



## Linear High Bay

LH2F-060/100/120/150/180-AW-XXK-YY

LH4F-100/150/200/250/300-AW-XXK-YY



### Product description:

This strip mining lamp adopts modular design and can be combined flexibly to provide selection of different power including: 2FEET two-modular 60W, three-module 100W, four-module 120W, five-module 150W, six-module 180W; 4FEET two-modular 100W, three-module 150W, four-module 200W, five-module 250W, six-module 300W; with modular design. The optical-electric separation design decreases the temperature of lamp and driving significantly to extend the service life of the lamp to 60000 hours. With 140LM/W lighting effect, The style of 0-10V dimming and microwave induction and 277V-480V high voltage are provided for selection of customers.

### Product features:

1. Flexible combination of 2-6 modules is applicable to all type of application site.
2. Selection of suspended installation and pole installation;
3. 5-year warranty;
4. Operating temperature: - 20°C- 45°C;
5. Anti-corrosion grade: no protection.



## Technical parameters:

Model	CCT	Lumen(lm) (±10%)	Beam angle	LED type	Voltage. frequency	Power(w) (±10%)	Max.current (A)	CRI	PF
LH2F-060-AW-50K-D/SYY	5000K	8050	120°	SMD2835	AC120-277V 50/60Hz	60W	0.7A	>80	>0.9
LH2F-060-AW-40K-D/SYY	4000K	7800							
LH2F-060-AW-35K-D/SYY	3500K	7680							
LH2F-060-AW-30K-D/SYY	3000K	7680							
LH2F-100-AW-50K-D/SYY	5000K	13750	120°	SMD2835	AC120-277V 50/60Hz	100W	1.2A	>80	>0.9
LH2F-100-AW-40K-D/SYY	4000K	13400							
LH2F-100-AW-35K-D/SYY	3500K	13000							
LH2F-100-AW-30K-D/SYY	3000K	13000							
LH2F-120-AW-50K-D/SYY	5000K	16100	120°	SMD2835	AC120-277V 50/60Hz	120W	1.4A	>80	>0.9
LH2F-120-AW-40K-D/SYY	4000K	15600							
LH2F-120-AW-35K-D/SYY	3500K	15360							
LH2F-120-AW-30K-D/SYY	3000K	15360							
LH2F-150-AW-50K-D/SYY	5000K	20300	120°	SMD2835	AC120-277V 50/60Hz	150W	1.8A	>80	>0.9
LH2F-150-AW-40K-D/SYY	4000K	19650							
LH2F-150-AW-35K-D/SYY	3500K	19350							
LH2F-150-AW-30K-D/SYY	3000K	19350							
LH2F-180-AW-50K-D/SYY	5000K	23960	120°	SMD2835	AC120-277V 50/60Hz	180W	2.1A	>80	>0.9
LH2F-180-AW-40K-D/SYY	4000K	23400							
LH2F-180-AW-35K-D/SYY	3500K	22860							
LH2F-180-AW-30K-D/SYY	3000K	22860							
LH4F-100-AW-50K-D/SYY	5000K	13970	120°	SMD2835	AC120-277V 50/60Hz	100W	1.2A	>80	>0.9
LH4F-100-AW-40K-D/SYY	4000K	13600							
LH4F-100-AW-35K-D/SYY	3500K	13200							
LH4F-100-AW-30K-D/SYY	3000K	13200							
LH4F-150-AW-50K-D/SYY	5000K	19970	120°	SMD2835	AC120-277V 50/60Hz	150W	1.8A	>80	>0.9
LH4F-150-AW-40K-D/SYY	4000K	19650							
LH4F-150-AW-35K-D/SYY	3500K	19200							
LH4F-150-AW-30K-D/SYY	3000K	19200							
LH4F-200-AW-50K-D/SYY	5000K	28380	120°	SMD2835	AC120-277V 50/60Hz	200W	2.3A	>80	>0.9
LH4F-200-AW-40K-D/SYY	4000K	27600							
LH4F-200-AW-35K-D/SYY	3500K	26800							
LH4F-200-AW-30K-D/SYY	3000K	26800							
LH4F-250-AW-50K-D/SYY	5000K	34380	120°	SMD2835	AC120-277V 50/60Hz	250W	2.8A	>80	>0.9
LH4F-250-AW-40K-D/SYY	4000K	33500							
LH4F-250-AW-35K-D/SYY	3500K	32500							
LH4F-250-AW-30K-D/SYY	3000K	32500							
LH4F-300-AW-50K-D/SYY	5000K	41910	120°	SMD2835	AC120-277V 50/60Hz	300W	3.5A	>80	>0.9
LH4F-300-AW-40K-D/SYY	4000K	41400							
LH4F-300-AW-35K-D/SYY	3500K	40200							
LH4F-300-AW-30K-D/SYY	3000K	40200							

