UFO High Bay Light UL

LLP-UFO-100/150/200/240-XX

LED2835 Epistar Seoul	INVENTRONICS	130 lm/w	IP 65	0-10V Dimmers	Mcrowave sensIng	Patented	cULus	DLC	Warranty 5 years

Description:

The light is designed without a reflector with thin, smooth lines, and an attractive appearance. The fixture is made of die-cast aluminum with numerous cooling fins to maximise the performance. The LEDs produce 130 lm/W. This lamp is IP65 rated, suitable for both indoor and outdoor use.

Feature：

1. The light is suitable for commercial and industrial lighting applications;
2. IP65 rated for wet locations;
3. Aluminum profile tempered glass, can withstand high impact from basketballs and similar objects;
4. LEDs are arranged in a symmetric circle to efficiently distribute heat;
5. 130 lumens per watt;
6. CRI ≥80;
7. Compact shape, easy to install and transport;
8. Installation options : pendent installation, suspended hook installation, wall mount or ceiling mount, with U-shape rotating bracket; 9. 5 year warranty.

Technical parameters:

Model	Color	CCT	Lumen(lm) (±10%)	Beam (angle°)	LED Type	LED Qty.	Power (±10%)	Voltage, Frequency	CRI	PF
LLP-UFO-100-W	5000K	White	12580	120°	SMD2835	210pcs	100	AC100-277V 50/60Hz	> 80	≥0.9
LLP-UFO-100-NW	4000K	Neutral White	12210							
LLP-UFO-100-WW	3000K	Warm White	11370							
LLP-UFO-150-W	5000K	White	18820	120°	SMD2835	336pcs	150	AC100-277V 50/60Hz	> 80	≥0.9
LLP-UFO-150-NW	4000K	Neutral White	18270							
LLP-UFO-150-WW	3000K	Warm White	17030							
LLP-UFO-200-W	5000K	White	25320	120°	SMD2835	420pcs	200	AC100-277V 50/60Hz	> 80	≥0.9
LLP-UFO-200-NW	4000K	Neutral White	24580							
LLP-UFO-200-WW	3000K	Warm White	22800							
LLP-UFO-240-W	5000K	White	30320	120°	SMD2835	546pcs	240	AC100-277V 50/60Hz	> 80	≥0.9
LLP-UFO-240-NW	4000K	Neutral White	29440							
LLP-UFO-240-WW	3000K	Warm White	28070							

* **02: Normal series**
* **D02: 0-10V dimming series**
* **S02: Microwave sensing series**
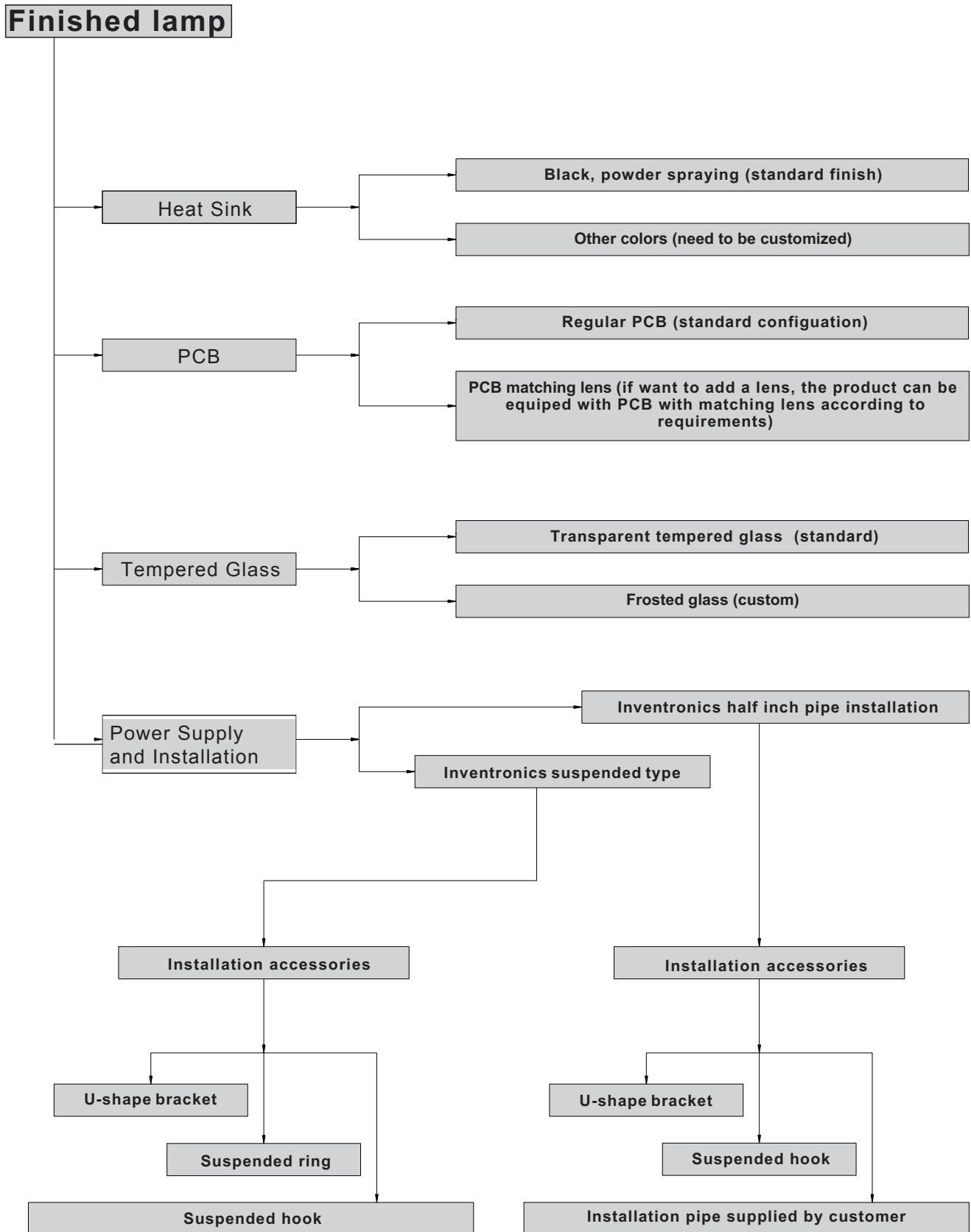* **PCB matching lens(LED Qty.: 100W:224pcs / 150W:350pcs / 200W:406pcs / 240W:476pcs)**
* **Lens: (Optional light angle:45deg / 90deg)**

