



# **Power and CCT Tunable LED Linear High Bay**

A smarter way to light up your business

## Product Appearance



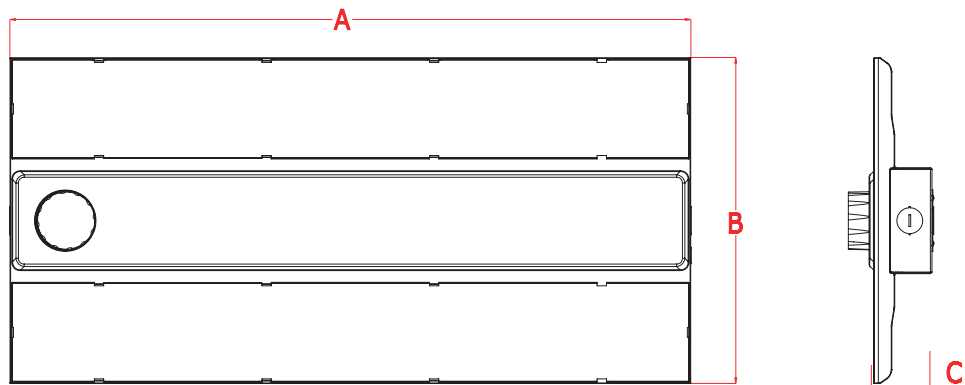
5 Year  
warranty



## Product Features

- 1. DLC5.1& FCC listed with LM79 & LM80
- 2. High luminous efficacy 140lm/w
- 3. High quality isolated driver, 0-10V dimming, Flicker free
- 4. PF>0.95, driver efficiency >93%, THD<20%
- 5. New generation die-cast aluminum design with light transmittance PC cover, and UGR<28.
- 6. Installation: hanging wire; Motion sensor and emergency battery can be added on.
- 7. Designed for warehouses, gymnasiums, and industrial spaces
- 8. Five year warranty

## Product Dimension

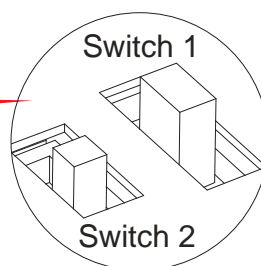
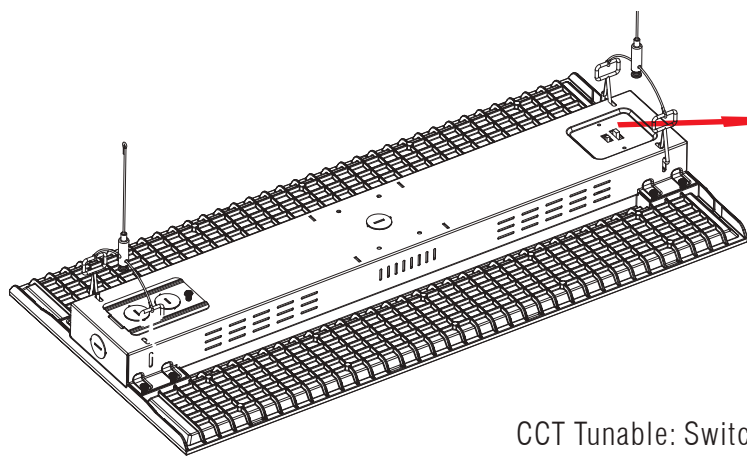


Mode	A (inch)(mm)	B (inch)(mm)	C (inch)(mm)
LHBG110VW-1VK	14.17"(360mm)	10.24"(260mm)	2.17"(55mm)
LHBG180VW-1VK	18.11"(460mm)	10.63"(270mm)	2.17"(55mm)
LHBG225VW-4VK	23.03"(585mm)	10.63"(270mm)	2.17"(55mm)
LHBG255VW-4VK	23.03"(585mm)	10.63"(270mm)	2.17"(55mm)



# Specification

Mode	Power (Tunable)	Input Voltage	Input Current	Light Efficacy	PF	Ra	CCT (Tunable)
LHBG110VW-1VK	110-130-165W	AC120-347V	1.65A	140lm/w	>0.95	>80	4000K-5000K
LHBG180VW-1VK	180-200-220W	AC120-347V	2.2A	140lm/w	>0.95	>80	4000K-5000K
LHBG225VW-4VK	225-275-320W	AC120-347V	3.0A	140lm/w	>0.95	>80	4000K-5000K
LHBG255VW-4VK	255-275-300W	AC120-347V	3.2A	140lm/w	>0.95	>80	4000K-5000K



