TheoryLight

Theorylight

High Bay Light-VB

Up to190lm/W|100W/150W/200W

ZigBee Mesh Network Control

Motion Sensor

Zoning & Grouping

Theorylight Remote Control

Daylight Sensor

On/Off

CE RoHS

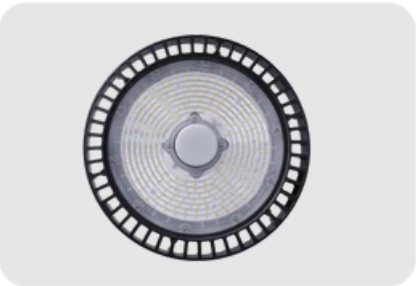
Email: sales@theorylight.com

Applications

- Warehouse
- Sports Hall
- Workshop
- Exhibition Hall

Features

- ZigBee mesh network smart controls. Daylight and Motion Sensors .
- 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 4000K, 5000K or 6500K，default
- available in 5000K.
- PowerFieldavailablewithpowerbetween100W,150Wand200W.
- Efficiency up to 190Lm/W.
- Coolingfinsasheatsinkwithdiecasting.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.



Smart Modules

ZigBee Module

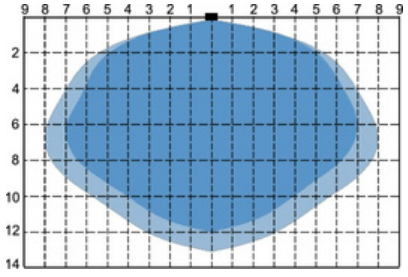
Microwave Sensor Module

Infrared Daylight Sensor Module

Sensing Parameters

Sensing Angle	120°
Sensing Distance	12 m
Light Sensing Range	0~2000 Lux (Infrared Daylight)
Remote Control Distance	15m

Sensing Angle



Low sensitivity area High sensitivity area

TheoryLight

www.theorylight.com

Product Data

LED Type Light efficiency CCT CRI

LED Lifespan Power Supply Type of Driver Driver efficiency Protection class IEC Warranty Certificate

Application Conditions

Lumileds 150lm/W, 170lm/W, 190lm/W 4000K/5000K/6500K 80 >50,000h SOSEN / MOSO Non-isolated 94% IP65 5 Years Warranty CE, RoHS

Operating Temperature	-30℃ ~ 50℃

Operating and Electrical

Input Voltage	200-240Vac/100-277Vac
Input Frequency	50/60Hz
Inrush Current	12A
Power Factor	≥ 0.95
THD	<10%

Mechanical and Housing

Structure Material	Die-cast aluminum
Finish Material	Powder coated
Lens Material	Polycarbonate
Fixture Color	Matte Black
Mouting Option	Suspending / Ceiling Mounting/ Wall Mounting

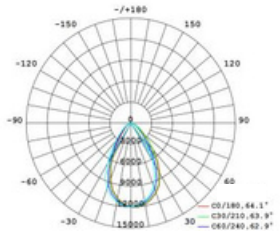
Approval and Application

Ingress protection code	IP65
Mech. impact protection code	6KV
Surge protection	IK08