Application:

Suitable for workshops , warehouses , parking lots , gymnasiums, aircraft hangars and manufacturing space.

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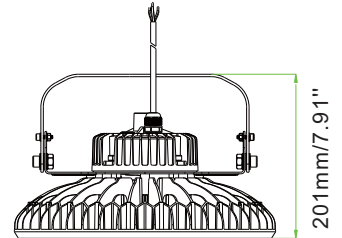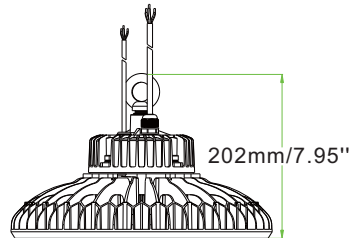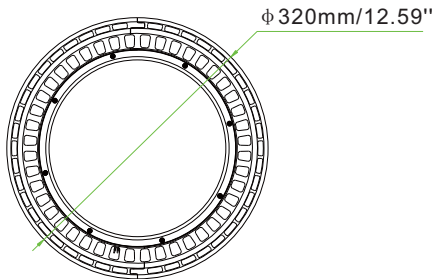www.ledlightandpower.com 6405 S Tenaya Way, #100, Las Vegas NV 89113

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Configure navigation :

Finished lamp

Heat Sink
- Black, powder spraying (standard finish)
- Other colors (need to be customized)

PCB
- Regular PCB (standard configuation)
- PCB matching lens (if want to add a lens, the product can be equiped with PCB with matching lens according to requirements)

Tempered Glass
- Transparent tempered glass (standard)
- Frosted glass (custom)

Power Supply and Installation
- Inventronics half inch pipe installation
- Inventronics suspended type

Installation accessories
- U-shape bracket
- Suspended ring
- Suspended hook

Installation accessories
- U-shape bracket
- Suspended hook
- Installation pipe supplied by customer

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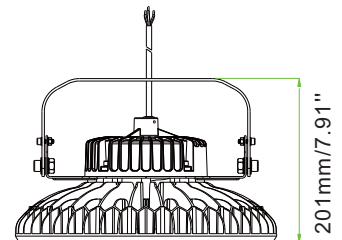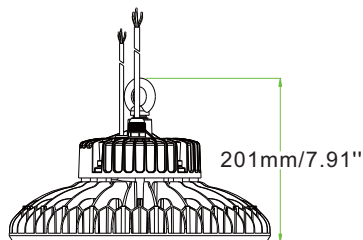www.ledlightandpower.com 6405 S Tenaya Way, #100, Las Vegas NV 89113

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Dimension(Unit:mm/inch):

100W (Normal or 0-10V dimming series)

