



Up-shine<sup>®</sup> Lighting



Technical Application  
Guide for UP-SHINE  
LED Pendant Linear  
UP-DB08-1500-47W-S

# Introduction



The design of batten realizes low cost, simple construction and superior capability, milky PC diffuser achieves anti-glare and high light transmittance. It is made of high lumen 2835SMD led chip, energy saving, instant start, no flickering, no noise & UV/IR radiation, environmental friendly without Mercury or any other hazardous substances. It is a high efficient and low cost product with quite large potential market. Ideal replacement led batten for various applications such as parking lot, aisle, warehouse, underground passage, workshop etc.

- Aluminum components generate a rust-free product for less maintenance
- Opal Acrylic Diffuser
- Up to 70% energy saving compared to standard CFL
- Environment friendly, without Mercury or any other hazardous substances

## Microwave Sensor

Detection area:

- ◆ 140 degree wide detective beam angle with 5~7 meters distance.

Working pattern:

- ◆ In any given lighting condition, the light switches on automatically when presence detected.
- ◆ After presence left, light will continuously work within time-delay (60 seconds), then switch off automatically.
- ◆ After presence left, any movement detected within time-delay (60 seconds), the light will continuously work for another hold time (60 seconds), then switch off until next movement detected.
- ◆ Hold time: 60S

## Application Areas

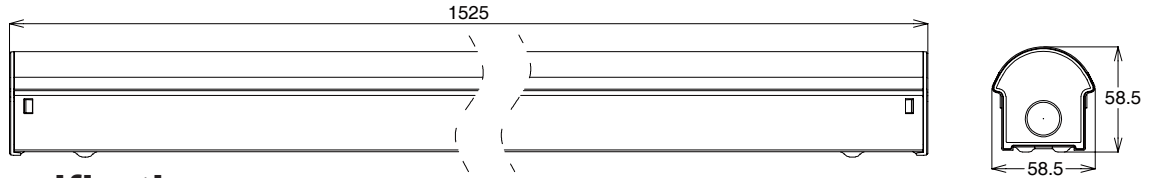
Widely used in indoor areas such as parking lot, aisle, warehouse, underground passage, workshop etc.

## Certificate

CE RoHS



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-DB08-1500-47W-S	AC230V	47W	≥0.9	4460	120°	3000K	40000h	≥80	No	L1525*W58.5*H58.5mm
UP-DB08-1500-47W-S	AC230V	47W	≥0.9	4860	120°	4000K	40000h	≥80	No	L1525*W58.5*H58.5mm
UP-DB08-1500-47W-S	AC230V	47W	≥0.9	4590	120°	5000K	40000h	≥80	No	L1525*W58.5*H58.5mm
UP-DB08-1500-47W-S	AC230V	47W	≥0.9	4500	120°	5700K	40000h	≥80	No	L1525*W58.5*H58.5mm