D :Dimmable S :Sensor type

\*Not all product variations listed on this page are DLC qualified.  
To ensure that a specific model is qualified, visit [www.designlights.org/search](http://www.designlights.org/search)."

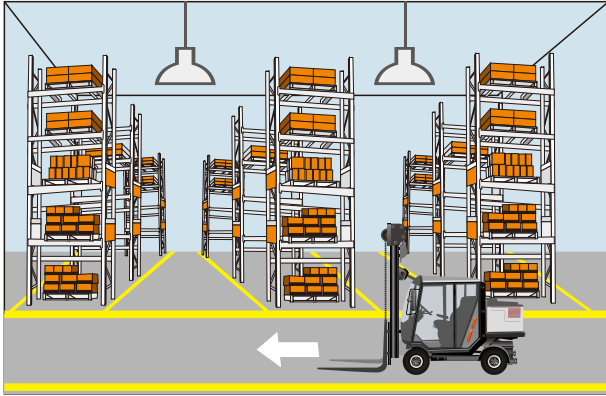


## Features of Linear high bay light with motion sensor

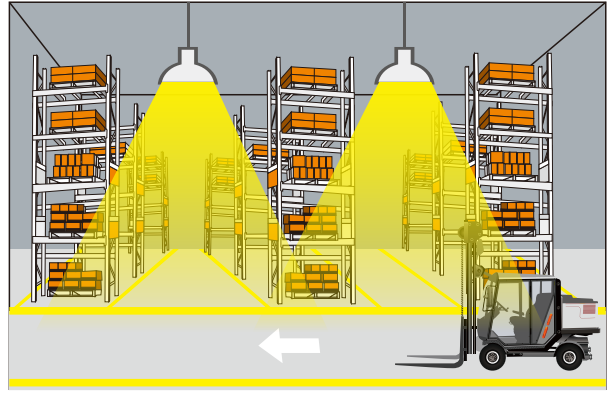
The linear high bay light with motion sensor which utilizes Doppler shift phenomenon to sense motion, Using the most popular 5.8GHz ISM band with high reliability, it won't be affected by noise, temperature, humidity. The detection signal can penetrate plastic, glass, wood panel and other thin non-metallic objects.

If enable Light Sensor of internally integrated, the light can only be switch on with insufficient ambient light.

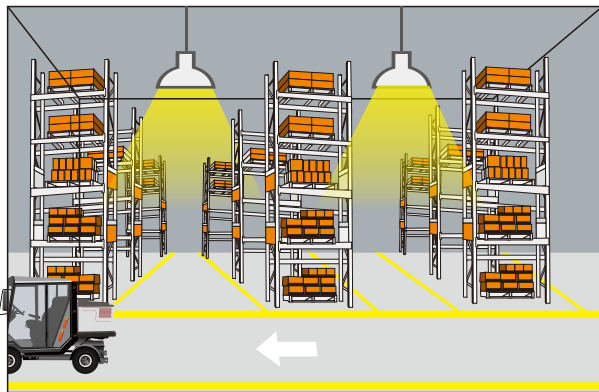
The application function is set via remote controller, simple and convenient.