Watt Tunable: Switch 1

3 Different Power Options:

LHBG110VW-1VK: 110-130-165W

LHBG180VW-1VK: 180-200-220W

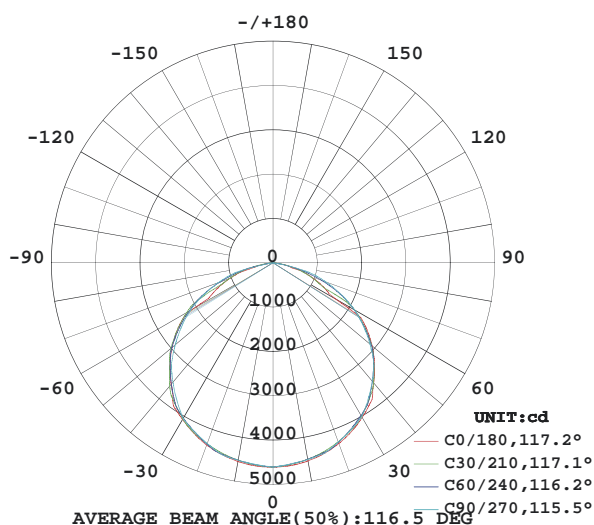
LHBG225VW-4VK: 255-275-300W

LHBG255VW-4VK: 225-275-320W

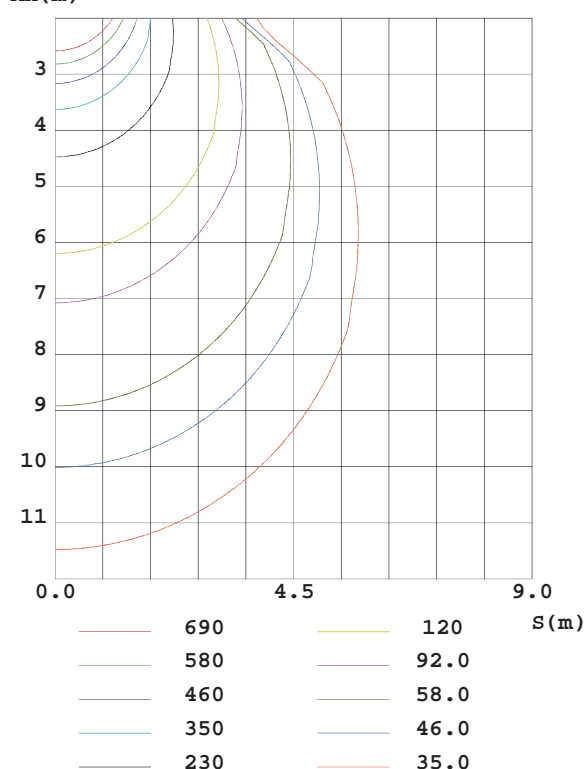
CCT Tunable: Switch 2  
4000K-5000K

