



UPSHINE®



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
- 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

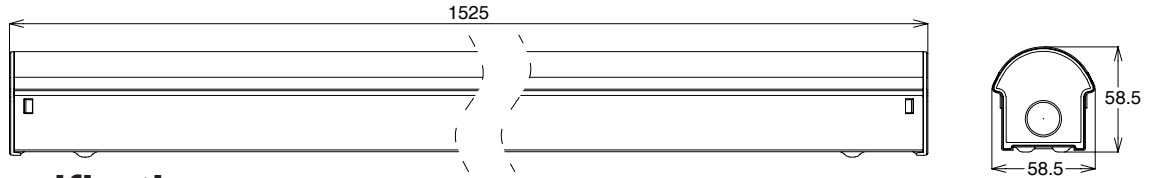
Application Areas

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

Certificate



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

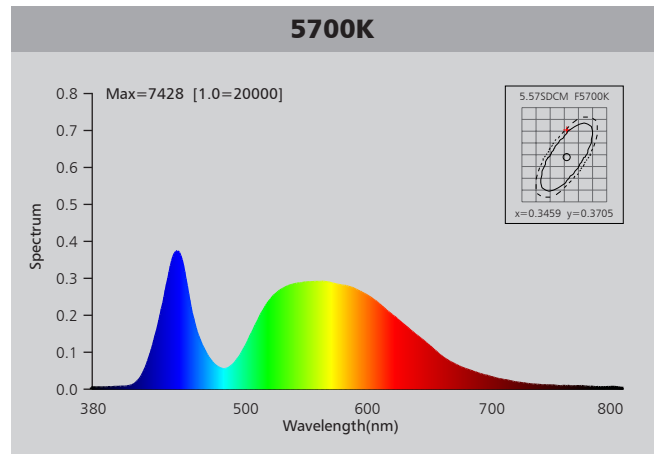
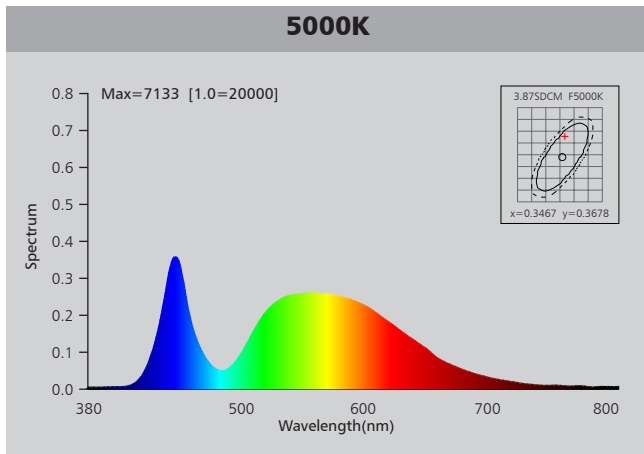
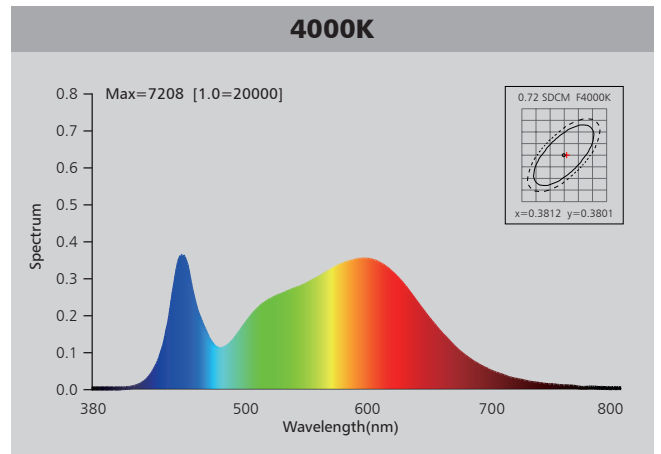
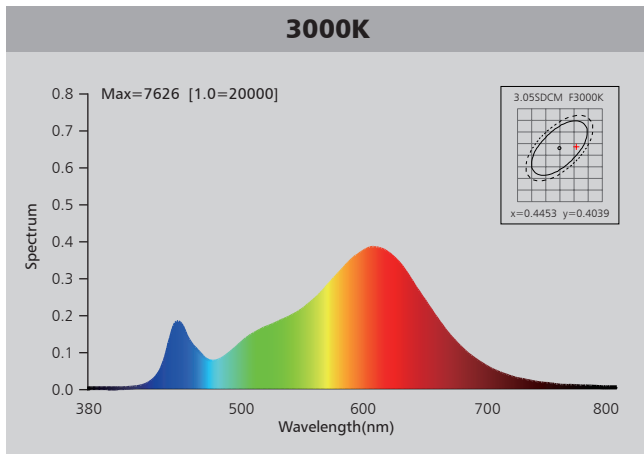
Driver data Sheet

