

LED Linear Strip Light

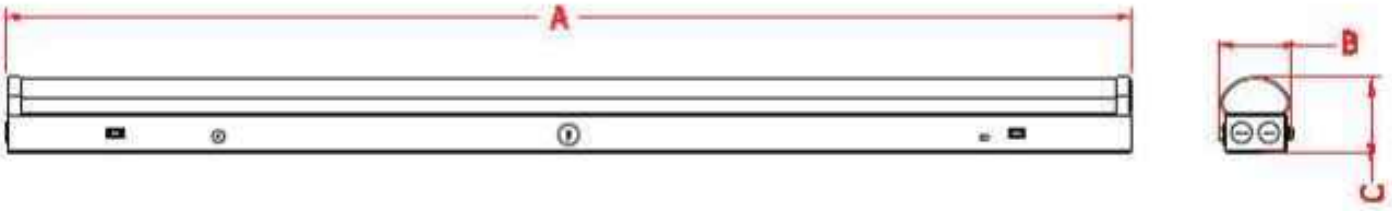
Product Appearance



Product Features

- 1. UL,CUL,DLC listed.
- 2. Power optional: 4FT 30-40-50-60-70W, 8FT 60-70-80-90-100W.
- 3. Lumen efficiency: 150lm/w.
- 4. 1-10V dimmable driver.
- 5. Input voltage: 120-277VAC .
- 6. Installation: Surface mounted // Suspension // Recessed
- 7. Five years' warranty.
- 8. Customers can install microwave sensor and bluetooth by themselves.

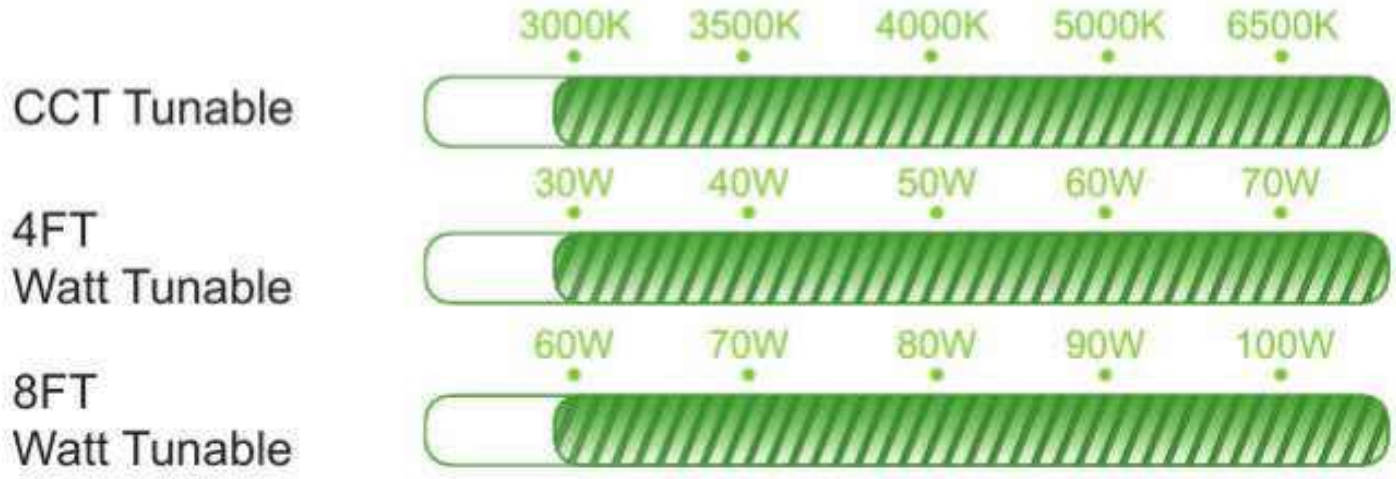
Product Dimension



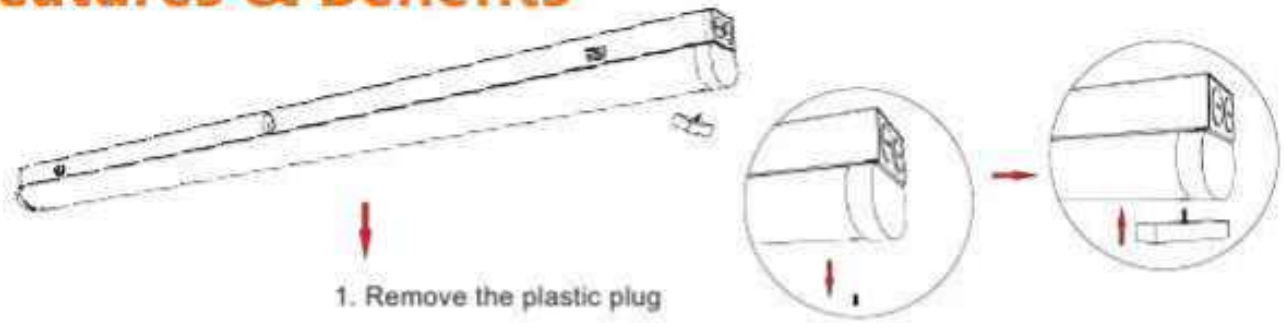
Model	size	A (inch)(mm)	B (inch)(mm)	C (inch)(mm)
GL-ST01-70W-H-XXXXK	4FT	48.03" 1220mm	2.95" 75mm	2.99" 76mm
GL-ST03-100W-H-XXXXK	8FT	95.98" 2438mm	2.95" 75mm	2.99" 76mm

Specification

Model	size	Power	Lnput Voltage	Dimmable	PF	Light Efficacy	Ra	CCT
GL-ST01-70W -H-XXXXK	4FT	30-40-50-60-70W	120-277V	0-10V	>0.9	150LM/W	80	3000-3500-4000-5000-6500K
GL-ST03-100W -H-XXXXK	8FT	60-70-80-90-100W	120-277V	0-10V	>0.9	150LM/W	80	3000-3500-4000-5000-6500K