# Testing Report

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

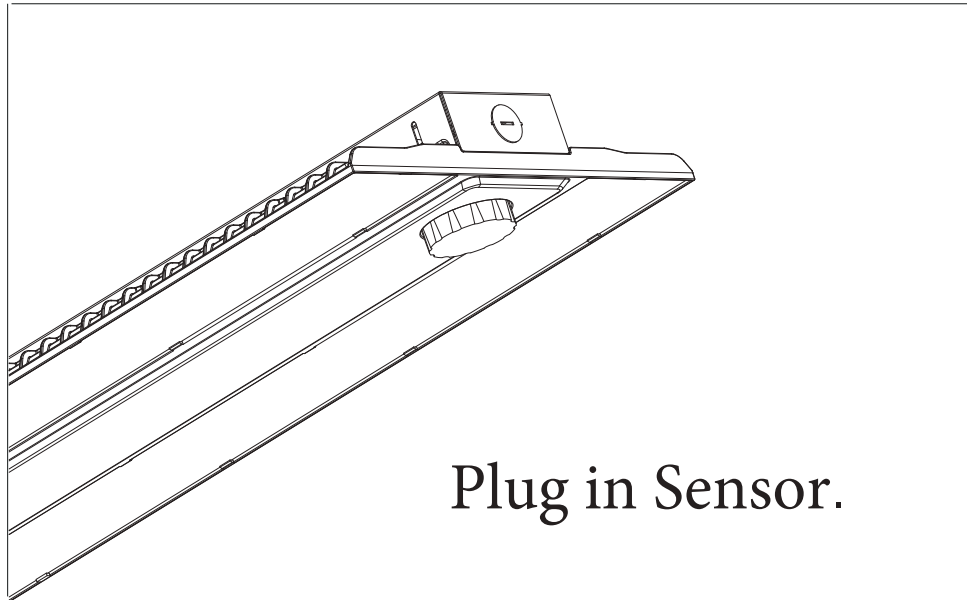


C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



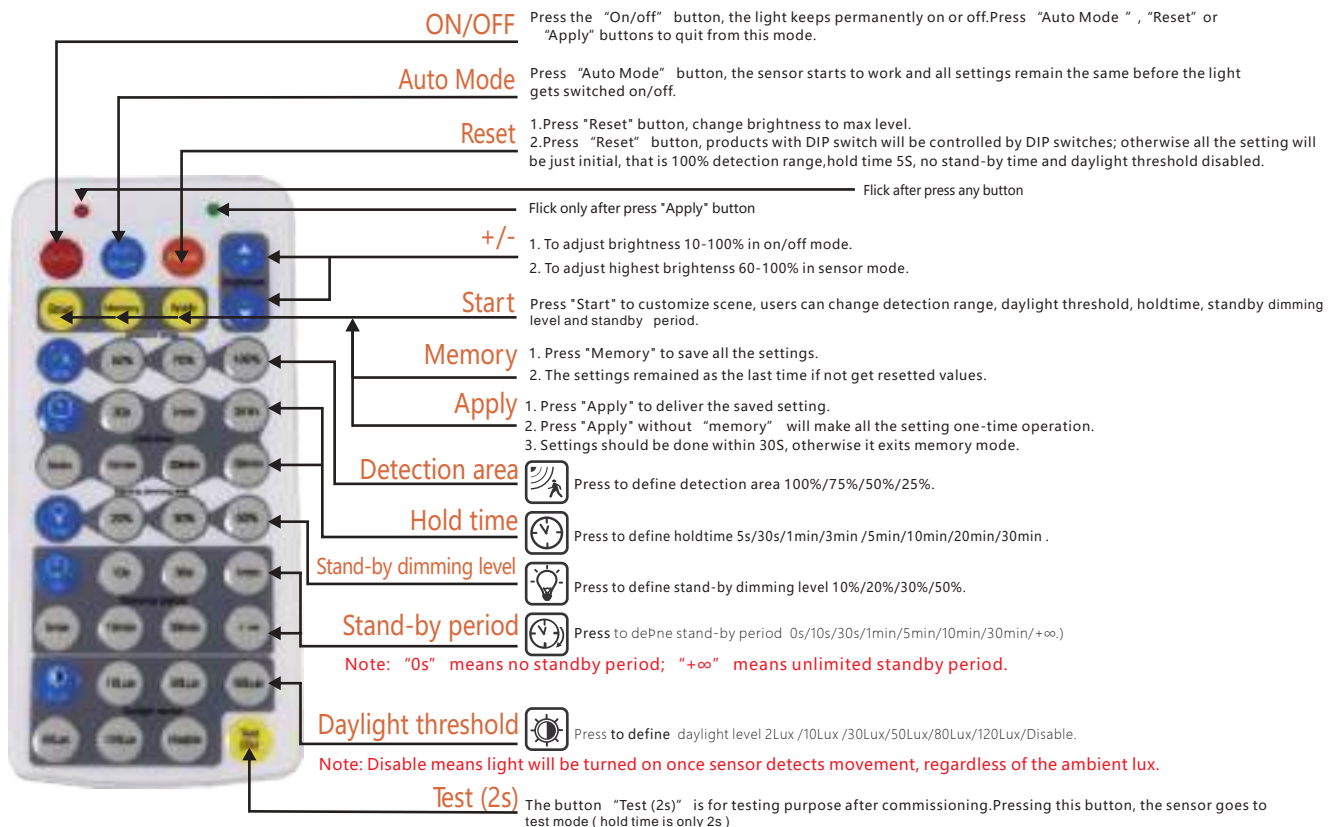
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## Sensor Option