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

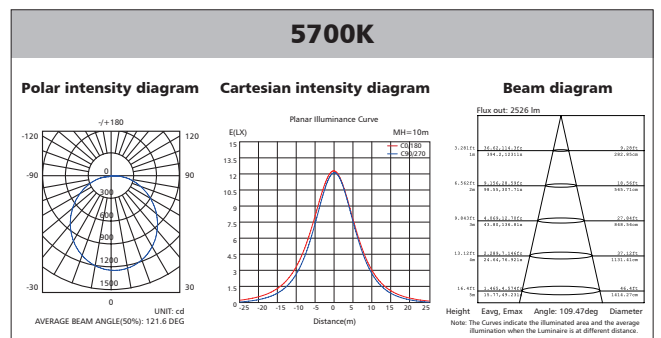
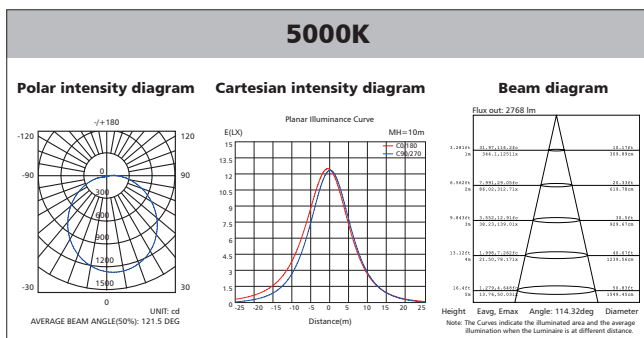
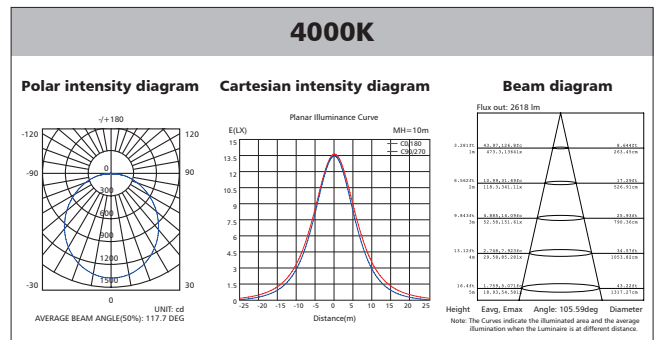
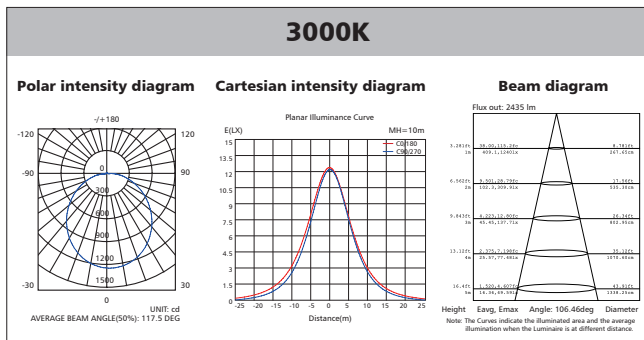
Fixture Compatibility