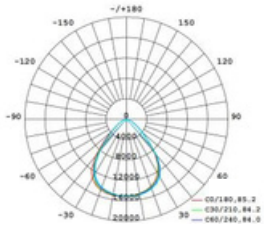
Controls and Dimming

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

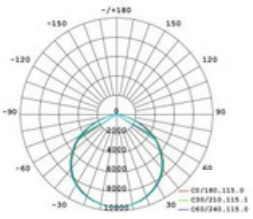
Light Distribution Curve



Average Beam Angle(50%):60 Deg



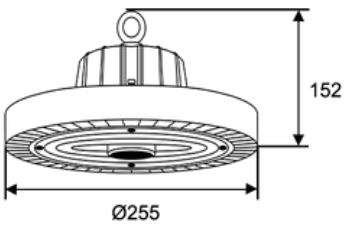
Average Beam Angle(50%):90 Deg



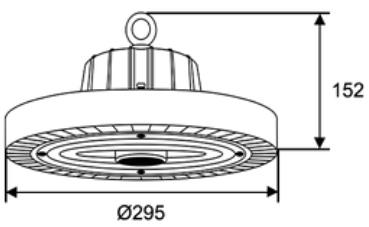
Average Beam Angle(50%):120 Deg

Draw ing

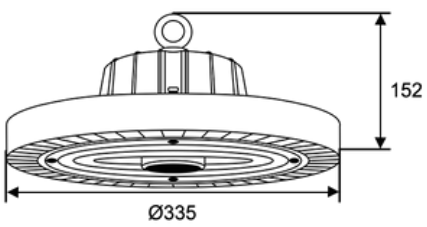
Until： mm



100W



150W



200W

Email： sales@theorylight.com

Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input voltage	Light Efficiency	Luminous Flux (lm)(±10%)	Beam Angle	CCT	Sensor Driver Type
TLHWD10-HB-VB-D025-XXX①-100W-E150-AXXX②-EU-MID-OTA- 3.0	100W	80	220-240Vac 100-277Vac	150lm/W	15000 lm	60° 90° 120°	4000K 5000K 5700K 6500K	MID=Microwave motion sensor + Infrared Daylight Sensor
TLHWD10-HB-VB-D025-XXX①-150W-E150-AXXX②-EU-MID-OTA-3.0	150W				22,500lm			
TLHWD10-HB-VB-D025-XXX①-200W-E150-AXXX②-EU-MID-OTA-3.0	200W				30,000lm			
TLHWD10-HB-VB-D025-XXX①-100W-E170-AXXX②-EU-MID-OTA-3.0	100W	70/80	220-240Vac 100-277Vac	170lm/W	17,000lm	60° 90° 120°	4000K 5000K 5700K 6500K	MID=Microwave motion sensor + Infrared Daylight Sensor
TLHWD10-HB-VB-D025-XXX①-150W-E170-AXXX②-EU-MID-OTA-3.0	150W				25,500lm			
TLHWD10-HB-VB-D025-XXX①-200W-E170-AXXX②-EU-MID-OTA-3.0	200W				34,000lm			
TLHWD10-HB-VB-D025-XXX①-100W-E180-AXXX②-EU-MID-OTA-3.0	100W	70	220-240Vac 100-277Vac	180lm/W	18,000lm	60° 90° 120°	4000K 5000K 5700K 6500K	MID=Microwave motion sensor + Infrared Daylight Sensor
TLHWD10-HB-VB-D025-XXX①-150W-E190-AXXX②-EU-MID-OTA-3.0	150W			190lm/W	28,500lm			
TLHWD10-HB-VB-D025-XXX① -200W-E190-AXXX② -EU-MID-OTA-3.0	200W			190lm/W	38,000lm			

Remark:

-XXX①designates different Correlated Color Temperature, 40K = 4000K, 50K= 5000K, 57K=5700K, 65K = 6500K.

-XXX②designates differentBeam Angle，A060=60°，A090=90°，A120=120°.

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

-The normal light efficiency versions of the luminaries are default available in 150 lm/W, The high lightefficiency versions are available in 170lm/W and 190lm/W. Please contact us to get the other version information!

Package

Power	Luminaire Net Weight(kg)	Packing Info	Dimension (inner box)(mm)	Dimension (outer carton) (mm)	GW (outer carton) (kg)	20GP (P CS)	40GP (P CS)	40 HQ (PCS)
100W	2.1	4 Pcs in 1 Carton	259.5*259.5*154	539*274.5*328	10.09	2114	4113	5150
150W	2.4	4 Pcs in 1 Carton	296.5*296.5*154	613*311.5*328	11.83	1630	3170	3970
200W	3.1	4 Pcs in 1 Carton	339.5*339.5*154	699*354.5*328	13.88	1312	2552	3196

Safety Warning

To ensure the quality and safety of the product, please follow the instructions below:

1.Before opening the packaging, inspect it for any damage or defects during transport. If any damage or defects are found, do not use the product and immediately notify your supplier.

2.Safely store the product if any damage is discovered, and promptly contact the supplier.

3.Do not attempt to use damaged products.

4.Installation, removal, and maintenance of this product should be performed by a qualified electrician. The supplier is not responsible for any issues or damages resulting from improper handling or operations not allowed in this manual.

5.Choose an installation location capable of supporting ten times the weight of the product to ensure secure installation.

6.Clean the glass with a soft cloth dampened with a neutral detergent. Do not use sandpaper, polishing powder, alcohol, gasoline, or similar liquids.

7.It is recommended to use a high-pressure blower to clean the heat sink of LED industrial lamps.

8.To avoid risks such as electric shock, explosion, or electrical hazards, this product must be installed, inspected, and maintained by qualified electricians following all electrical specifications used.

9.Ensure the power supply is turned off before installation, maintenance, and during operation.

10.The external flexible cable or cord of this luminaire cannot be replaced. If the power cord is damaged, the luminaire should be replaced.

11.The light source of this luminaire is not replaceable. Replace the entire luminaire when the light source reaches the end of its lifespan.

12.Wiring must be performed by qualified electricians to ensure safety.

13.IP65 can be used indoors.

14.Install the luminaire in a location inaccessible to arms.

15.Be cautious, there is a risk of electric shock.

16.Install at a height of 3-15 meters.

This instruction applies only to this model of product. For more information, please contact our staff.