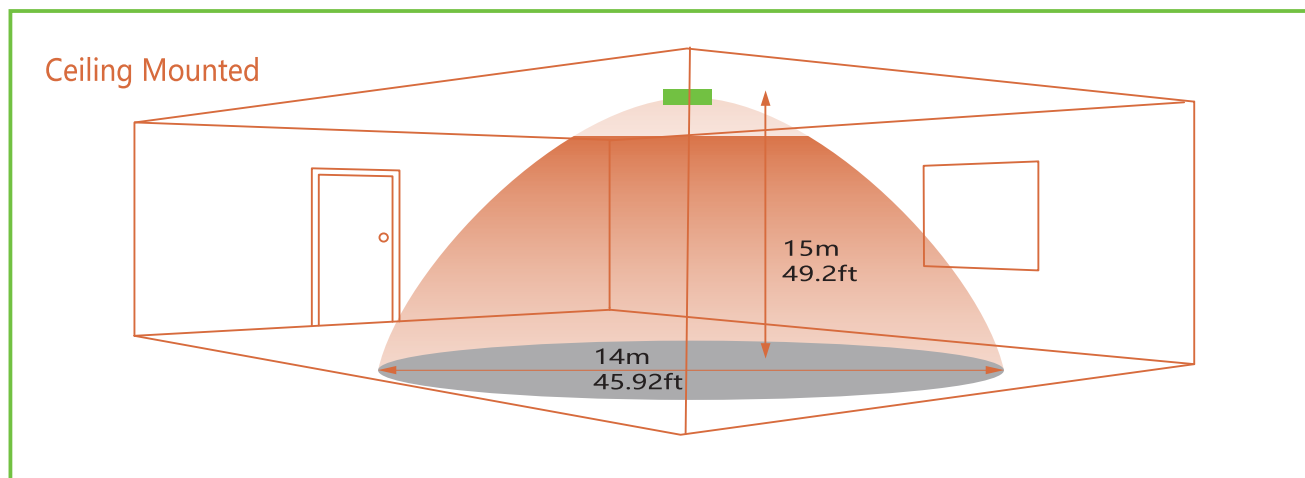
## Photocell sensor+ microwave sensor cap

- Customer can set it according to actual needs with a remote.



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## ● Detection Patterns



## ● Technical data

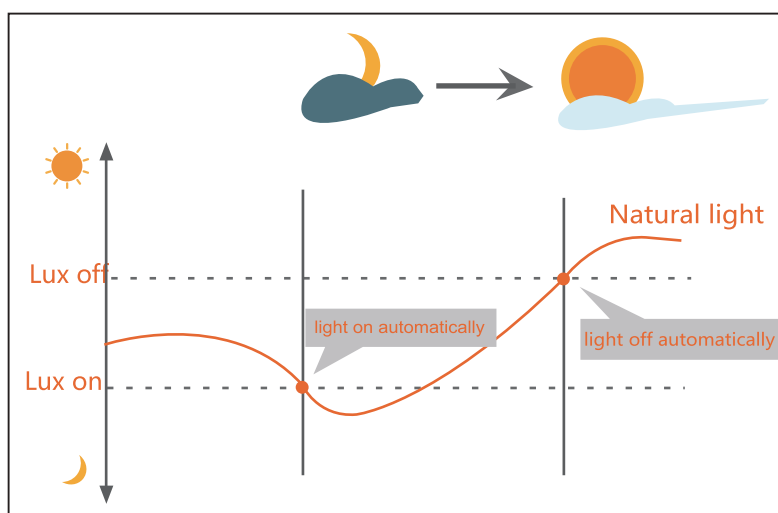
Operating voltage	10-15VDC
Operating current	30mA±5%
Output	DIM1-10V
Stand-by power	<0.5W
Detection area	25%/50%/75%/100%
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
Stand-by period	0s/10s/30s/1min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Mounting height	Max.15m/49.2ft
Detection range	Max.14m/45.92ft
Operating temperature	-20°C~+60°C