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

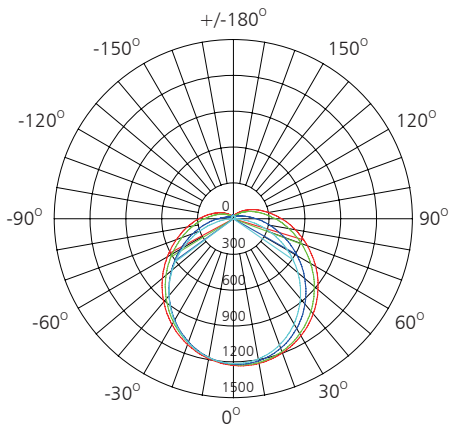
Spectral Distribution



Photometric Diagram



Polar Diagram Comparison



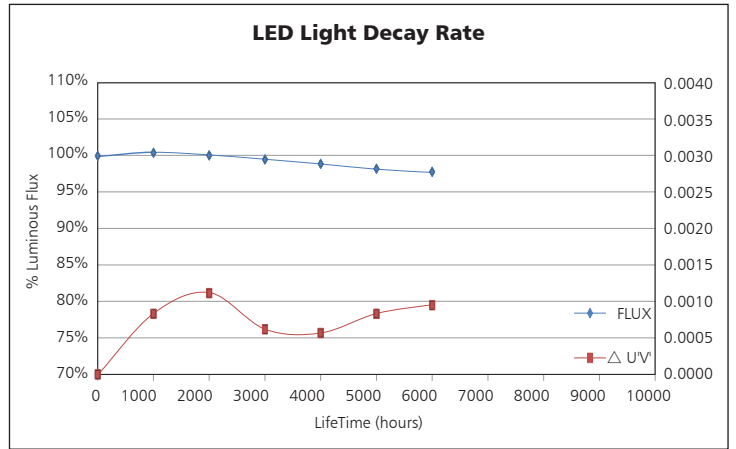
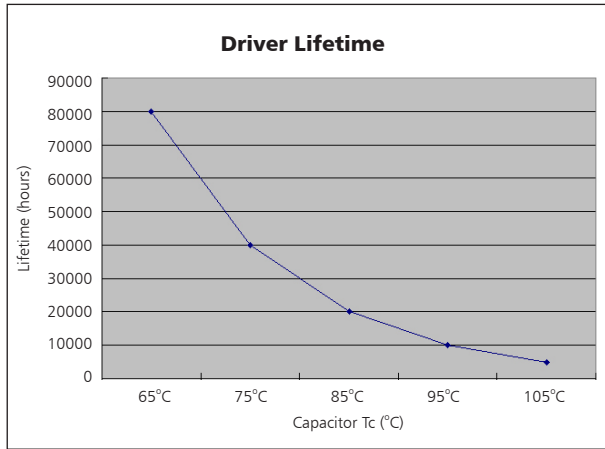
UNIT: cd