Features & Benefits



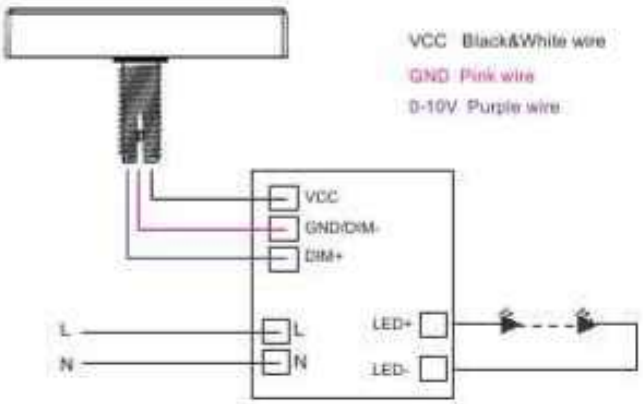
1. Remove the plastic plug



2. The sensor can be inserted into the aligned base

Model Number	Sensor Type	Connector	Controller
HD08VR-M-1	Microwave	Audio Jack	Remote Control HD06R
HD08VR-MB-1			HAISEN BLUE APP
HD08VR-P-1	PIR		Remote Control HD06R
HD08VR-PB-1			HAISEN BLUE APP
ANT-1P-5T			RC-100
ANT-1P-5T-BLE-GE			GEBC APP
IFS108-AUJ			Keilton APP

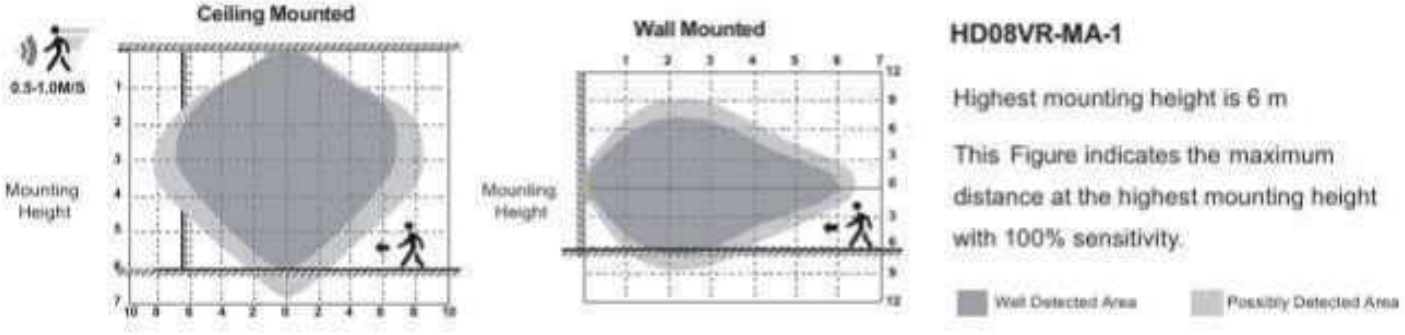
Networked Lighting Controls: HAISEN BLUE / GEBC / Keilton



Parameters

Model NO.		HD08VR
MICROWAVE INFORMATION	Frequency	5.8GHz±75Hz
	Microwave Power	<0.3mW
	Installation Height	5m/16.4Max.
	Detection Distance	≥3m/9ft
	Detection Angle	30·150° (Without Glass Cover)
SENSOR PARAMETER	Detection Area	25%/50%/75%/100%
	Holdtime	5s/ 30s/ 1min] 2min/ 3min/ 15min/ 20min/ 25min/ 30min/ 45min/ 60min/ 90min/ 120min
	Dayight Threshold	Disable/400Lux/350Lux/300Lux/250Lux/200Lux/120Lux/ 80LUx/5OLUx/30Lux/10Lux/2Lux
	Standby Dinmming Level	10%/20%/30%/50%
	Standby Period	0s/5s/30s/1min/2min/3min/5min/10min/15min/20min/ 25min/30min/45min/60min/+∞
	Dusk/Dawn Sensing/Photocell	Daylight threshold as 30lux/ 50lux/ 80lux/ 120jux/ 200Lux/ 250Lux/300Lux/ 350Lux/ 400Lux Standby period as +∞ Standby dimming level as 10%/20%/30%
	Daylight Harvesting	1. Adjust "daylight" value higher than 50lux 2. Preset "standby period" 0S 3. press MW/PIR button 3 times till MW/PIR icons both blicking on LCD screen, daylight harvesting function enabled. (With BLE verison, press DH button, daylight harvesting function enabled.)
BLUETOOTH INFORMATION	Wireless Control Range	≥20m/65ft
	APP Download	Supported in both APP Store and Google Play Market
INPUT	Lnput range	12VDC
	Voltage Range	10-15VDC
	Current	≥40mA
OUTPUT	Signal	DIM 0-10V
	Connection	TipDIM+, RingVCC, SleeveGND
	Stang-by Power	<0.5W
ENVIRONMENT	Working Temp	-25℃~+60℃
	Storage Temp	-40℃~+80℃ Humdlty:85% (non-xondensation)
CERTIFICATE & STANDARDS	Environmental Requirements	In accordance with CE ROHS
	IP Rating	IP20