## ● Lux on/off

Adopted dual PD technology, it is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

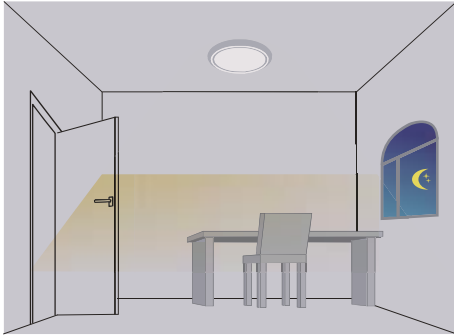
### Preconditions to use the Lux-off function:

1. Standby period is +∞;
2. Standby dimming level is on 10%, or 30%;
3. Daylight threshold is on 30Lux, 50Lux, 80Lux or 120Lux.



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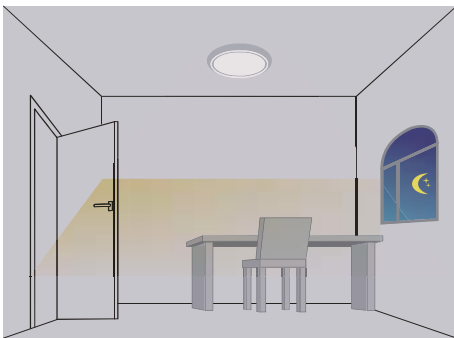
## ● Application——Lux on/off



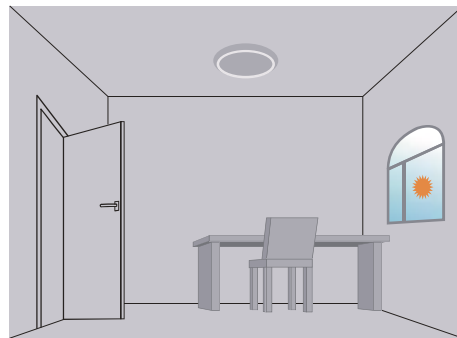
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected.

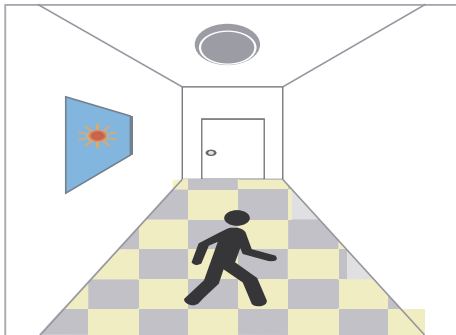


Light dims to standby level if no motion detected after holdtime.



Light off when ambient lux level is higher than preset lux amount.

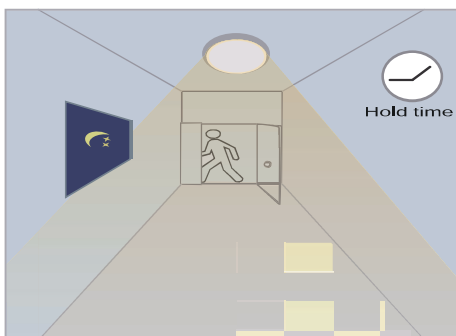
## ● Application——Dimmable control/Corridor function



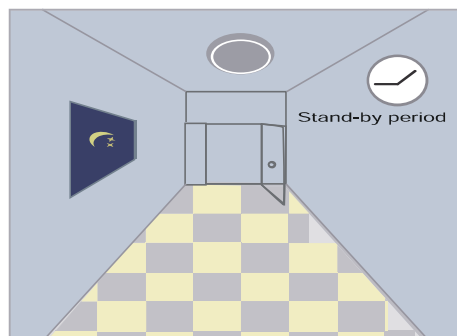
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the stand-by period, light OFF. After last detection, the light will be dimmed down to the stand-by dimming level (10%, 20%, 30% or 50%) after holdtime.



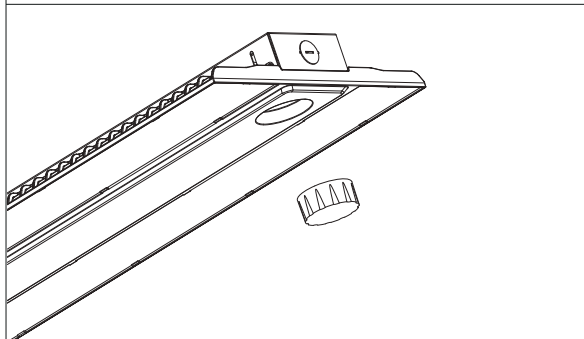
Light dims to standby level if no motion detected after holdtime.