- 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

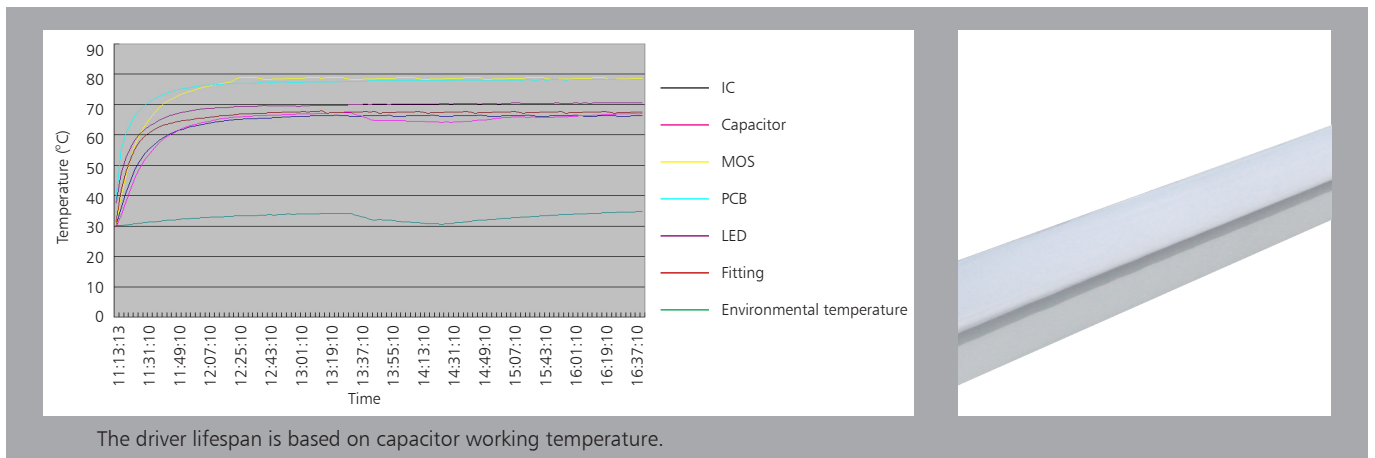


Driver lifetime & LED light decay rate



Temperature

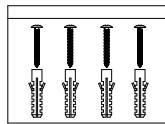
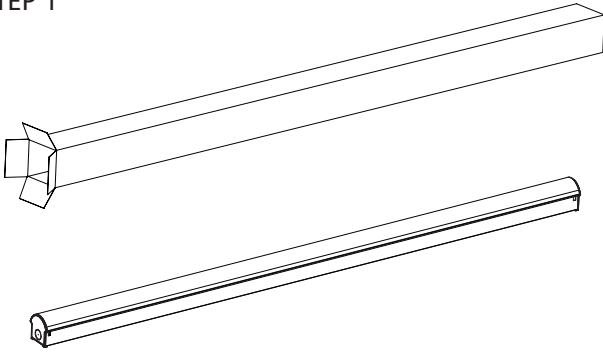
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

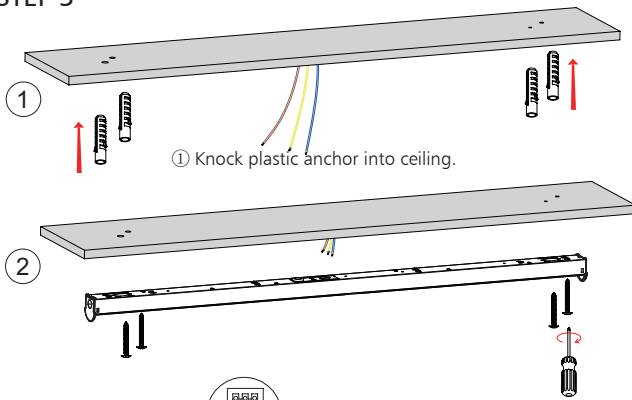
Installation 1

STEP 1

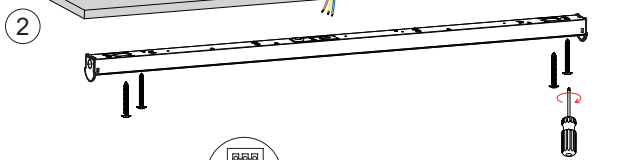


Open the packing and take out the lamp

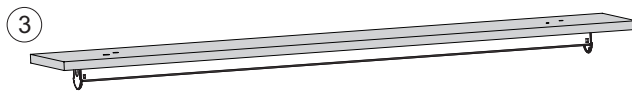
STEP 3



① Knock plastic anchor into ceiling.