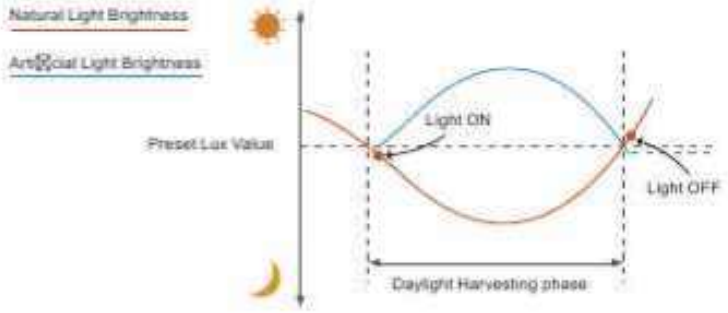
Detection Coverage

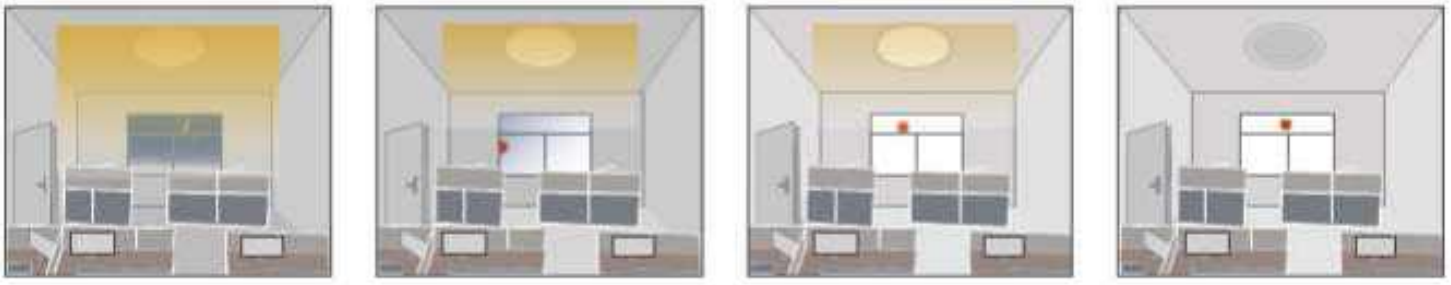


Performance

1. Daylight Harvesting

1. Adjust "daylight" value higher than 50lux
2. Preset "standby period" 0S
3. Press MW/PIR button 3 times till MW/PIR icons both blicking on LCD screen, daylight harvesting function enabled.



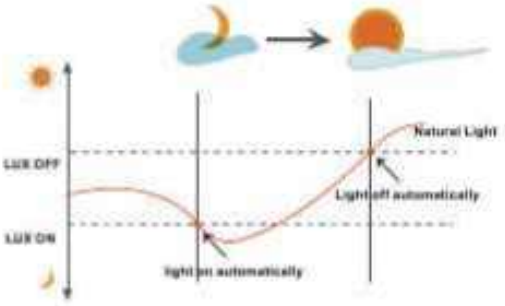


When ambient brightness is lower than preset lux level, sensor will turn on light automatically and keep dimming according to the change of the ambient brightness;
when outside is getting darker, the inside will be brighter, and brighter darker.

Light OFF when ambient brightness becomes higher
than the preset lux level.

2.Dusk/Dawn function

HD08VR 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.



Precondition of Dusk/Dawn function:

1. Standby period is + ∞ ;
2. Standby dimming level is on 10%,20% or 30%;
3. Daylight threshold is on :30lux/ 50lux/ 80lux/ 120lux/ 200Lux/ 250Lux/300Lux/ 350Lux/ 400Lux

3. With Dusk/Dawn function



With insufficient ambient brightness, sensor turns on light and keeps it at standby dimming level even if there is no motion or persence.



When sensor detects motion or presence it will bring the light level up to 100%.



After motion is no longer detected,fixture remains at 100% for hold time.



After pre-set hold time period it will dim light to standby dimming level again and always keep it.



With sufficient ambient brightness, sensor will turn OFF light automatically.

4. Without daylight disabled



Sensor turns ON light when motion is detected.



Sensor keeps for a hold time period after motion leaves



Sensor dims light to standby dimming level after hold time if there is still no motion



Sensor turns OFF light after standby period

5. With Daylight Threshold



With sufficient daylight, the sensor keeps light OFF even motion gets detected



With insufficient daylight, the sensor turns light ON when motion gets detected



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



After holdtime, sensor dims light to standby dimming level for standby period. if the standby period has been set as On, sensor turns light OFF automatically after holdtime.



The sensor turns OFF light automatically after the standby period when there's no motion detected.

APP DOWNLOAD

Our app HAISEN BLUE has been uploaded onto APP Store & Google Market



SIGN UP/LOG IN

Please select the region as US (because the server is located in the US.)
if you signing up with phone number; or with mail address without region destriction.

Log in if you already have account.

PROJECT MANAGEMENT





CREATE PROJECT

The app is specially designed for industrial project application, not only to control the SMART SENSORs but also HAISEN's Emergency Driver.
It requires you to start a new project first before going on add or control devices.

CONTROL

Select the sensor or group to control it.



CONTROL PAGE -1



CONTROL PAGE -2

HIGH-END TRIM

High-end Trimming is a very practical function for customers who prefer to have less than 100% brightness everytime the sensor detects motion, and our steps to approach it is very easy.





STEPS

- Dim the light to a level, for example 76%, simply by moving the block.
- Press "sensor" at the bottom center and start making a program
- Tthen press "A" means running automation.
- After setting, the sensor works as dimming to only 76% everytime it detects motion.

DAYLIGHT HARVESTING

Daylight Harvesting function offers the possibility to dim the light brightness along with the change of natural brightness; when outside gets darker, indoor environment should become brighter.