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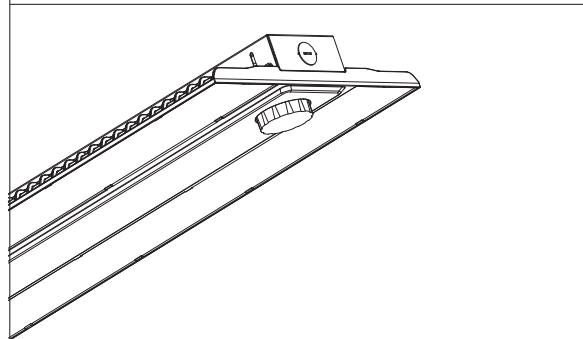
## INSTALLATION INSTRUCTIONS

Please cut off the power before installation

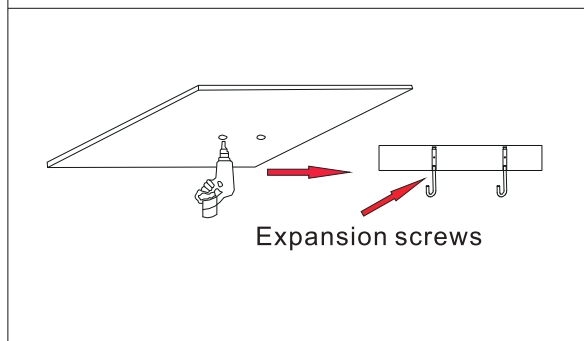
1. Remove the dust proof cover.



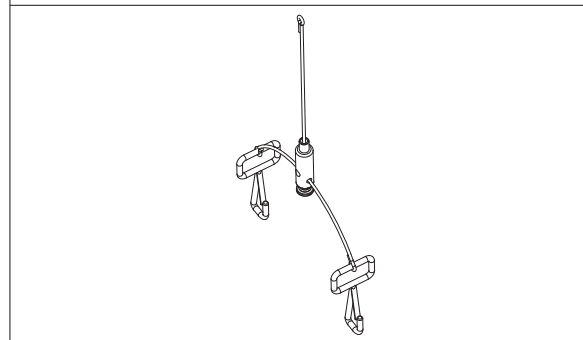
2. Installing a sensor.



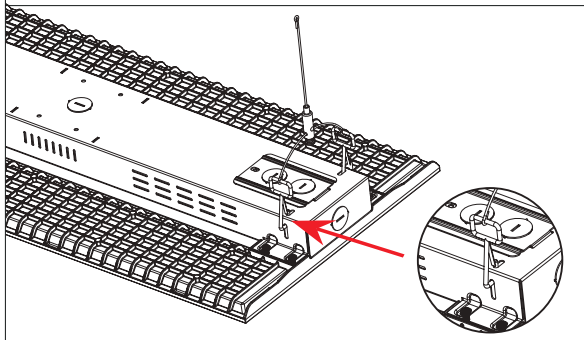
3. Drill two holes in the ceiling put the hook into the hole.



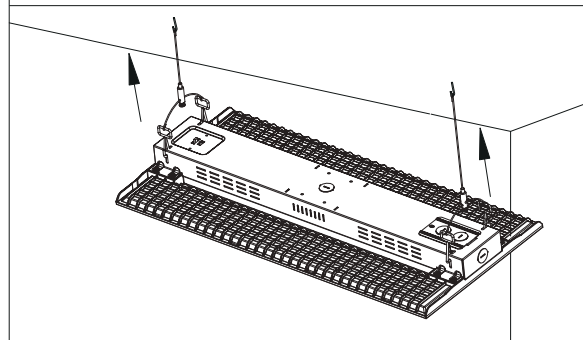
4. Take Y shape stainless steel rope out of the package.



