

[www.mawaledlighting.com](http://www.mawaledlighting.com)



# Magic Wand

## *High Bay Light-VB*

Up to 190lm/W | 100W/150W/200W



ZigBee Mesh  
Network Control



Motion Sensor



Zoning & Grouping



Magic Wand  
Remote Control



Daylight Sensor



On/Off

CE

RoHS



## Applications




- Warehouse
- Workshop
- Sports Hall
- Exhibition Hall

## Features

- ZigBee mesh network smart controls.
- Daylight and Motion Sensors .
- Easy Grouping without Gateway via Magic Wand 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.
- Power Field available with power between 100W, 150W and 200W.
- Efficiency up to 190Lm/W.
- Cooling fins as heat sink with die casting.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.



## Smart Modules

-  ZigBee Module
-  Microwave or PIR Motion Sensor Module
-  Infrared Daylight Sensor Module

## Sensor Version

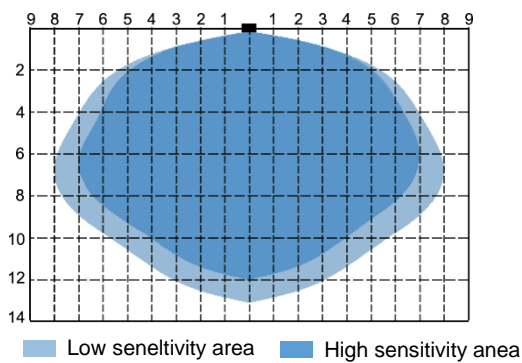


MID Version

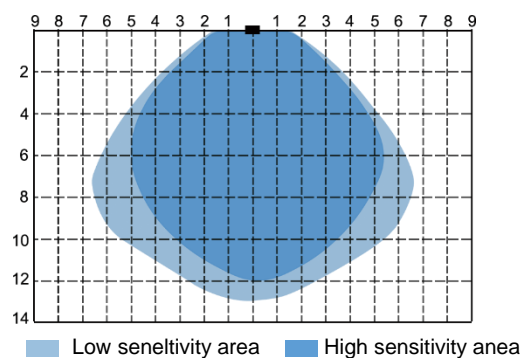


PID Version

## Sensing Angle



### MID Version



### PID Version

## Sensor Parameters (MID Version)

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

## Sensor Parameters (PID Version)

Sensing Angle	60°
Sensing Distance	12 m
Light Sensing Range	0~2000 Lux (Infrared Daylight)
Remote Control Distance	15m



## Product Data

LED Type	Lumileds
Light efficiency	150lm/W, 170lm/W, 190lm/W
CCT	4000K/5000K/6500K
CRI	80
LED Lifespan	>50,000h
Power Supply	SOSEN / MOSO
Type of Driver	Non-isolated
Driver efficiency	94%
Protection class IEC	IP65
Warranty	5 Years Warranty
Certificate	CE, RoHS

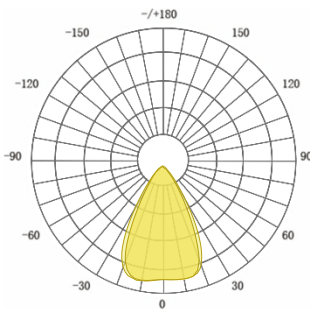
## Application Conditions

Operating Temperature -30°C to ~ 50°C

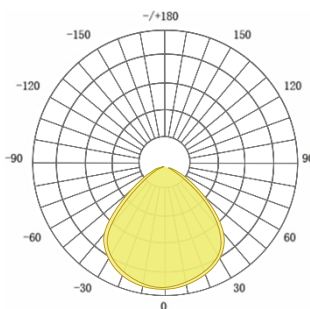
## Approval and Application

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

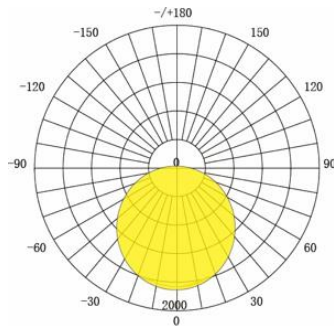
## Light Distribution Curve



AVERAGE BEAM ANGLE(50%): 60DEG



AVERAGE BEAM ANGLE(50%): 90DEG



AVERAGE BEAM ANGLE(50%): 120DEG

## Operating and Electrical

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

## Mechanical and Housing

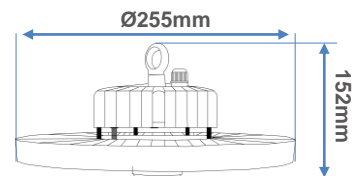
Structure Material	Iron Galvanized
Finish Material	Powder coated
Lens Material	Polycarbonate
Fixture Color	Matte Black
Mouting Option	Suspending / Ceiling Mounting/ Wall Mounting

## Controls and Dimming

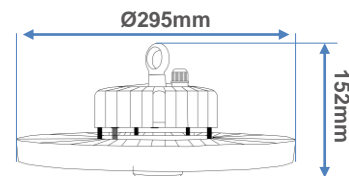
Dimmable	Dimmable
Intelligent Control	ZigBee / Dimming / Infrared Daylight Sensor / PIR Sensor or Microwave Motion Sensor