Φ320mm/12.59''

202mm/7.95''

201mm/7.91''

150W (Normal or 0-10V dimming series)

Φ320mm/12.59''

201mm/7.91''

201mm/7.91''

200/240W (Normal or 0-10V dimming series)
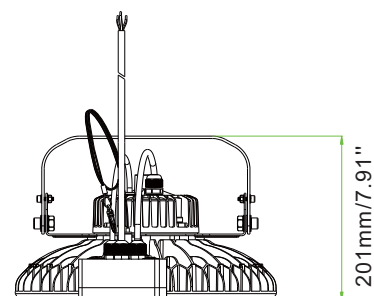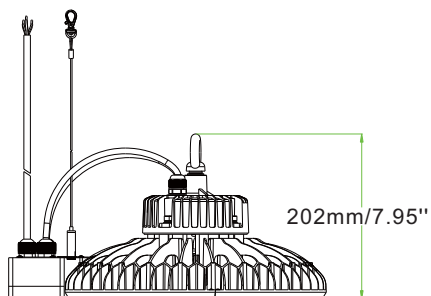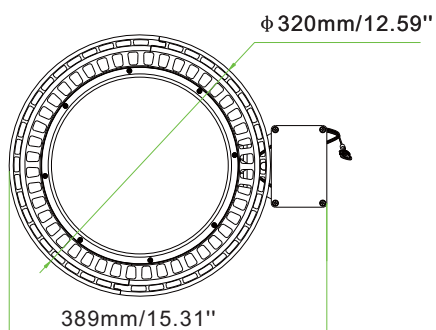
Φ400mm/15.74''

223.5mm/8.8''

214mm/8.43''

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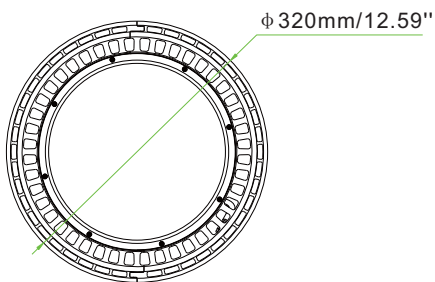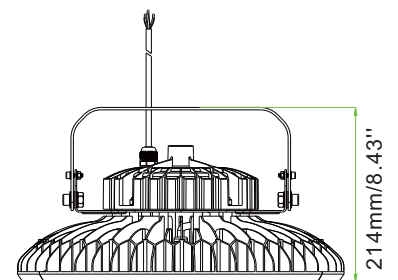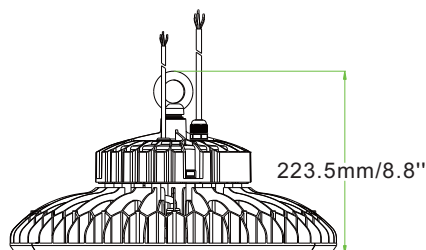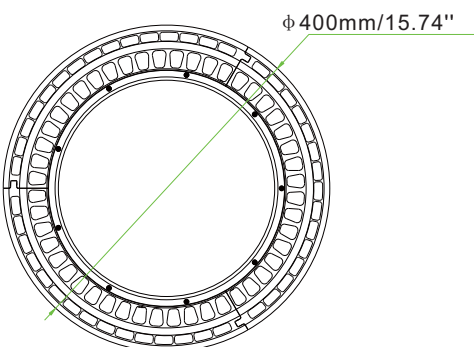
100W (Microwave sensing series)

Φ320mm/12.59''

389mm/15.31''

202mm/7.95''

201mm/7.91''

150W (Microwave sensing series)

Φ320mm/12.59''

389mm/15.31''

201mm/7.91''

201mm/7.91''

200/240W (Microwave sensing series)

Φ400mm/15.74''

468mm/18.42''

223.5mm/8.8''

214mm/8.43''