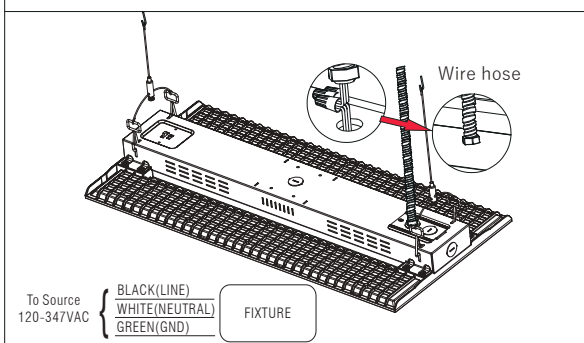
5. Insert the hook into the slotted holes as shown below.



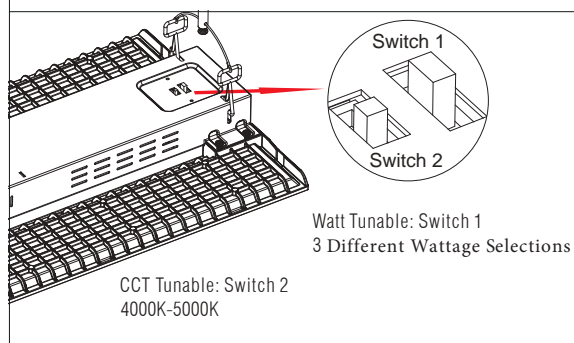
6. Hook up the safety steel on the ceiling anchor.



7. Turn off power, and make wiring connections with screw-on wire connectors insert the terminal cap and wires into the driver box.



8. Toggle the dip switch to required power.



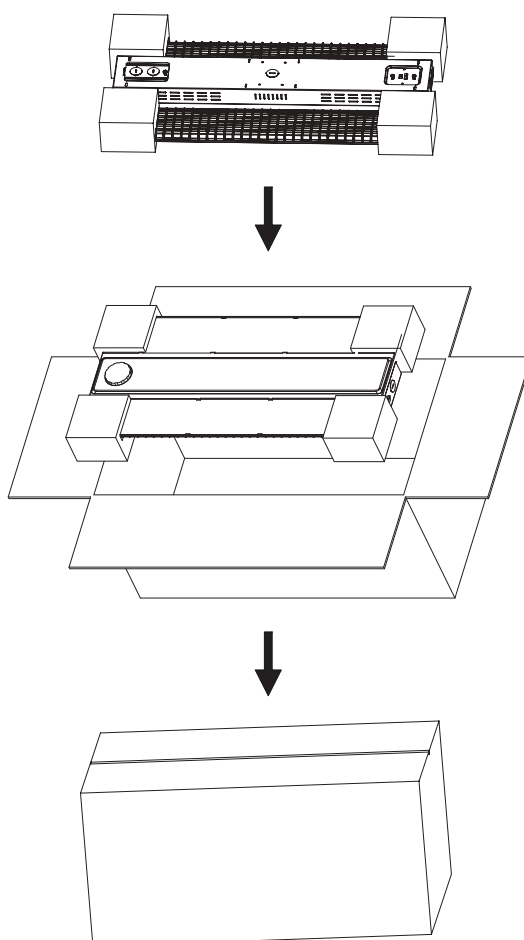


## Packing /weight

Part NO.	Outer Carton Size (LxWxH)	Qty/Carton (pcs)	Net weight (kg)(lbs)	Gross weight (kg)(lbs)	20GP (QTY)	40HQ (QTY)
LHBG110VW-1VK	15.94"*12.01"*11.81" (405*305*300mm)	4	7.84kg/17.28lbs	8.68kg/19.14lbs	2980	7028
LHBG180VW-1VK	19.88"*12.80"*11.81" (505*325*300mm)	4	10.32kg/22.75lbs	11.30kg/24.91lbs	2260	5324
LHBG225VW-2VK LHBG255VW-4VK	24.80"*12.80"*11.81" (630*325*300mm)	4	13.04kg/28.75lbs	14.14kg/31.17lbs	1816	4284

## Packing

4pcs/box



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## LED Linear High Bay



### Note

- 1.The installation and maintenance must be completed by electricians or professionals.
- 2.Please cut off the power before installation and maintenance.
- 3.The fixture is not allowed to be covered by thermally insulating material.
4. Please keep away from the corrosive substance,and keep the fixture dry and clean.
5. Working temperature:-4°F~104°F, storage temperature:-22°F~140°F.