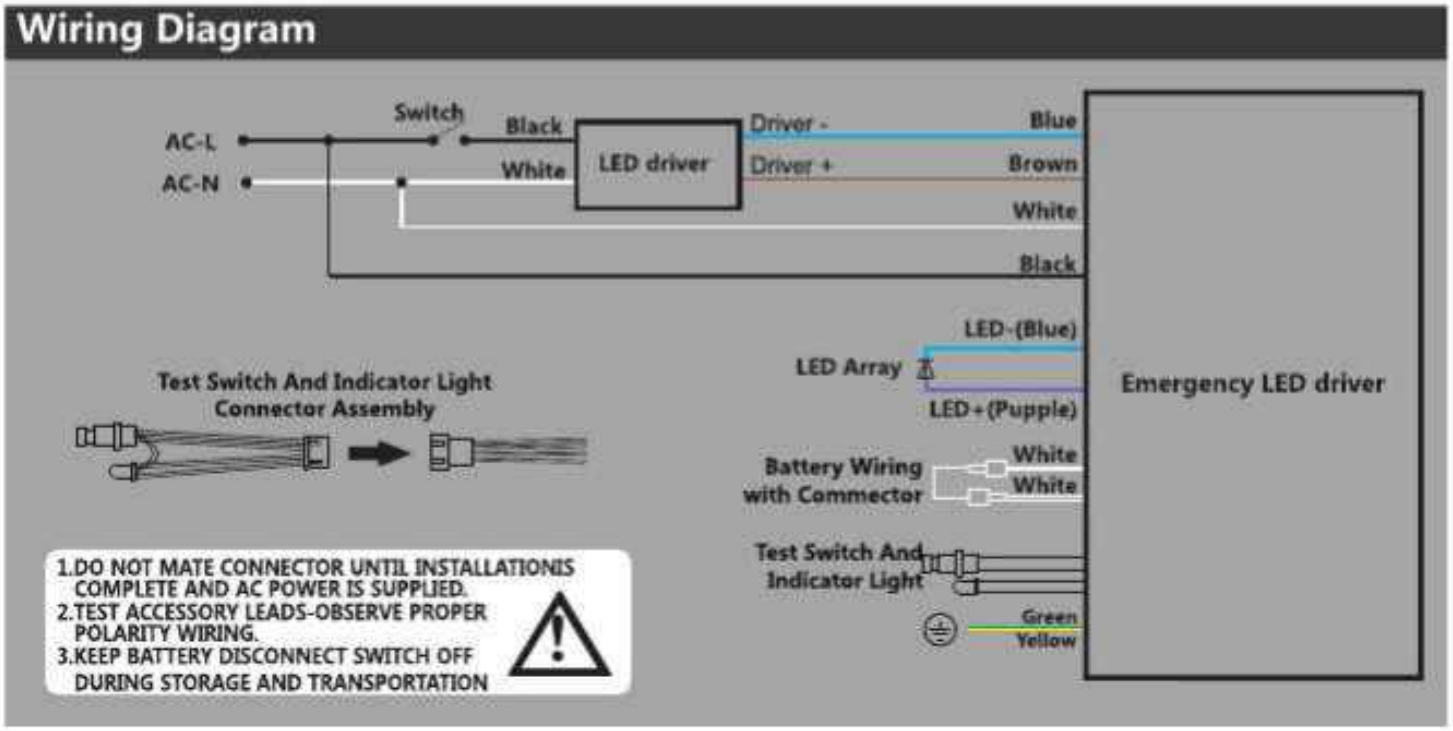


STEPS

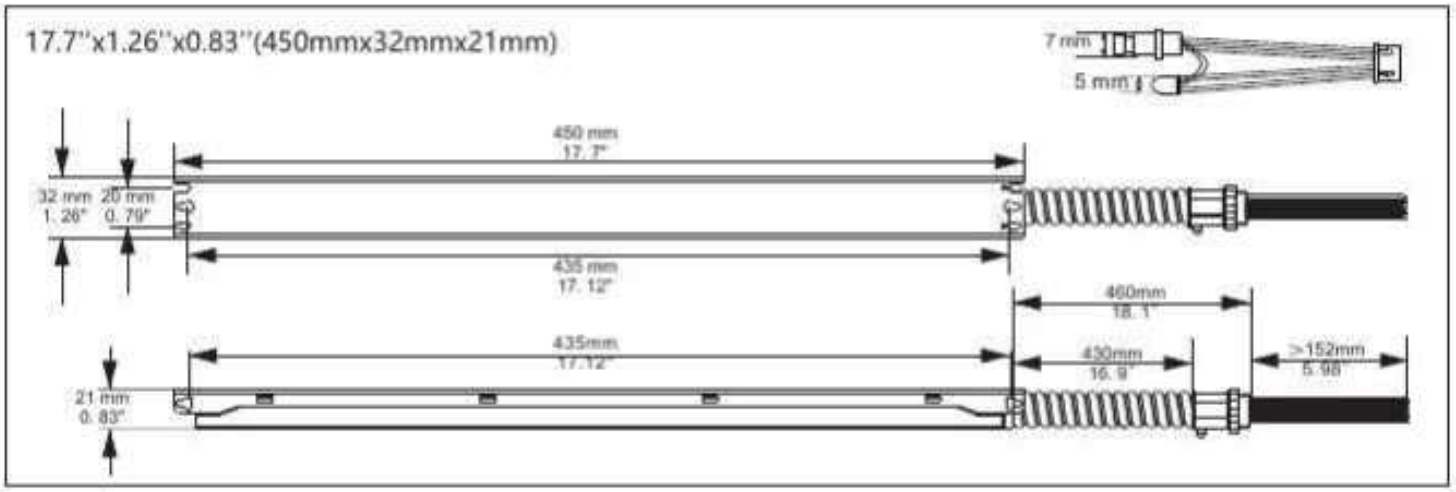
- Press "sensor" at the bottom center and start making a program, daylight must be chosen higher than 50lux, meanwell the standby period should be 0S.
- Back to the mainpage and press "DH" button

Emergency LED Driver

Wiring Diagram



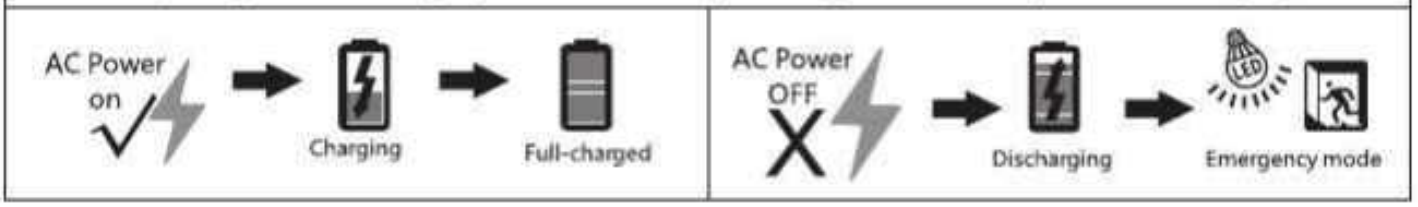
Dimensions



Operation

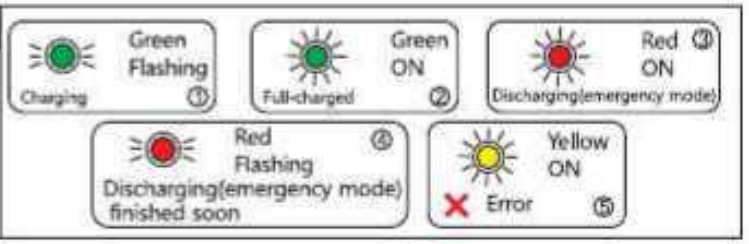
AC Operation:
AC power is present, The LED load from the LED driver is normal power supply, AC LED driver output current can not exceed 150W or 4A,the emergency driver is charging in a standby mode. The green LED light flashes indicates that it is charging. The green LED light on indicates that it is full charged. After the AC power supply working 48h, The emergency LED drive will automatically from AC power working switch into emergency working mode for 30S every month and then automatically backs to the working mode of the AC power supply, the AC power supply works per year for automatically from the AC power mode backs to the working emergency mode Until the emergency discharge is completed.