Standard Kit

Serial Number	Description	Quantity
①	Suspension Loop	1
②	TLHWD10-HB-VB	1

Accessories

AL Cover

100W/150W/200W

100W(D×H): 280×76 mm
150W(D×H)：322×90 mm
200W(D×H)：372×120 mm

PC Cover

100W/150W/200W
100W(D×H): 280×76 mm
150W(D×H)：322×90 mm
200W (D×H) 372×120 mm

Surge Protector

Voltage: 100~277VAC
Max discharge Current:10kA
Surge tolerance: 10KV
Protection Grade: IP67

IP65 Junction box

Housing: 94V-2 Grade
Ampere/Voltage:24A450VAC
Wire Diameter: 5-9mm& 9-12mm
Max. depth of water:4M

Safety Chain

±45 Deg Bracket

100W/150W/200W
100W：180 mm
150W：260 mm
200W：260mm

Hanging Loop

100W/150W/200W
100W：180 mm
150W：260 mm
200W：260mm

Suspension Loop

Note: the accessories to be ordered separately.Remark：D= Diameter , H = Height.

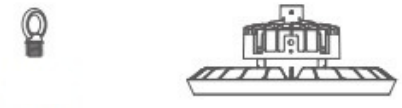
Mounting Options

Suspending

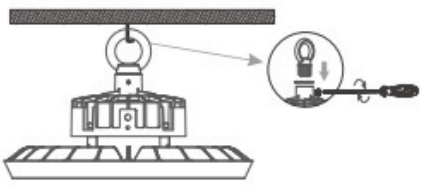
Ceiling Mounting

Wall Mounting

1.Remove the industrial lamp and place it horizontally. Then, check if the lamp body is intact.

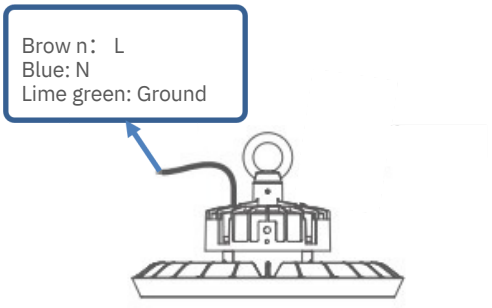


2.Rotate the suspension loop until it securely fastens to the industrial lamp. For safety, tighten the safety bolt, then use a spring hook to directly hang the lamp in the correct position.



Install at a height of 3-15 meters

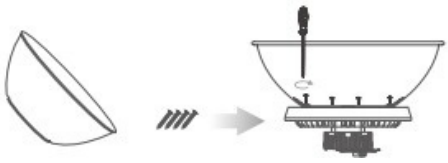
3.Follow the instructions below to connect to the main power supply and illuminate the lamp.



Dimming (0-10V/1-10V)

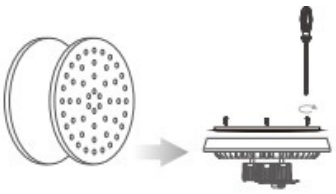
Installation Method For Accessories

Choosing and replacing lampshades:
1.There are 4 screws between the lampshade and the lens.
2.Unscrew the 4 screws of the lens in the correct position.
3.Place the lampshade over the fixture, ensuring all screw holes realign.
4.Secure the lampshade with additional screws and accessories.

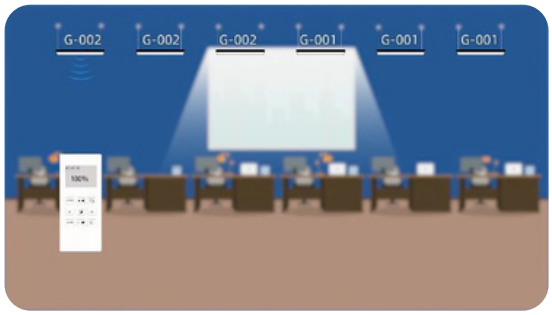


Lens selection and replacement:

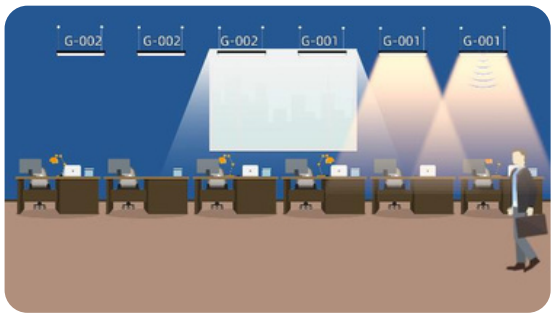
1.Unscrew all bolts to remove the existing lens.
2.Replace with the new lens, ensuring all screw holes align.
3.Secure the new lens with the existing bolts.

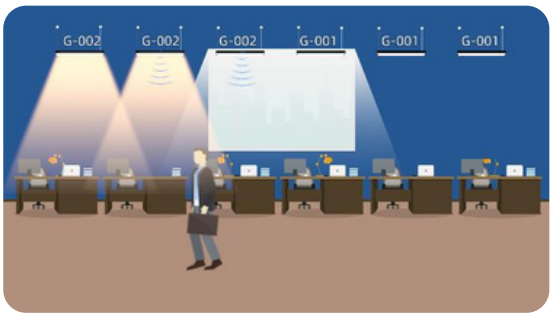


Typical Working Scenarios



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, highbay, LED tube. This kind of smart lamps can be used for industrial and commercial area, exampleoffices,warehouses,factories,parking and others.