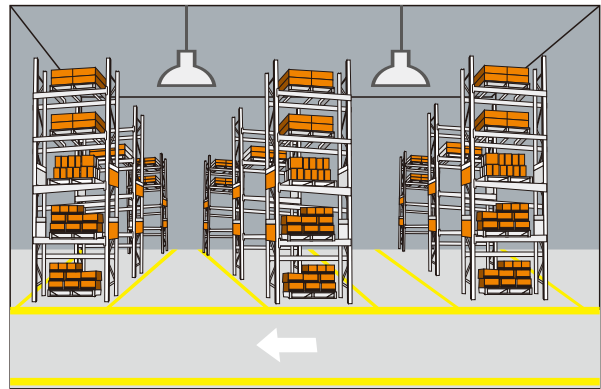
With sufficient ambient light, the lamp does not switch on.



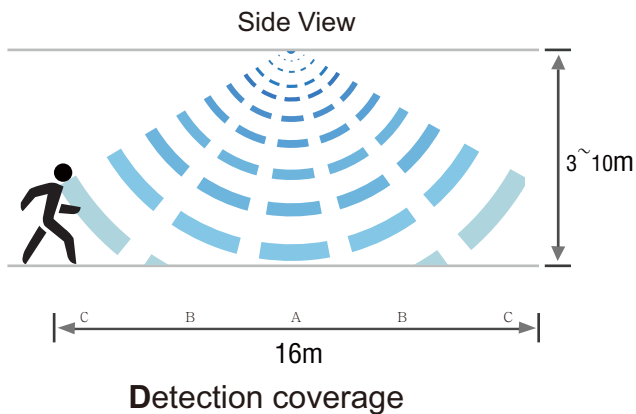
With insufficient ambient light, the lamp switches on when motion is detected.



After hold time, the lamp dims to a low light level if no new motion trigger.



After stand-by period, the lamp switches off if no motion is detected in its detection zone.



The function of linear high bay light with motion sensor is default as the following at delivery:

Sensitivity: 75%;

Full brightness time delay: 5MIN;

Light sensation: 50LUX;

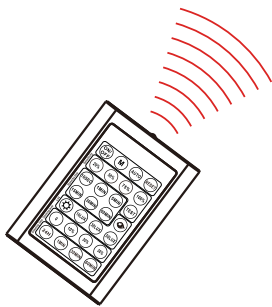
Dimming brightness: 30%

Low brightness time: 30 MIN;



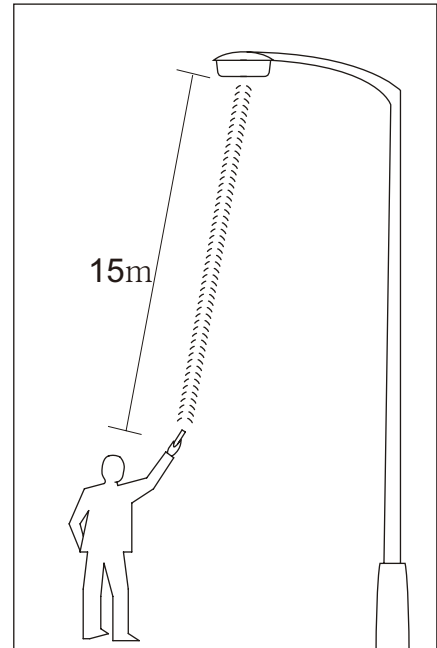
## Brief introduction of remote controller

all control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.



### ④ TECHNICAL DATA

- RC-101 With M Button  
2 x 3AAA 1.5 Volt  
depending on lighting conditions
- clouded or dark :  
20 to 25m  
sunshine :  
10 to 15m
- L100 x W70 x H16mm



<p><b>Remote controller Model: RC-101</b></p>		Press the on/off button, the light goes to permanent or permanent off mode, sensor is disabled.		This button test 2s is for testing purpose only, the sensor goes to test mode (hold time 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled.
		Memory the parameters		
		Press auto mode button, the sensor starts to work and all settings remain the same as the latest status before the light was switched on/off.		One touch button, the default is  
	 	Sensitivity	  	The time delay for the state when the light is fully bright 100%.
		Press this button, the latest surrounding lux value overwrites previous lux value learned, and is set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.	 	Press the buttons of the daylight sensor to set daylight threshold at 10lux/30lux/50lux/ ( for daylight sensor disabled).
	 	Stand-by dimming level	 	Stand-by period (note: 24H is never off)

Note: The remote controller needs to be purchased separately.