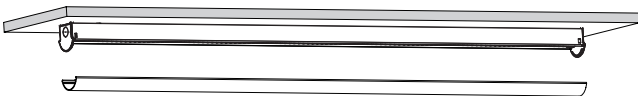


② Connect L/N to terminal block.



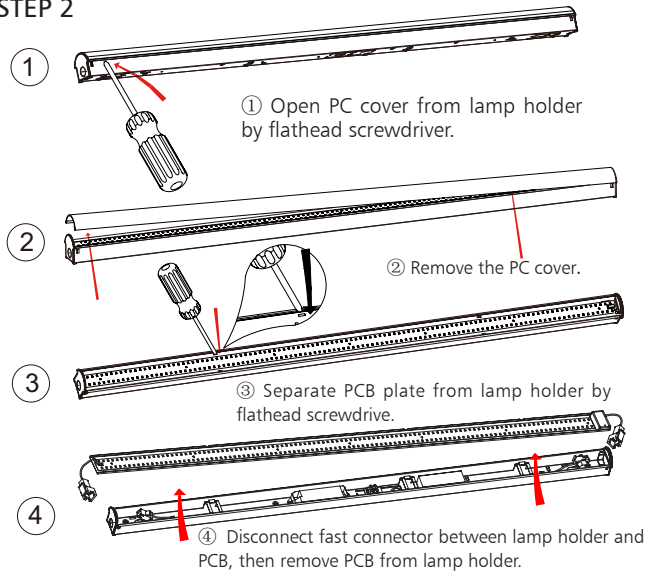
③ Fasten lamp holder into ceiling with screw.

STEP 5



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

STEP 2



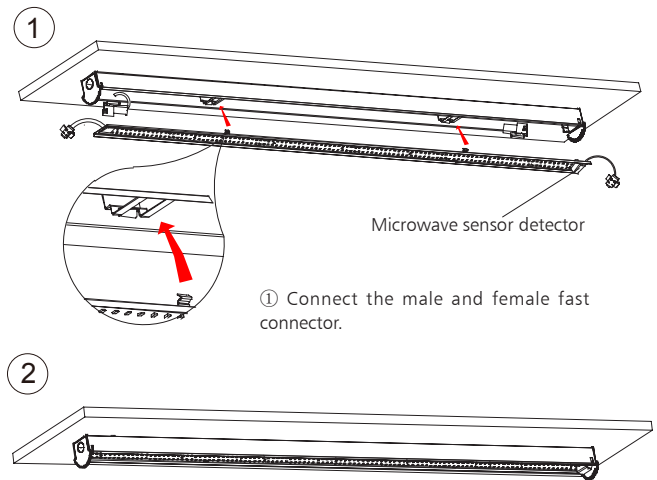
① Open PC cover from lamp holder by flathead screwdriver.

② Remove the PC cover.

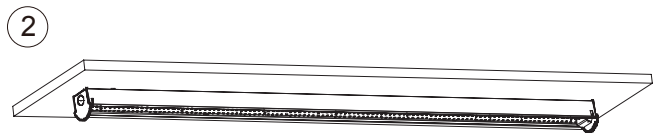
③ Separate PCB plate from lamp holder by flathead screwdriver.

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

STEP 4

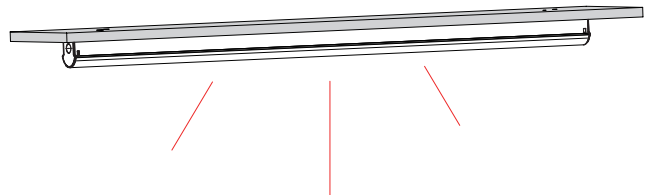


① Connect the male and female fast connector.

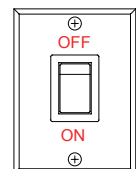


② Put the PCB plate back into lamp holder by pushing it upward directly, until it is attached to lamp holder tightly.

