



Theorylight

Down Light(VB)

Up to 120LM/W | 20W/30W/50W/70W



ZigBee Mesh
Network Control



Motion Sensor



Zoning & Grouping



Theorylight
Remote Control



Daylight Sensor



On/Off Control

CE

RoHS

Applications

- Station
- Shopping Mall
- Airport
- Office

Features

- ZigBee mesh network smart controls
- Default with 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
- Daylight harvesting automatically regulates
- Color Temperature options with 4000K, 5000K or 6500K Power Field
- available with power between 20W,30W,50Wand70W
- Efficiency up to 120 lm/W
- 50% less power consumption than traditional light sources.
- Lowest maintain cost

Smart Modules

ZigBeeModule



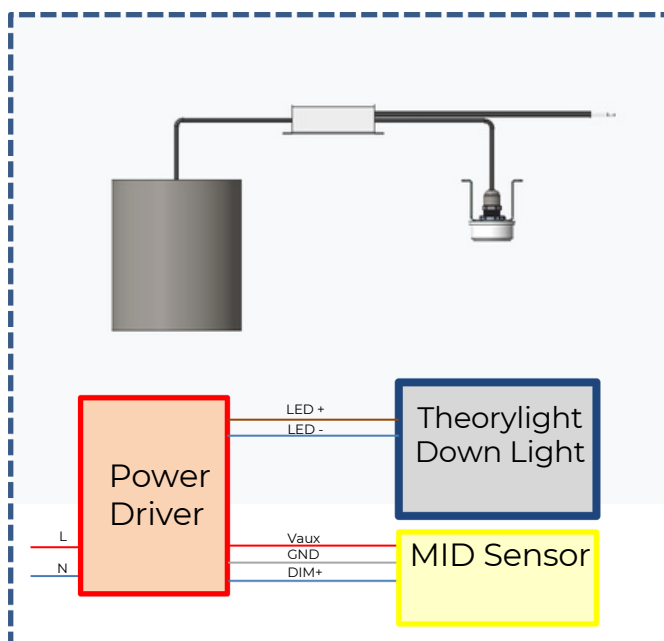
Microwave orPIR Motion Sensor Module



Infrared Daylight Sensor Module

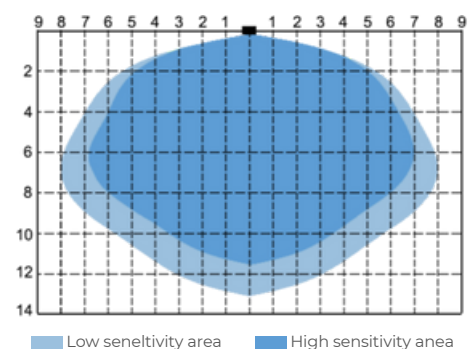


Sensor Version



Sensing Angle

MID Version



Product Data

LED Type	Light Lumileds	120lm/W
efficiency	CCT	4000K/5000K/6500K
CRI		80
LED Lifespan		
Power Supply		>50,000h HOMA
Type of Driver		Isolated
Driver efficiency		87%
Protection class		IP20
IEC Warranty		5 Years Warranty
Certificate		CE ROHS

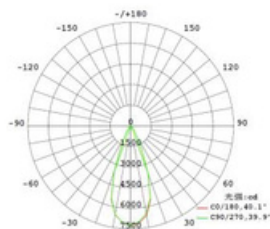
Application Conditions

Operating Temperature -30°C to +50°C

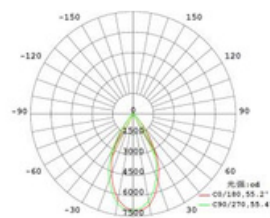
Approval and Application

Ingress protection code	IP20
Surge protection	4KV

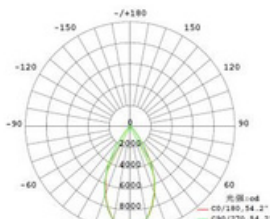
Light Distribution Curve



AVERAGE BEAM ANGLE(50%): 40 DEG
20W/30W



AVERAGE BEAM ANGLE(50%): 55 DEG
50W



AVERAGE BEAM ANGLE(50%): 55 DEG
70W

Operating and Electrical

Input voltage	200-240Vac
Frequency	50/60Hz
Inrush current	12A
Power Factor	≥0.95
THD	<10%

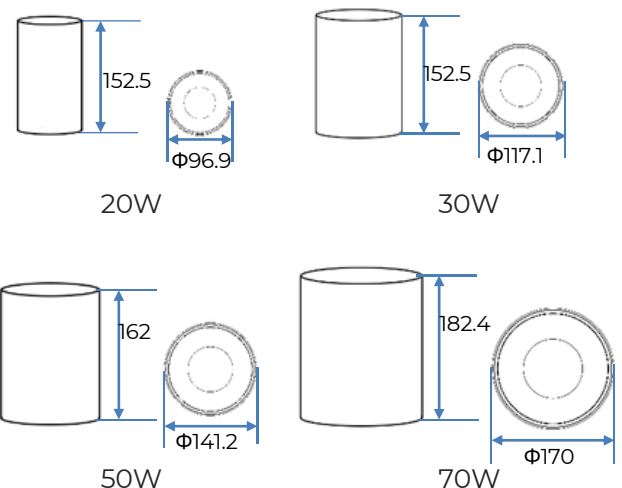
Mechanical and Housing

Structure Material	Die-Casting Aluminum
Finish Material Lens	Powdercoated
Material Glass	Polycarbonate
Material Fixture Color	Matte White
Mouting Option	Surface Mounting

Controls and Dimming

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

Draw ing



Model Number	Height (mm)	Diameter (mm)
20W	152.5	Φ96.9
30W	152.5	Φ117.1
50W	162	Φ141.2
70W	182.4	Φ170

Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input voltage	Light Efficiency	LuminousFlux (lm) (±10%) @ 6500K	Beam Angle	Correlated Color Temperature	Driver Type
TLDL16-DN-V B-D097-XXX①-20W-E120-A040- EU -M ID-OTA-3.0	20W	80	200~240 Vac	120 lm/W	2400 lm	40 Deg	4000K 5000K 6500K	Isolated
TLDL16-DN-V B-D118-XXX①-30W-E120-A040- EU -M ID-OTA-3.0	30W				3600 lm	40 Deg		
TLDL16-DN-V B-D142-XXX①-50W-E120-A055- EU -M ID-OTA-3.0	50W				6000 lm	55 Deg		
TLDL16-DN-V B-D170-XXX①-70W-E120-A055- EU -M ID-OTA-3.0	70W				8400 lm	55 Deg		

Remark: -XXX① designates different Correlated Color Temperature, 40K = 4000K, 50K = 5000K, 65K = 6500K.

Please contact us to get the other version information!

Package

Item.	Luminaire Net Weight	Packing Info	Dimmension (inner box) (mm)	Dimmension (outercarton) (mm)	GW (Outer carton)	20ft GP	40ft GP	40HQ
20W	0.89 kg	/	/	/	/	/	/	/
30W	1.30 kg	1pc/ctn without inner box	/	222*180*162MM	/	3343	6505	8146
50W	2.15 kg	1pc/ctn without inner box	/	253*188*197MM	/	2369	4608	5771
70W	2.05 kg	1pc/ctn without inner box	/	253*188*197MM	/	2369	4608	5771

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 lampson/off accordingto 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.