Emergency operation:
When the AC power goes out ,The emergency driver detects the AC power outage and automatically switch to the emergency mode.



Indicator light introduction

① Green/flashing: Charging
② Green/on: Full-charged
③ Red/on: Discharging(emergency mode)
④ Red/flashing: Discharging(emergency mode) finished soon
⑤ Yellow/on: Error



Test switch introduction

Press the test switch to confirm whether the emergency function is normal



IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following

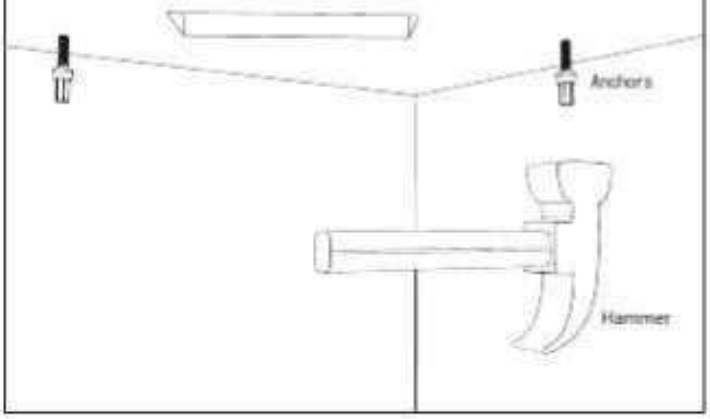
READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED Emergency Backup. Check for enclosed wiring and components.
- Risk of fire or electric shock.This LED Emergency Backup installation requires knowledge of luminaire. electrical systems. If not qualified,do not attempt installation.Contact a qualified electrician.
- Before installing,make certain the AC power to the fixture is off.
- The electrical rating of this product is 100-347Vac.Installer must confirm that there is 100-347Vac to the fixture before installation.
- To prevent electrical shock only mate unit connector after installation is complete and before the AC power to the fixture is back on.
- This LED Emergency Backup unit requires an un-switched AC power source of 100-347Vac,50/60Hz The AC driver must be on the same branch circuit as the LED Emergency Backup unit.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not use out doors
- Do not connect battery pack connector until all other wiring is complete and AC power is on.
- The emergency LED driver is for use with grounded,ULlisted LED luminaires,shall be enclosed by the LED luminaire and bonded to the grounding of LED luminaire.
- Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- The battery pack is fixed by the screw and the indicator lamp is attached to the shell of the laminaria by3M tape
- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer and may cause an unsafe condition.
- Do not use this equipment for other than its intended use.
- Use with grounded, UL Listed, dry or damp location rated fixtures.

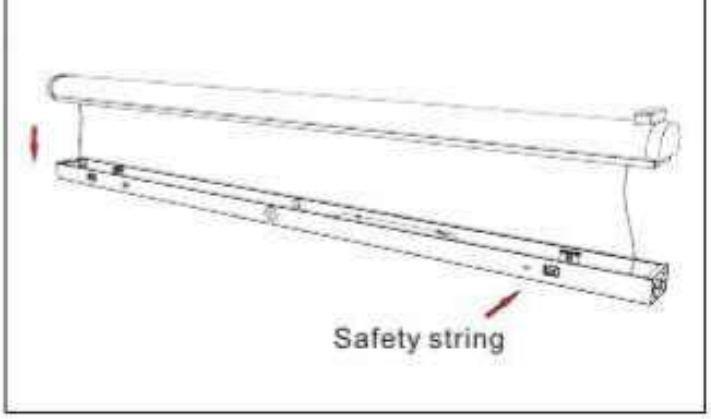
Installation

Surface Mounted Installation

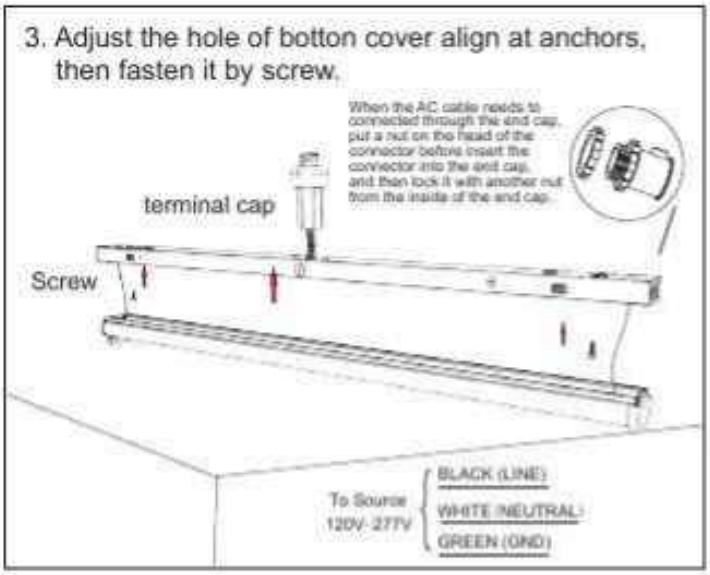
1. Insert the Anchors into the hole as picture.



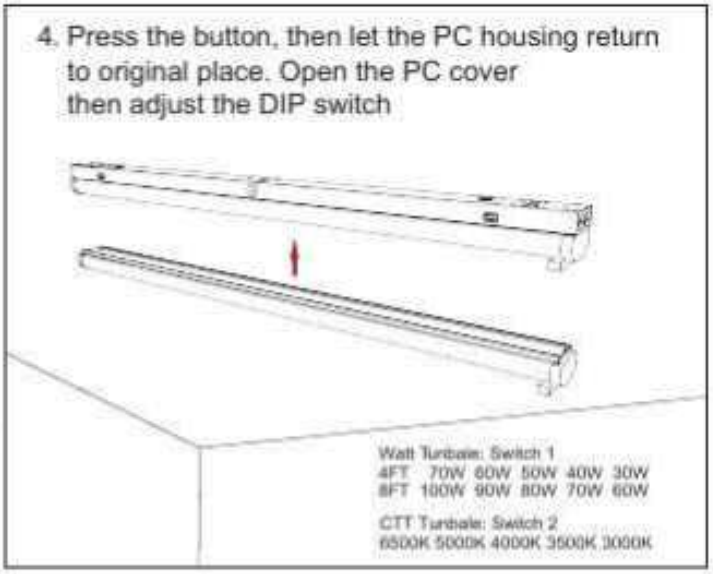
2. Press the button then open the PC housing.