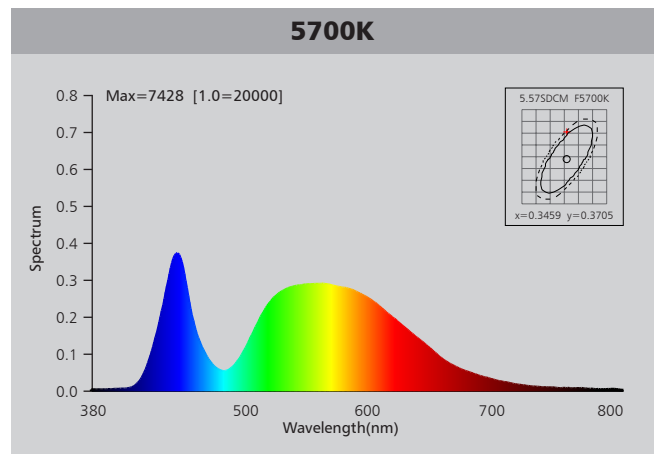
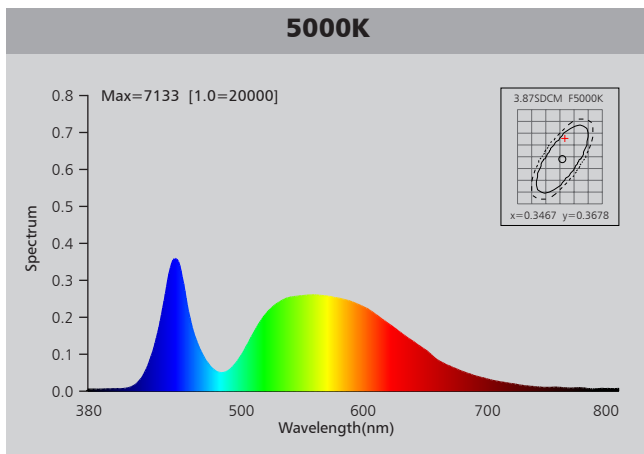
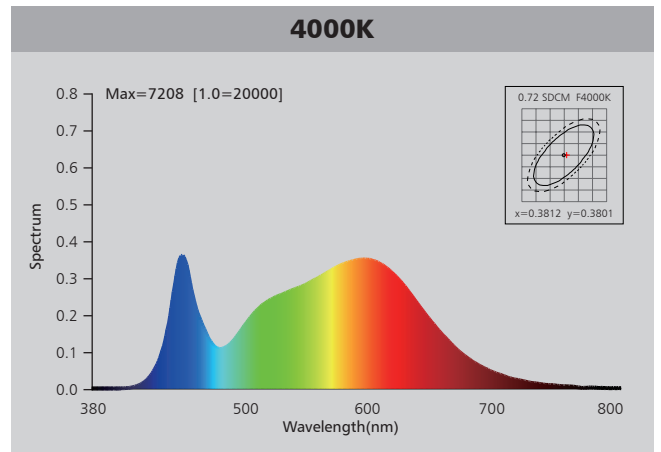
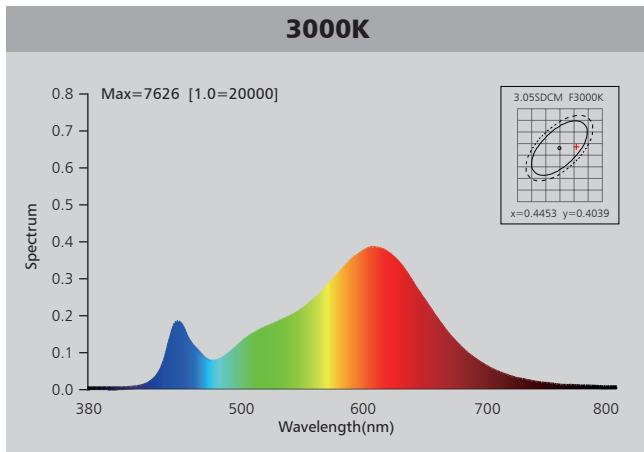
## Driver data Sheet

Driver data	Sensor	Main Power
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	—	≥85%
No load wattage	—	≤0.5W
Total load Wattage	2W±0.5W	45W±5%
Power Factor	—	≥0.9
Rated input current	≤0.02A	≤0.23A
Full load output Voltage	—	60-75V
Rated output current	—	620mA
Output current range	—	620mA±5%
Power tolerance	—	±5%
Current output tolerance	—	±5%
Hold time	60S	—
Detection distance	5-7m	—
Short circuit protection	—	PASS
Over voltage protection	—	PASS
Over temperature protection	—	—
THD	—	<18%
Withstand voltage	—	AC1500V