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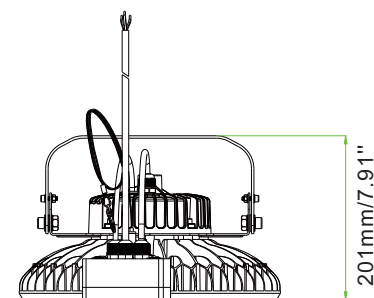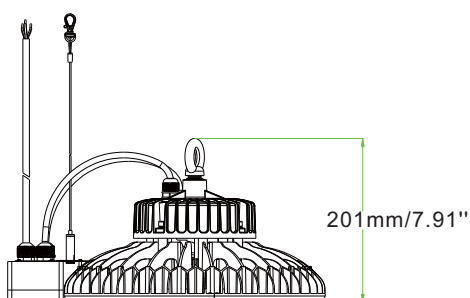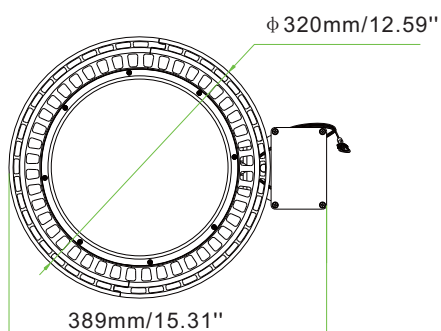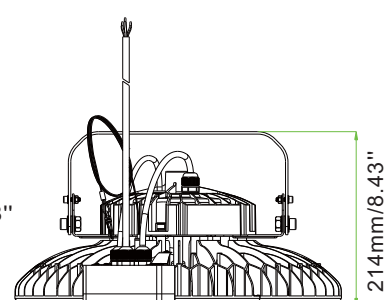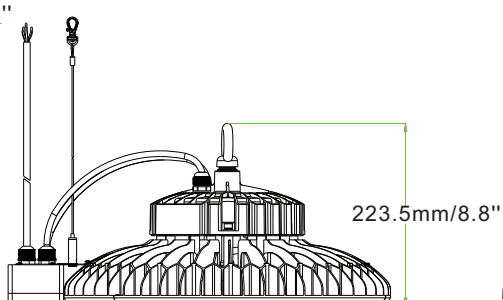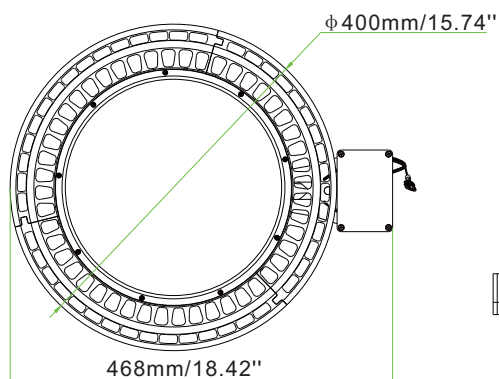
Installation：

Suspended installation

1. Please prepare one set of hangers, insert them into installation carrier in advance, and make sure the hangers and installation carrier meet weight requirement;
2. Screw ring into installation position of the fixture and tighten it;
3. Hook the fixture on hanger;

AC INPUT
- L (black wire)
- N (white wire)
- GND (green wire)

0-10V dimming
- Dim- (GRAY wire)
- Dim+ (PURPLE wire)
- Vaux (BLACK/WHITE wire)
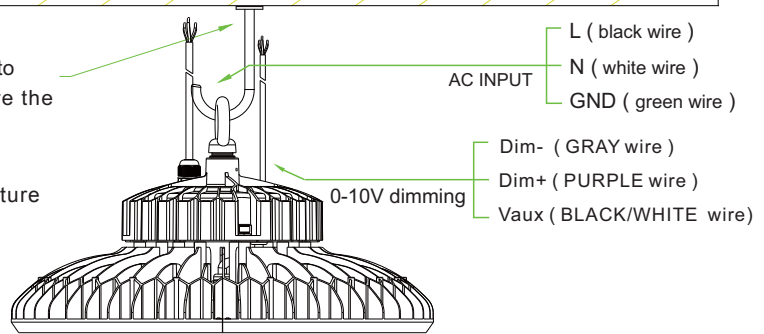
Chain Installation

1. Prepare one set of hangers, screw them into installation carrier in advance, and make sure the hangars and installation carrier meet the weight requirements ;
2. Screw ring into threaded fixture, and tighten;
3. Add chain;
4. Hook one end of the chain to the fixture, and hook the other end on the hanger hook.

Sensor suspendant cable

Adjust length of steel wire until the fixture is level

Sensor components

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Half inch pipe installation

Half inch pipe

Pipe must have M20 thread connection;
tooth pitch 1.75mm internal diameter of pipe
and aperture >15mm Thread depth of pipe ＜2 5mm

Pipe installation is only suitable for specific installation environments,
and the installation method must conform to requirements below:

1.Pipe must meet weight requirements;
2.Pipe must have M20 screw connection;
3.Internal diameter of pipe and aperture >15mm(minimum dimension of internal layout)
4.Thread depth of pipe ＜2mm, recommend 20mm.

U-shape rotating bracket ceiling or wall installation

1.Use two sets of installation bolts and
drill two holes with≤ 10mm in advance and
ensure the installation body conforms to weight
requirements ;
2.Screw bolts into installation hole of lamp bracket
and tighten;
3.Slightly loosen fixing screws of bracket,
and rotate fixture to suitable installation angle;
4.Tighten bracket screws, at the same time tighten
auxiliary anti-skid screw.