3. Adjust the hole of botton cover align at anchors, then fasten it by screw.



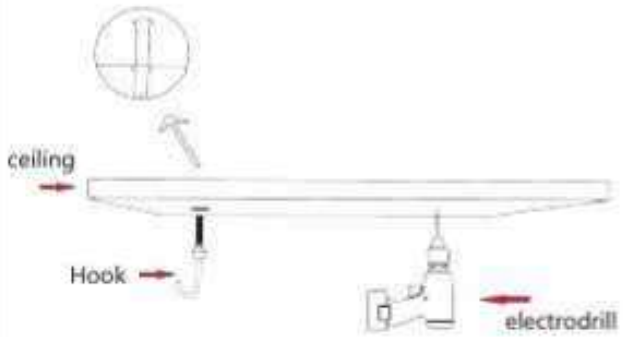
4. Press the button, then let the PC housing return to original place. Open the PC cover then adjust the DIP switch



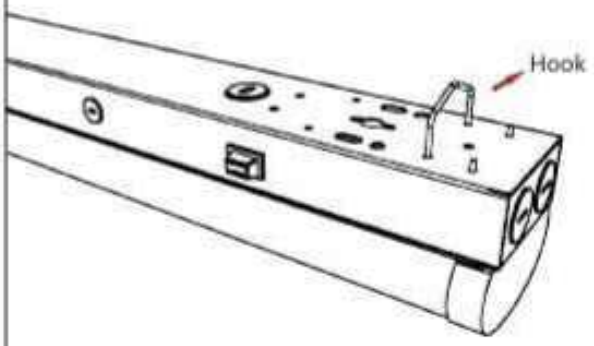
Installation

Suspension installation

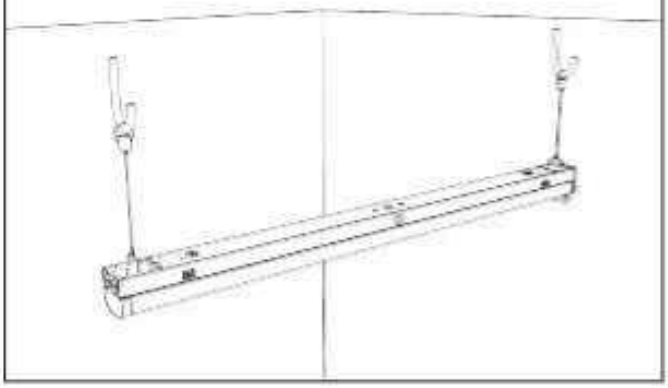
1.Drill two holes in the ceiling with electrodrill, put the hook into the hole.



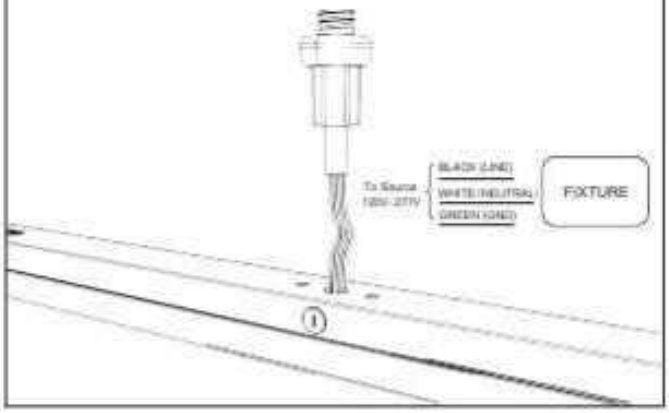
2.Put the hook into the holes as picture.



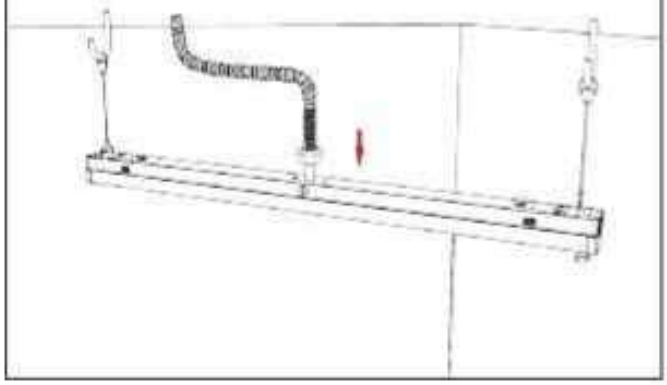
3.One side of safety rope to connect the hook, the other connect the lifting hook.



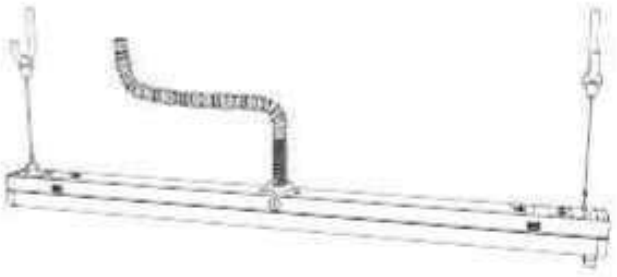
4.Turn off power, and make wiring connections with terminalcap.(see wiring instrucion below).



5.Insert the terminal block and wires into the strip.



6.Insert the wire terminal joint to the wire entry.



