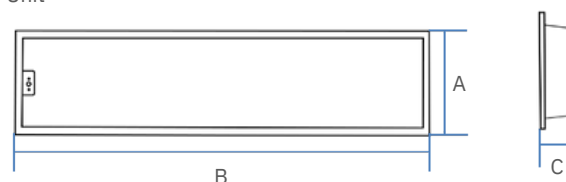
Structure Material	Aluminum frame + cold rolled plate
Finish Material	Powder coated
Lens Material	PS (standard) / PC (optional)
Housing Color	Matte white
Mounting Option	Suspending / Recessed Mounted

Controls and Dimming

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

Draw ing

Unit: mm



Size	A(mm)	B(mm)	C(mm)
D505	595	595	32
D606	600	600	32
D211	295	1195	32
D312	300	1200	32

Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input voltage	Light Efficiency	Luminous Flux (lm) (±10%)	Beam Angle	Correlated Color Temperature	Type of Driver
TL13-PL-VC-D505-XXX①-30W-EXXX②-A110-EU-XXX③-OTA-3.0	30W	80	200~240Vac	140lm/W 170lm/W	4200lm - 5100lm	110deg	3000K 4000K 5000K 5700K 6500K	Non-Isolated
TL13-PL-VC-D606-XXX①-30W-EXXX②-A110-EU-XXX③-OTA-3.0								
TL13-PL-VC-D211-XXX①-30W-EXXX②-A110-EU-XXX③-OTA-3.0								
TL13-PL-VC-D312-XXX①-30W-EXXX②-A110-EU-XXX③-OTA-3.0								

Remark : - XXX① designates different CCT(Correlated Color Temperature), 30K= 3000K, 40K = 4000K, 50K = 5000K, 57K=5700K, 65K = 6500K.

-XXX ② designates different Light Efficiency E140=140lm/W, E170=170lm/W.

-XXX③ designates different Smart Modules, MID = Microwave motion sensor + Infrared Daylight Sensor

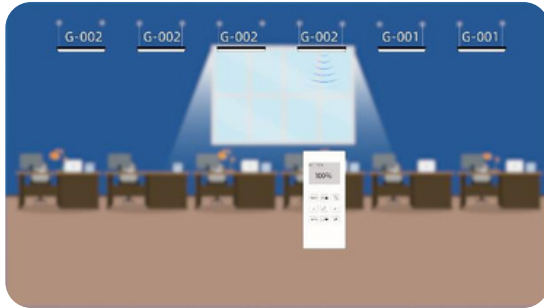
PD= PIR Motion sensor + Constant Daylight Sensor.

-For the US version, the input voltage is 100~277Vac.

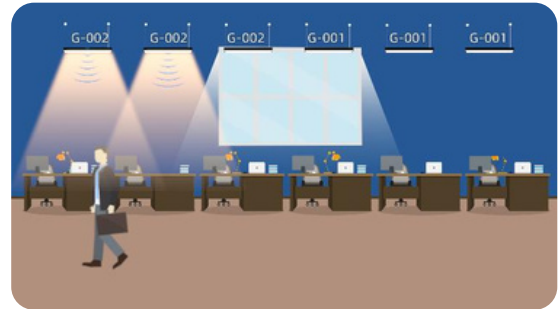
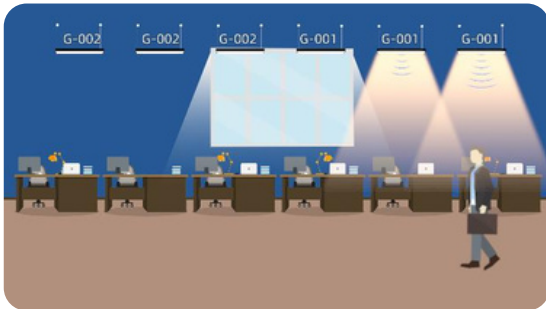
Package

Size (mm)	Luminaire Net Weight (kg)	Packing Info	Dimension (outer carton) (mm)	GW (Outer carton) (kg)	20ft GP	40ft GP	40 HQ
595X595(PD) 600X600(PD)	1.70	6 Pcs in 1 Carton	646x298x706	12.6	1141 PCS	1399 PCS	2779 PCS
595X595(MID) 600X600(MID)	1.70	6 Pcs in 1 Carton	646x298x706	12.6	1141 PCS	1399 PCS	2779 PCS
295X1195(PD) 300X1200(PD)	\	5Pcs in 1 Carton	1333x364x290	\	1205 Pcs	2345 Pcs	2935 Pcs
295X1195(MID) 300X1200(MID)	\	5Pcs in 1 Carton	1333x364x290	\	1205 Pcs	2345 Pcs	2935 Pcs

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.