## Drawing

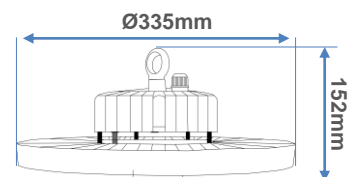
### LAMPS



100W



150W



200W



## Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input voltage	Light Efficiency	Luminous Flux (lm) (±10%) @4000K @5000K @6500K	Beam Angle	Correlated Color Temperature	LED Type	Driver Type
HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E150-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	80	200~240Vac	150lm/W	15,000lm	60deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E150-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				22,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E150-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				30,000lm				

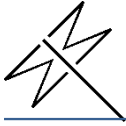
HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E150-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	80	200~240Vac	150lm/W	15,000lm	90deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E150-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				22,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E150-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				30,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E150-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	80	200~240Vac	150lm/W	15,000lm	120deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E150-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				22,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E150-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				30,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E170-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	80	200~240Vac	170lm/W	17,000lm	60deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E170-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				25,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E170-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				34,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E170-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	80	200~240Vac	170lm/W	17,000lm	90deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E170-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				25,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E170-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				34,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E170-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	80	200~240Vac	170lm/W	17,000lm	120deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E170-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				25,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E170-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				34,000lm				



## Product Parameter

Model Number	Power Consumption (±10%)	Ra	Input voltage	Light Efficiency	Luminous Flux (lm) (±10%) @4000K @5000K @6500K	Beam Angle	Correlated Color Temperature	LED Type	Driver Type
HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E170-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	70	200~240Vac	170lm/W	17,000lm	60deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E170-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				25,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E170-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				34,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E170-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	70	200~240Vac	170lm/W	17,000lm	90deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E170-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				25,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E170-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				34,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E170-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	70	200~240Vac	170lm/W	17,000lm	120deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E170-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W				25,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E170-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W				34,000lm				

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E180-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	70	200~240Vac	180lm/W	18,000lm	60deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E190-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W			190lm/W	28,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E190-A060-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W			38,000lm					

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E180-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	70	200~240Vac	180lm/W	18,000lm	90deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E190-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W			190lm/W	28,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E190-A090-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W			38,000lm					

HMWD10-HB-VB-D025-XXX <sup>①</sup> -100W-E180-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	100W	70	200~240Vac	180lm/W	18,000lm	120deg	4000K 5000K 5700K 6500K	Lumileds	Non-isolated
HMWD10-HB-VB-D029-XXX <sup>①</sup> -150W-E190-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	150W			190lm/W	28,500lm				
HMWD10-HB-VB-D033-XXX <sup>①</sup> -200W-E190-A120-XX <sup>②</sup> -XXX <sup>③</sup> -OTA-3.0	200W			38,000lm					



- Remark: - XXX<sup>®</sup> designates different Correlated Color Temperature, 40K = 4000K, 50K= 5000K, 65K = 6500K.  
 - XX<sup>®</sup> designates different market certification , EU = EUROPE UNION, US = USA, CN = CHINA.  
 - XXX<sup>®</sup> designates different Smart Modules, MID = Microwave motion sensor + Infrared Daylight Sensor.  
 - PID= PIR motion sensor + Infrared Daylight Sensor.  
 - For the US version, the input voltage is 100~277Vac.  
 - The normal light efficiency versions of the luminaries are default available in 130 lm/W and 150 lm/W, The high light efficiency versions are available in 170lm/W and 190lm/W. Please contact us to get the other version information!

## Package

Item.	Luminaire Net Weight	Packing Info	Dimension (inner box) (mm)	Dimension (outer carton) (mm)	GW (outer carton)	20ft GP	40ft GP	40 HQ
100W	2.1kg	4 Pcs in 1 Carton	259.5*259.5*154	539*274.5*328	10.09kg	2114pcs	4113pcs	5150pcs
150W	2.4kg	4 Pcs in 1 Carton	296.5*296.5*154	613*311.5*328	11.83kg	1630pcs	3170pcs	3970pcs
200W	3.1kg	4 Pcs in 1 Carton	339.5*399.5*154	699*354.5*328	13.88kg	1312pcs	2552pcs	3196pcs

## Mounting Options



Suspending



Ceiling Mounting



Wall Mounting

## Standard Kit



Serial Number	Description	Quantity
①	Suspension Loop	1
②	HMWD10-HB-VB	1

## Accessories



AL Cover

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



PC Cover

For 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: 24A/450VAC  
 Wire Diameter: 5-9mm & 9-12mm  
 Max. depth of water :4M



Safety Chain



± 45 Deg Bracket

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



Hanging Loop

For 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



## Typical Working Scenarios



The “Magic Wand” smart lamps of HOMA are embedded with motion sensor and daylight sensor, using a “Magic Wand” remote control, users can set grouping and parameters very fast and convenient.

By adopting the standard ZigBee technology, “Magic Wand” 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 magic wand serial include panel, linear light, tri-proof light, highbay, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices, warehouses, factories, parking and others.