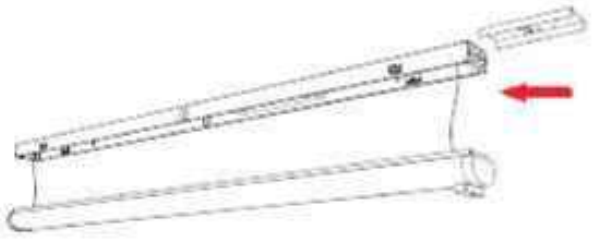
Watt Tunbale: Switch 1
4FT 70W 60W 50W 40W 30W
8FT 100W 90W 80W 70W 60W

CTT Tunbale: Switch 2
6500K 5000K 4000K 3500K 3000K

Installation

Connection for option

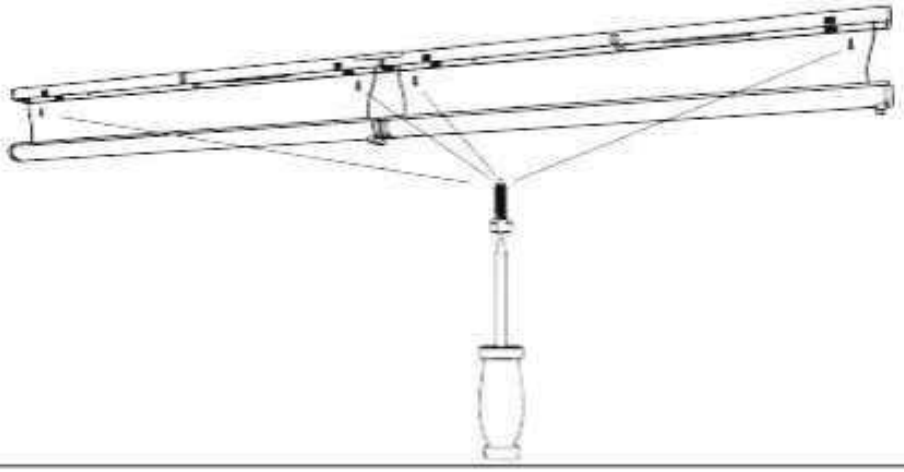
1. Fix the connection bracket on the wall.



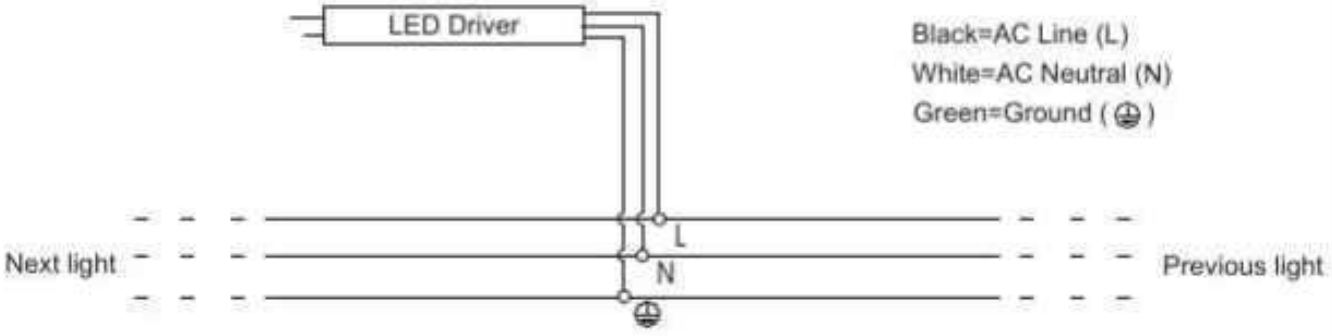
2. Insert the strip light into the connection bracket, then drill holes at a suitable position in the wall for installing the next strip light.



3. Fix the lamp body on the wall by screws, complete the installation; repeat the previous procedure to install the 3rd strip light, 4th strip light etc.



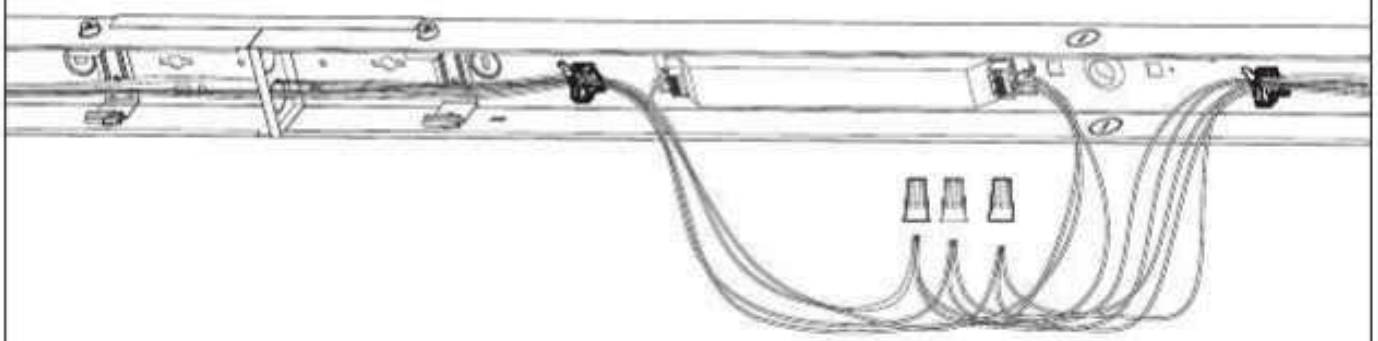
4. Wiring schematic as shown.



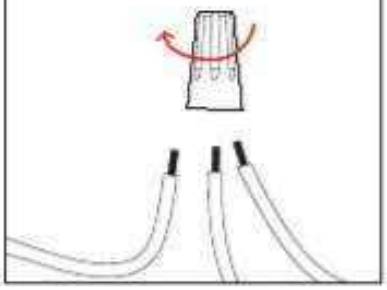
Installation

Connection for option

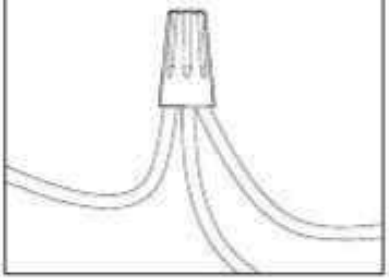
5. Pass wires through the knockout hole, fix the wires with 3M glue.



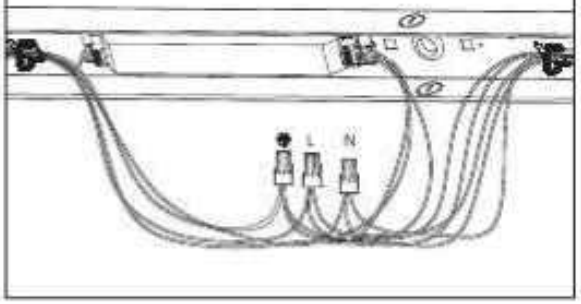
6. The same type of electronic wires are inserted into the same quick connector and combined into a pqrallel circuit.