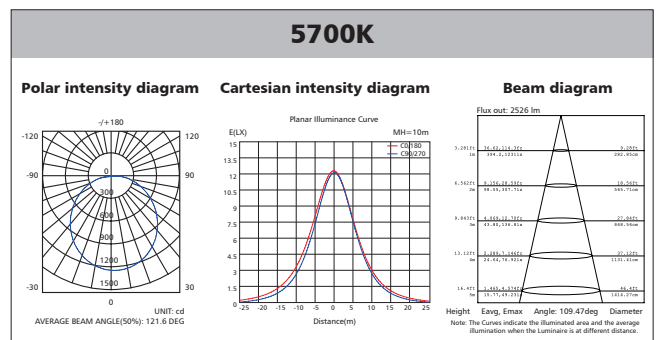
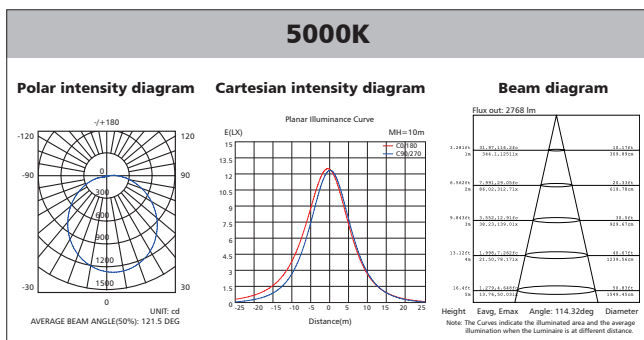
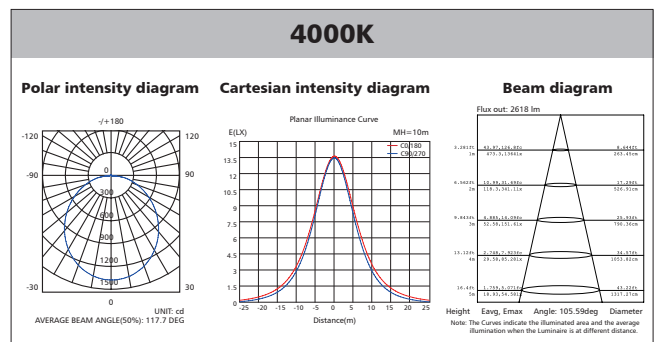
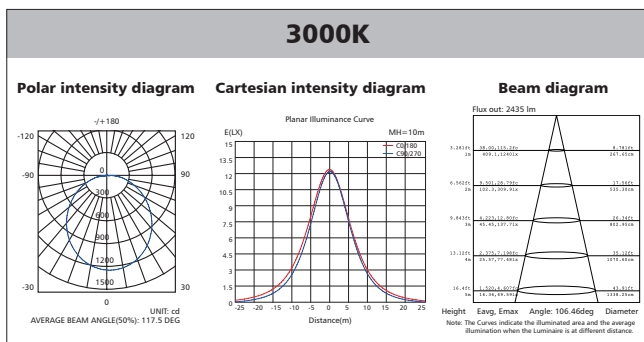
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
47W	I	IP20	-20°C~45°C	0~90%	-20°C~65°C

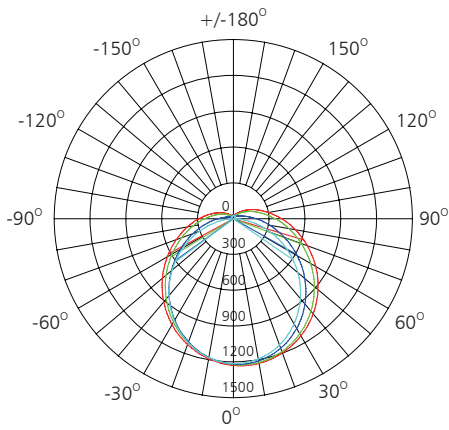
# Spectral Distribution



# Photometric Diagram



# Polar Diagram Comparison

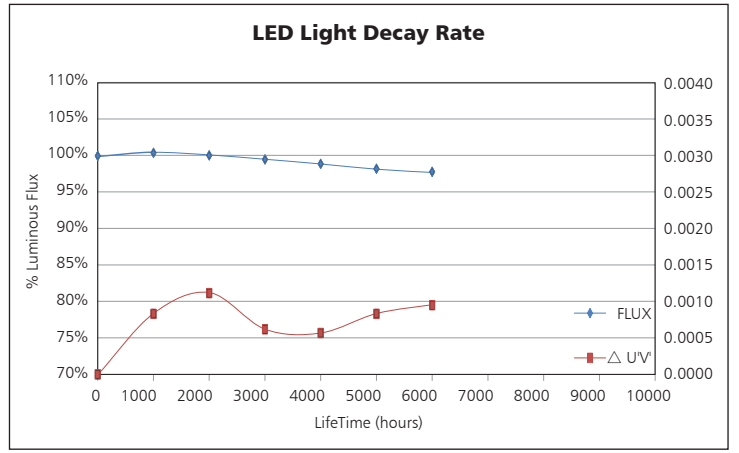
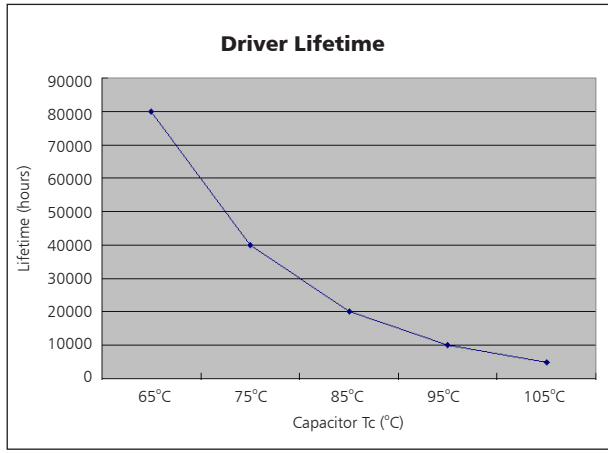