Recommend drilling hole dimension

105mm

2-φ10

Sensor function setting

By selecting the combination on the DIP switch, sensor data can be set for each specific application.

ON		1	2	
	I	ON	ON	100%
	II	ON	—	75%
	III	—	ON	50%
	IV	—	—	10%

ON		3	4	5	
	I	ON	ON	ON	5S
	II	—	ON	ON	30s
	III	ON	—	ON	90s
	IV	—	—	ON	3min
	V	ON	ON	—	20min
	VI	—	—	—	+∞

ON		6	7	8	
	I	ON	ON	ON	0S
	II	—	ON	ON	5S
	III	ON	—	ON	5min
	IV	—	—	ON	10min
	V	ON	ON	—	30min
	VI	—	ON	—	1h
	VII	—	—	—	Disable

ON		1	2	3	4	
	I	—	—	ON	ON	2Lux
	II	—	—	—	ON	5Lux
	III	—	ON	ON	—	10Lux
	IV	—	—	ON	—	25Lux
	V	—	ON	—	—	50Lux
	VI	ON	—	—	—	100Lux
	VII	—	—	—	—	Disable

ON		5	6	
	I	ON	ON	50%
	II	—	ON	30%
	III	ON	—	20%
	IV	—	—	10%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit each application precisely.
Factory setting: 100%

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion is detected.
Factory setting: 3min

Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off after a long absence of motion. When set to "+∞" mode, the low light is maintained until motion is detected.
Factory setting: 5S

Daylight sensor

The sensor can be set to allow the lamp to illuminate below a defined ambient brightness threshold. When set to disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient level.
Note that daylight sensor is active only when lamp is switched off.
Factory setting: Disabled

Stand-by dimming level

The low light level you would like to have after a long absence of motion.
Factory setting: 20%

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Package information:

Power	100W	150W	200W	240W
Net weight Normal or 0-10V dimming series (match with suspendent ring)	4.6Kg	5.1Kg	7.15Kg	7.15Kg
Gross weight Normal or 0-10V dimming series (match with suspendent ring)	5.6Kg	6.1Kg	8.45Kg	8.45Kg
Net weight Microwave occupancy sensing series (match with suspendent ring)	4.95Kg	5.45Kg	7.5Kg	7.5Kg
Gross weight Microwave occupancy sensing series (match with suspendent ring)	5.95Kg	6.45Kg	8.8Kg	8.8Kg
Net weight Normal or 0-10V dimming series (match with U-shape bracket)	5.35Kg	5.85Kg	8Kg	8Kg
Gross weight Normal or 0-10V dimming series (match with U-shape bracket)	6.35Kg	6.85Kg	9.3Kg	9.3Kg
Net weight Microwave occupancy sensing series (match with U-shape bracket)	5.7Kg	6.2Kg	8.35Kg	8.35Kg
Gross weight Microwave occupancy sensing series (match with U-shape bracket)	6.7Kg	7.2Kg	9.65Kg	9.65Kg
Inner box dimension Normal or 0-10V dimming series	385*385*270mm	385*385*270mm	465*465*290mm	465*465*290mm
Outer carton dimension Normal or 0-10V dimming series	410*410*580mm	410*410*580mm	490*490*620mm	490*490*620mm
Inner box dimension Microwave occupancy sensing series	440*440*270mm	440*440*270mm	495*495*290mm	495*495*290mm
Outer carton dimension Microwave occupancy sensing series	465*465*580mm	465*465*580mm	520*520*620mm	520*520*620mm
Packing qty.	2pcs/carton	2pcs/carton	2pcs/carton	2pcs/carton

* : above is marked as weight of single finished lamp

Installation requirements:

1. Turn power off before installation, and read the instructions carefully;

2. Make sure the installation material is rated for the lamp weight;

3. When installing with the suspension ring, first fix the suspension ring on the lamp securely, and hook the suspension bracket to the hanger;

4. Rotating bracket installation method; prepare two sets of expansion bolts, and drill holes in the installation body, then install the lamp, finally screw down expansion bolts and bracket screws.

5. Suspension installation; prepare extension material first, and cover one end of extension medium on suspension ring of the fixture, then hook the other end on the hanger hook.

6. Connect lamp wires to the matched power supply wires .

7. Installation must comply with local building codes.

⚠ Notice:

1. Please first read the product specification carefully, make sure the environment conforms to specifications

2. Please confirm the input voltage before use

3. This product must be installed by a licensed electrician

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