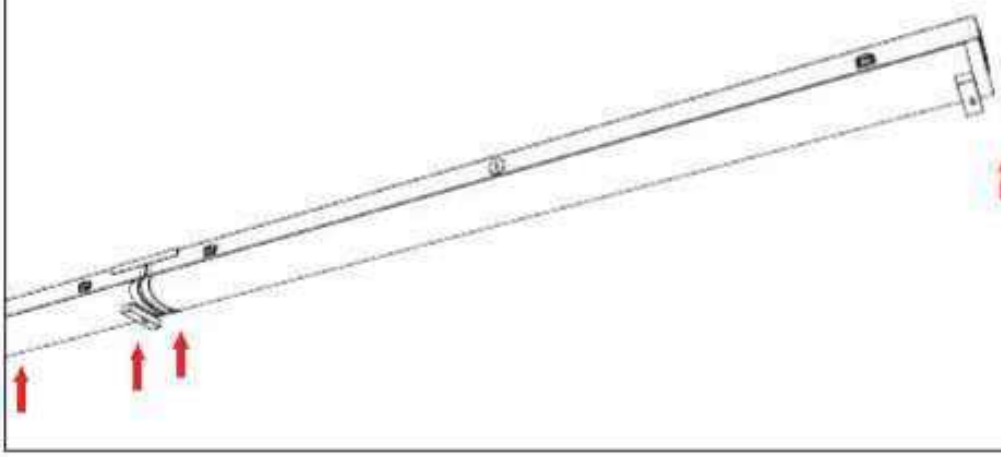
7. Tighten the wires in the quick connector, as the photo shows below.



8. As shown in the figure, it is the diagram of wiring completion.



9. After finished wire connecting and install back the housing, Light up.

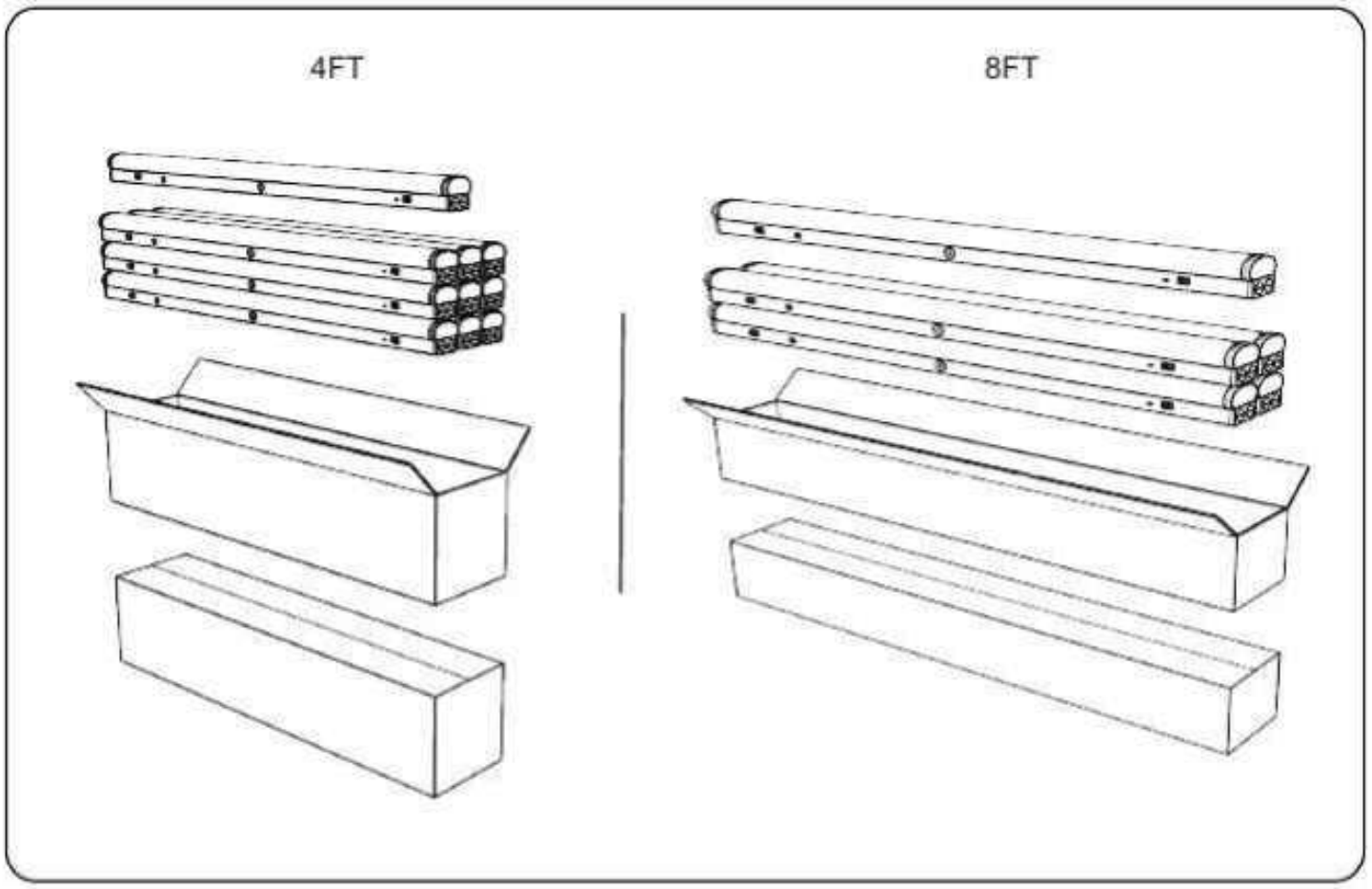


The Installation must be carried out by a qualified electrician.

Packing/weight

Part NO.	Outer Carton Size (LxWxH)	Qty/Carton (pcs)	Net weight (kg)(lbs)	Gross weight (kg)(lbs)	20GP (QTY)	40HQ (QTY)
GL-ST01-70W-H-XXXXK	(1230x234x242mm) (48.42"x9.21"x9.53")	9PCS	1.5kg 3.31lbs	15.3kg 33.73lbs	3600	8496
GL-ST03-100W-H-XXXXK	(2455x160x165mm) (96.65"x6.30"x6.5")	4PCS	2.8kg 6.17lbs	13.2kg 29.1lbs	1664	3928

Packing





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 tempe: -4°F~104°F, storage temperature: -22°F~140°F.