- UNIT: cd**
- C0/180, 134.8 deg
  - C30/210, 128.0 deg
  - C60/240, 114.6 deg
  - C90/270, 109.1 deg

AVERAGE BEAM ANGLE (50%): 121.6DEG

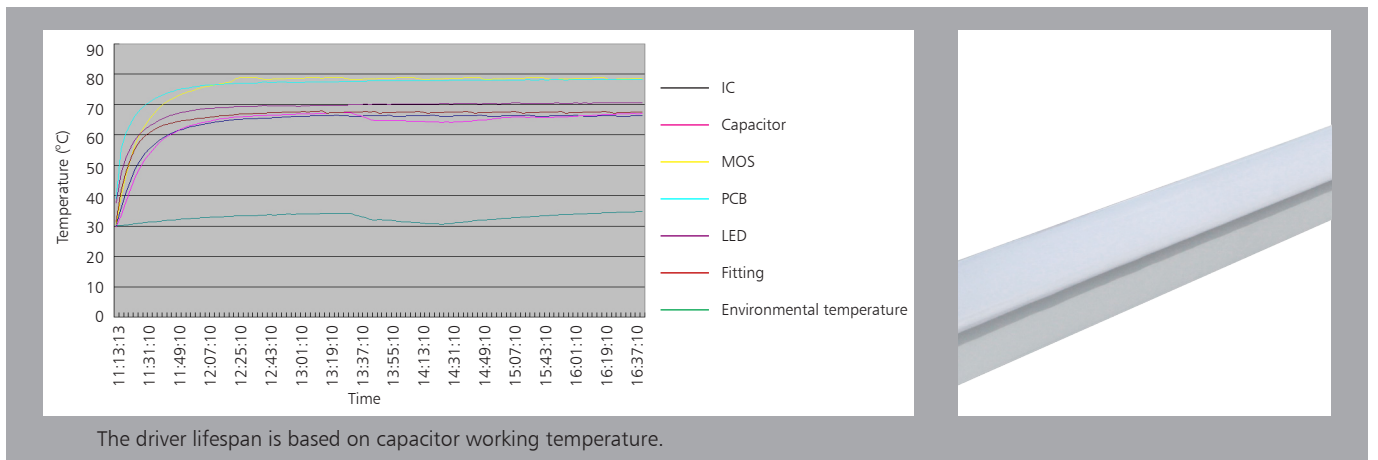


# Driver lifetime & LED light decay rate



# Temperature

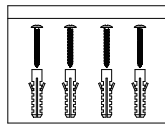
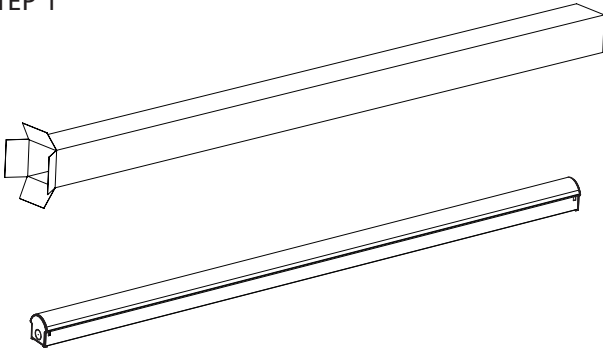
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