Model of remote controller: RC-101

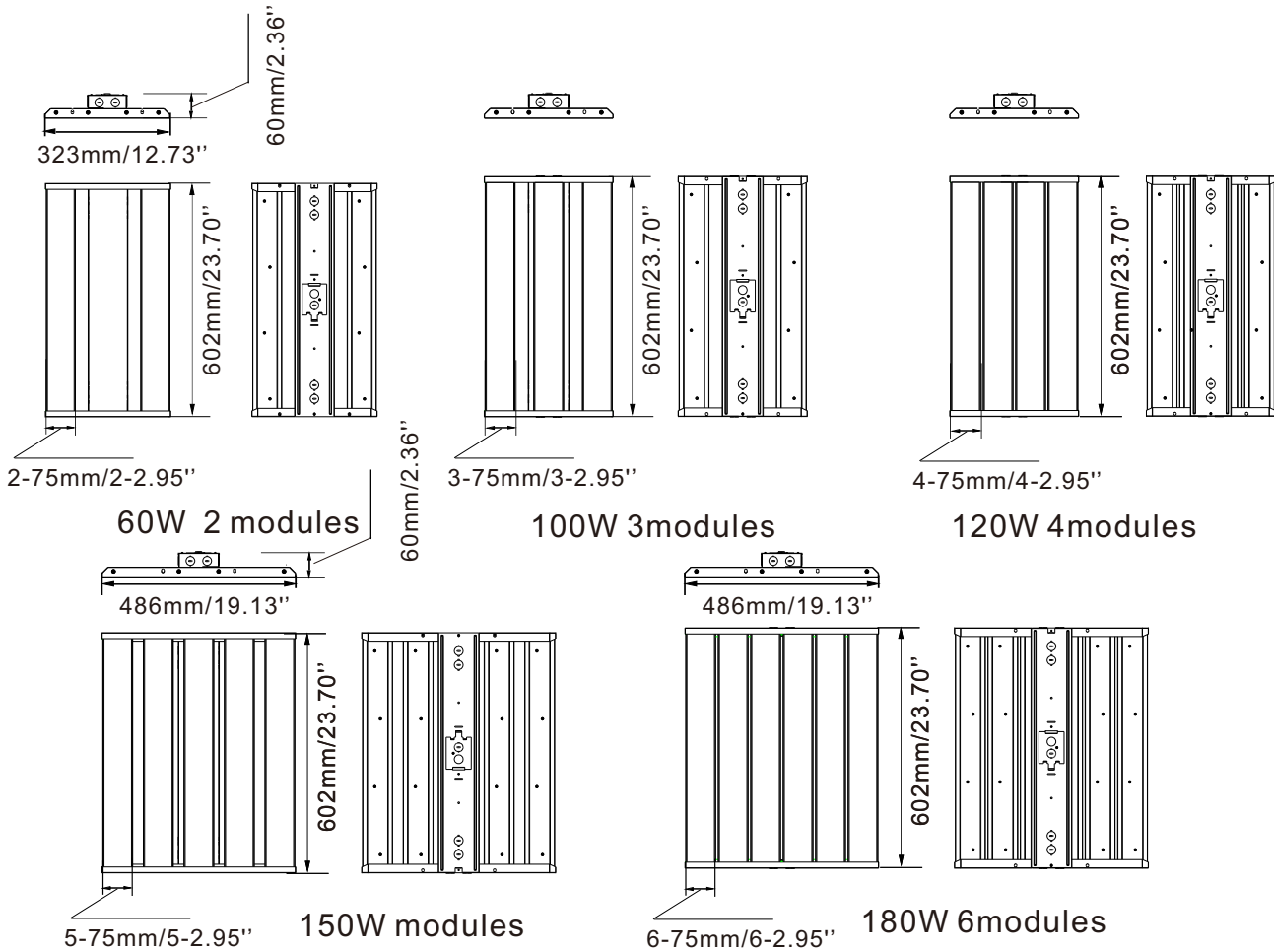


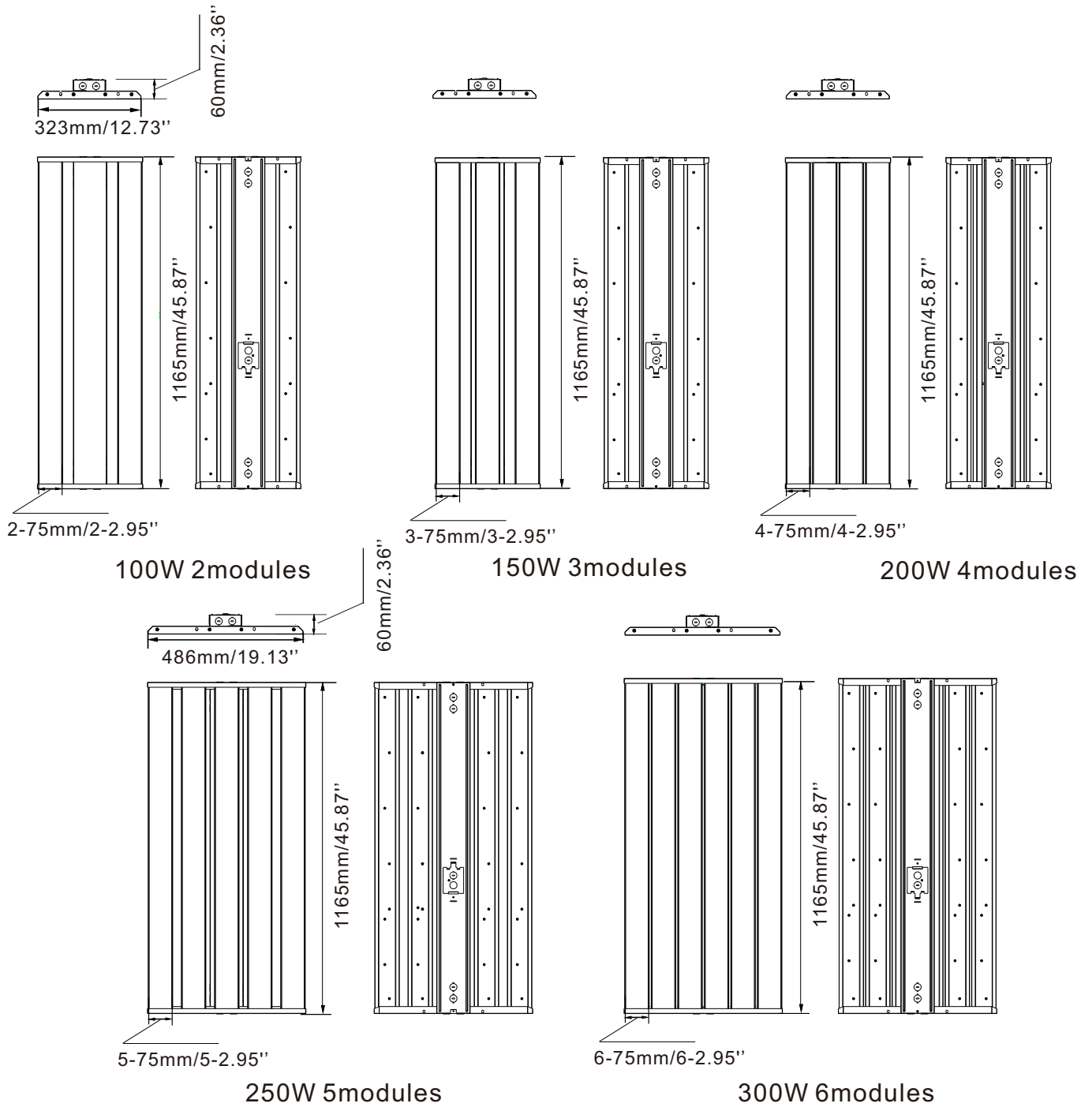
### Product application:

Supermarkets, warehouses, distribution/logistics centers, chain shops, stadiums and factories



