TheoryLight

Theorylight

Platform Light(VA)

UP to140lm/W | 50W/70W

ZigBee Mesh Network Control

Motion Sensor

Zoning & Grouping

Theorylight Remote Control

Daylight Sensor

On/Off Control

CE RoHS

Email：sales@theorylight.com

Applications

- Station
- Factory
- Thermal Power Plant
- Gas Station
- Tunnel
- Oil Depot

Features

- Daylight and Motion Sensors .
- ZigBee mesh network smart controls.
- Easy Grouping without Gateway via Theorylight Remote Control.
- Automatic ON/OFF or Dimming(Daylight, Motion) for maximum energy saving.
- Functions with smart sensing
- Color Temperature options with 3000K, 4000K, 5000K, 5700K or 6500K.
- Power Field available with power between 50W,70W.
- Efficiency up to 140Lm/W.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.

Smart Modules

ZigBee Module

Microwave Sensor Module

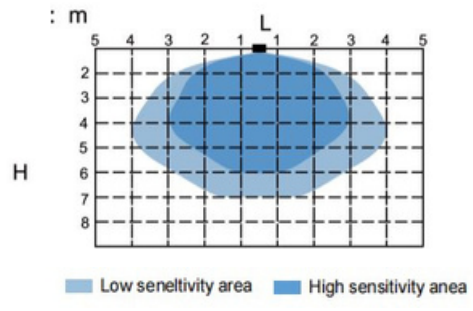
Infrared Daylight Sensor Module

Sensor Parameters(MID)

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

Sensing Angle（MID）

until



MID Sensor

Product Data

Light efficiency	140 lm/W
CCT	3000K/4000K/5000K/5700K/6500K
CRI	80
LED Lifespan	＞50000h
Power Supply	Non-Isolated
Driver efficiency	91%
Warranty	5Years Warranty
Certificate	CE, RoHS

Operating and Electrical

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

Application Conditions

Operating Temperature	-20℃ — 40℃

Mechanical and Housing

Structure Material	AL
Finish Material	Powder Coating
Lens Material	Glass
Fixture Color	Matte Gray
Mounting Option	Chain-mounted/Ceiling-mounted/ Flange-mounted/ Bent-rod mounted /Rod-mounted/Wall-mounted

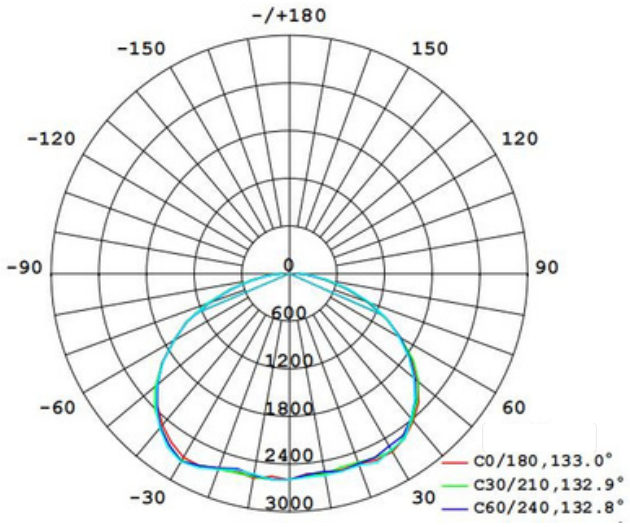
Approval and Application

Ingress protection code IP	IP65
Surge protection	3KV

Controls and Dimming

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

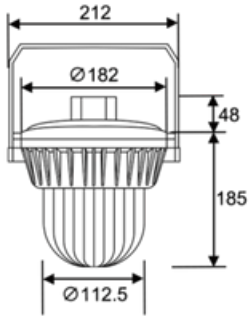
Light Distribution Curve



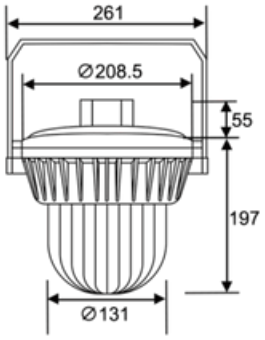
Average Beam Angle (50%): 140DEG

Drawing

Until：mm



50W



70W

Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input Voltage	Light Efficiency	Luminous Flux (lm) (±10%)	Beam Angle	CCT	Sensor
TLPL29-PF-VA-D182-XXX①-50W-E140-A140-EU-MID-OTA-3.0	50W	80	200~240Vac	140lm/W	7000lm	140deg	3000K 4000K 5000K 5700K 6500K	MID=Microwave motion sensor + Infrared Daylight Sensor
TLPL29-PF-VA-D208-XXX①-70W-E140-A140-EU-MID-OTA-3.0	70W				9800lm			

Remark：-XXX①designates different Correlated Color Temperature, 30K=3000K, 40K = 4000K, 50K= 5000K, 57K=5700K, 65K = 6500K。
-For the US version, the input voltage is 100~277Vac.

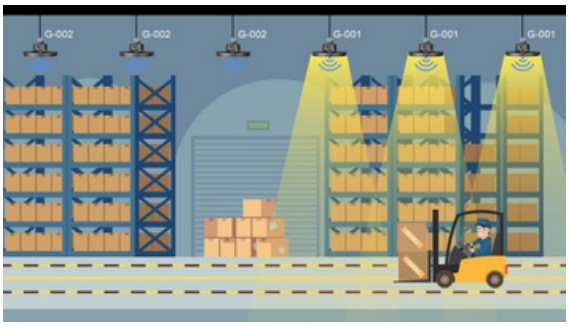
Package

Model Number	Luminaire Net Weight (kg)	Packing Info	Dimension (outer carton) (mm)	GW (Outer carton) (KG)	20ft GP (PCS)	40ft GP (PCS)	40 HQ (PCS)
TLPL29-PF-VA-D182-XXX①-50W-E140-A140-EU-MID-OTA-3.0	\	\	\	\	\	\	\
TLPL29-PF-VA-D208-XXX①-70W-E140-A140-EU-MID-OTA-3.0	\	\	\	\	\	\	\

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.



Userscansetthe sensorparametersof one group or individual lampwithone button, and changelamp brightness.In one group, the motion sensorswork together to control these grouped lamps, and the daylight sensors control the individual lampson/off accordingto the ambient brightness.

The magicwandserialinclude panel, linearlight, tri-proof light, high bay, LED tube. This kind of smartlampscanbe usedfor industrial and commercialarea, exampleoffices,warehouses,factories,parking and others.