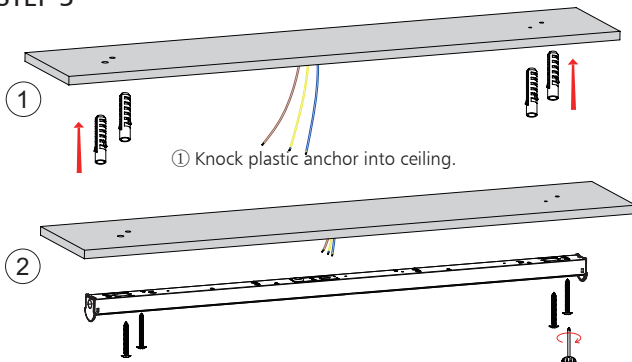
# Installation 1

## STEP 1



Open the packing and take out the lamp

## STEP 3

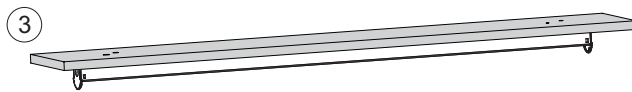


① Knock plastic anchor into ceiling.

② Connect L/N to terminal block.

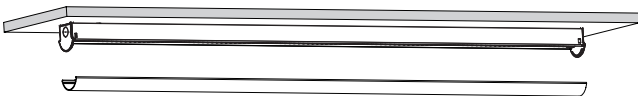


L = SWITCHED  
N = NEUTRAL  
E = EARTH



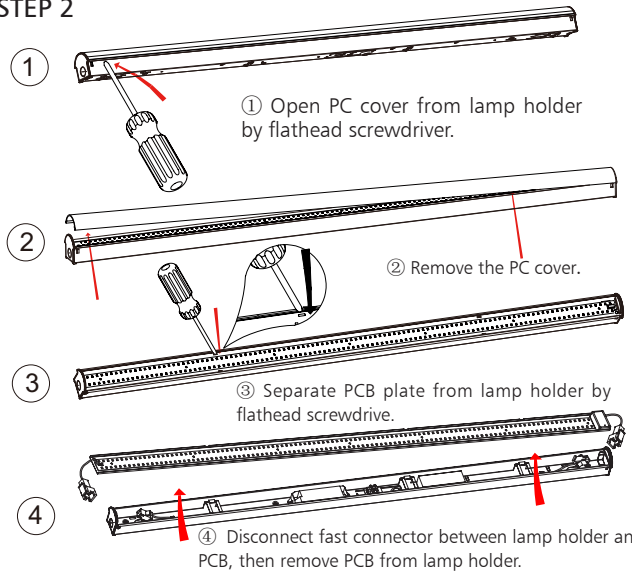
③ Fasten lamp holder into ceiling with screw.

## STEP 5



Pushing PC cover back to lamp holder by hands, until it is firmly fixed.

## STEP 2



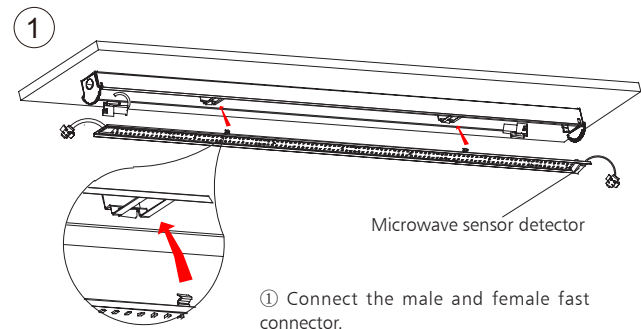
① Open PC cover from lamp holder by flathead screwdriver.

② Remove the PC cover.

③ Separate PCB plate from lamp holder by flathead screwdriver.

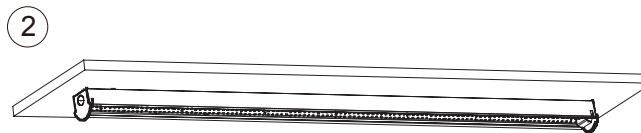
④ Disconnect fast connector between lamp holder and PCB, then remove PCB from lamp holder.

## STEP 4



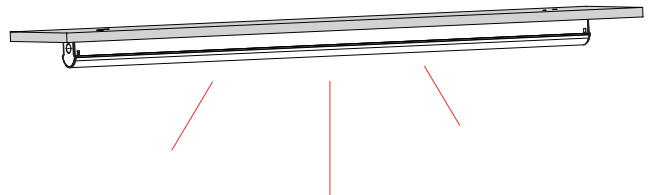
Microwave sensor detector

① Connect the male and female fast connector.

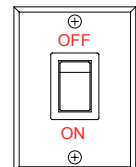


② Put the PCB plate back into lamp holder by pushing it upward directly, until it is attached to lamp holder tightly.