### Dimension(mm):





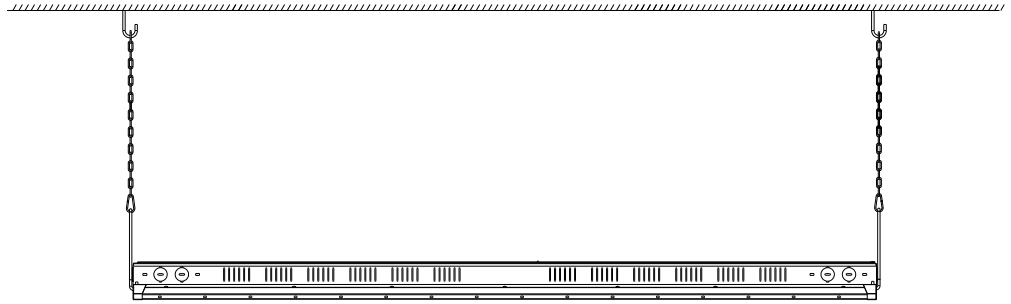
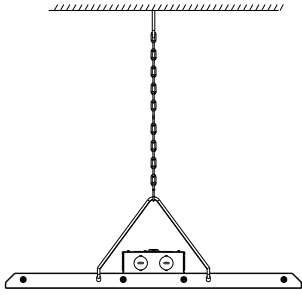
**Connection drawing:**



0-10V wiring diagram



## Installation:



1170/46.06"  
610/24.02"

Spacing of  
installation hole:

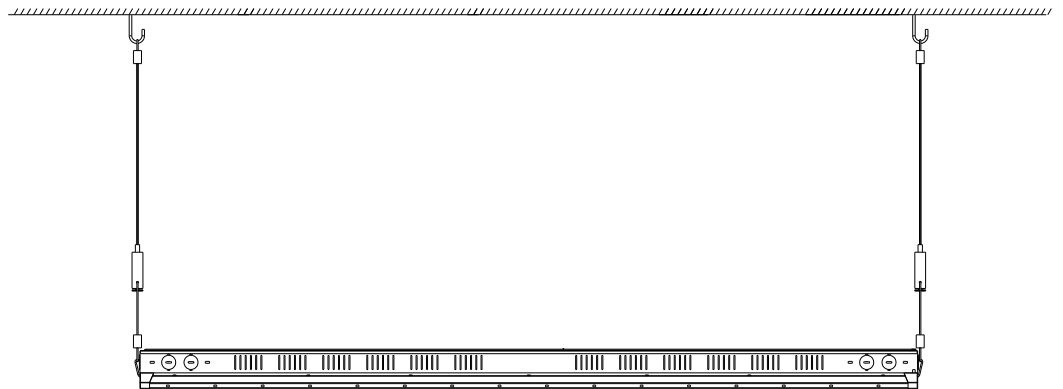
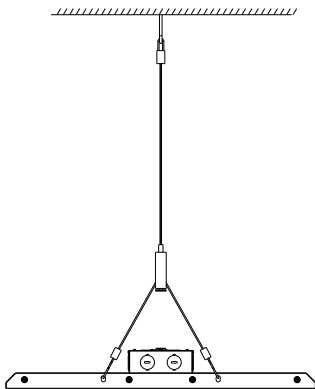
1. Prepare a set of suspension parts by yourself and pre-embed it into the installation carrier and ensure that the suspension parts and installation carrier meet bearing requirements.

2. Hang stainless steel chain onto the suspension parts.

3. Hang the tripod onto the lamp body.

4. Hang the hook of stainless steel chain onto the tripod.

### Pendant chain installation (optional)



1. Prepare a set of suspension parts by yourself and pre-embed it into the installation carrier and ensure that the suspension parts and installation carrier meet bearing requirements.

1170/46.06"  
610/24.02"

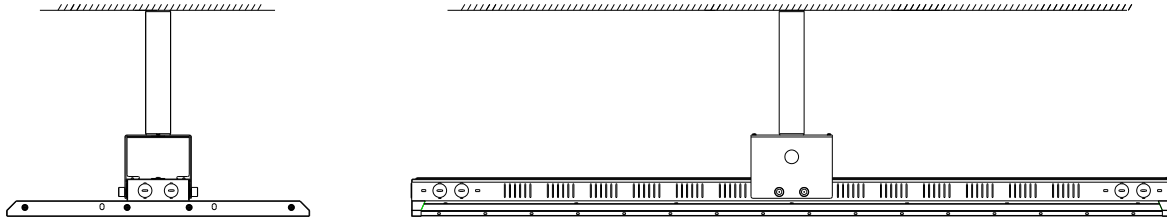
Spacing of  
installation hole:

2. Hang the wire rope on the hanger

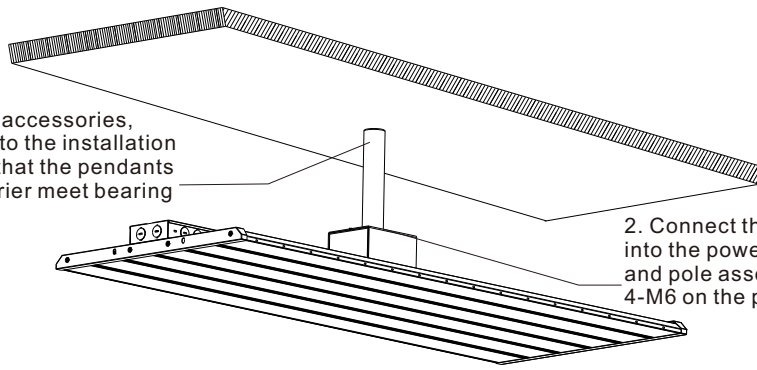
3. Put the two sides of the hook on the body of the lamp

4. Tightened circular tooth nut

### Installation of wire rope (optional)



1. Prepare the pole accessories, and pre-embed it into the installation carrier and ensure that the pendants and installation carrier meet bearing requirements.



2. Connect the wire for pole installation into the power supply box. Fix the pole and pole assembly parts and tighten 4-M6 on the pole assembly parts.

**Pole installation (optional)**

**Package information:**

Power	Product size	Package size	N. W	G.W	Optional pendant chain	Optional bracket for pole installation
60W	602X323X60mm (2modules)	680*400*200mm (2PCS/Cases)	6.00Kg	8.00Kg	0.30Kg	0.70Kg
100W	602X323X60mm (3modules)	680*400*200mm (2PCS/Cases)	7.60Kg	9.60Kg		
120W	602X323X60mm (4modules)	680*400*200mm (2PCS/Cases)	8.20Kg	10.20Kg		
150W	602X486X60mm (5modules)	680*560*200mm (2PCS/Cases)	10.20Kg	12.60Kg		
180W	602X486X60mm (6modules)	680*560*200mm (2PCS/Cases)	11.20Kg	13.60Kg		
100W	1165X323X60mm (2modules)	1240*400*200mm (2PCS/Cases)	10.20Kg	13.20Kg		
150W	1165X323X60mm (3modules)	1240*400*200mm (2PCS/Cases)	12.20Kg	15.20Kg		
200W	1165X323X60mm (4modules)	1240*400*200mm (2PCS/Cases)	14.20Kg	17.20Kg		
250W	1165X486X60mm (5modules)	1240*560*200mm (2PCS/Cases)	16.20Kg	21.40Kg		
300W	1165X486X60mm (6modules)	1240*560*200mm (2PCS/Cases)	18.20Kg	23.40Kg		





## Installation requirement :

1. Cut off the power supply first before installation.
2. Ensure that the installed object can bear the lamp weight. The installation bracket is fixed on the installed object surface reliably through bolts. Then the lamp is fixed on the installation bracket through bolts.
3. Then connect wire attached to the light onto the corresponding power cord and carry out insulation sealing at the joint.
4. If the suspended installation method is selected, please fix the suspension chain on the installation surface first. Then the lamp body is fixed through tripod and suspension chain hook.

## **!** Considerations:

1. Please read the product specification carefully first to confirm that the use environment is in line with the condition on the specification before it is used.
2. Please confirm the input voltage and frequency before use.
3. The light must be installed by professional personnel.
4. If the power cord and case of the products are damaged, it will be regarded as disqualified product and should not be used.
5. Dangerous high voltage. Non professional personnel should not repair.
6. If external soft cable or wire of the product is damaged, the wire should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.
7. The corrosion of use environment should not exceed provisions of the stipulated anti-corrosion grade in the specification. If there are special requirements, please contact our company.
8. Don't squeeze and press the lampshade.
9. The upper cover of power box is non stress-bearing parts. When you carry lamp, don't carry the cover only but hold the whole power box.