## STEP 6

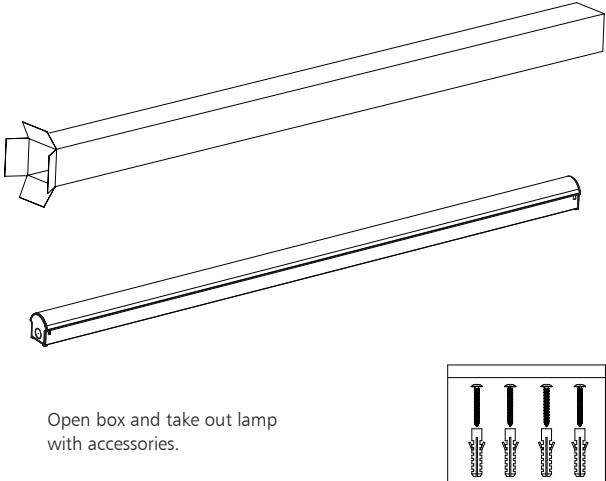


Restore mains power and switch on for correct operation.



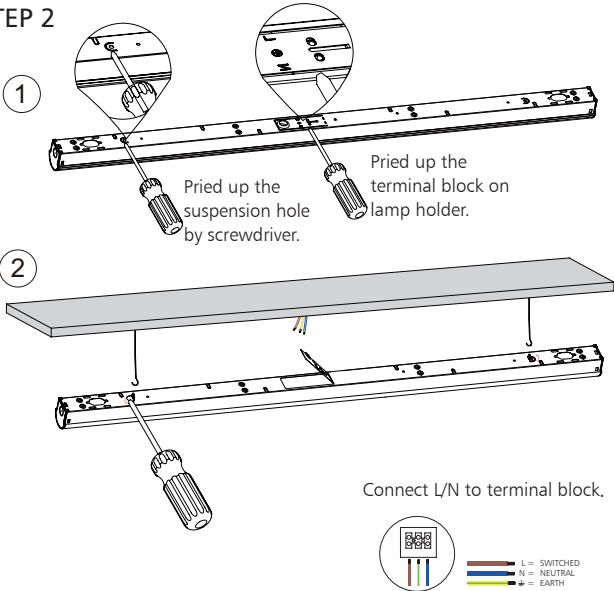
## Installation 2

**STEP 1**



Open box and take out lamp with accessories.


**STEP 2**



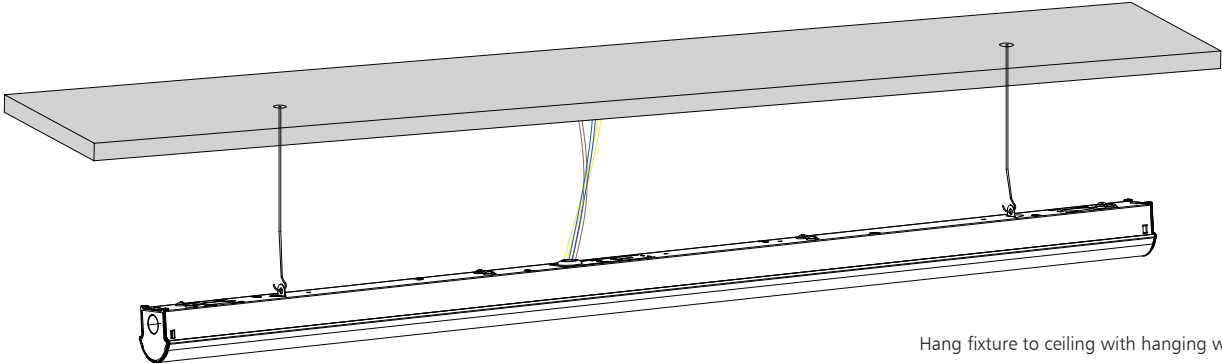
1 Pried up the suspension hole by screwdriver.

2 Pried up the terminal block on lamp holder.

Connect L/N to terminal block.

Legend:  

 L = SWITCHED  
 N = NEUTRAL  
 E = EARTH

**STEP 3**



Hang fixture to ceiling with hanging wire.

## Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	159.5*21.5*15.5	2.05	16	6

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	517	3102	28
40" standard container	1034	6204	56