STEP 6

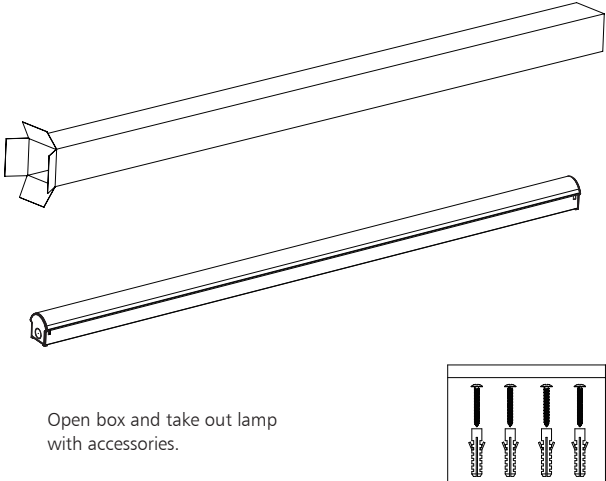


Restore mains power and switch on for correct operation.



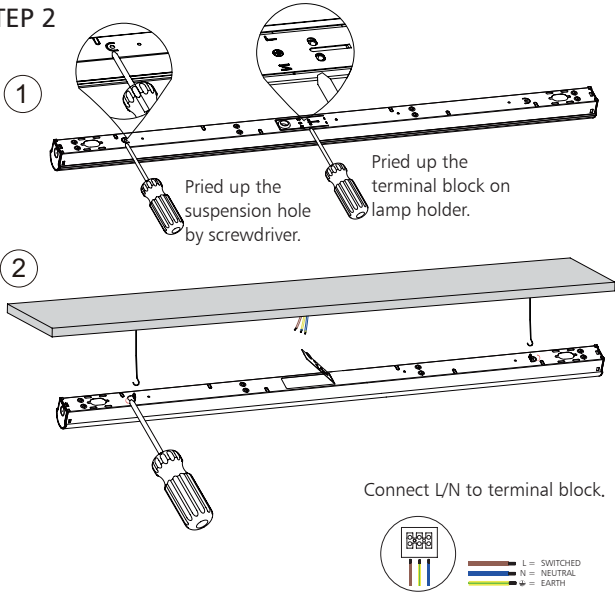
Installation 2

STEP 1



Open box and take out lamp with accessories.

STEP 2



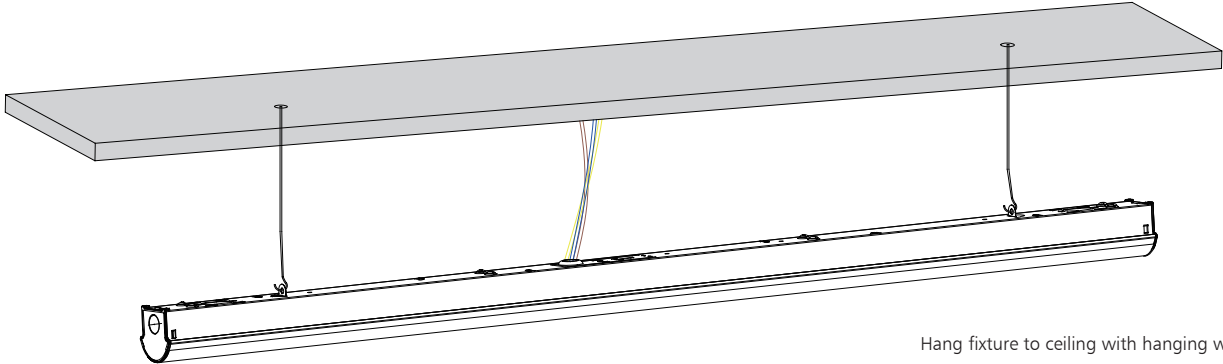
① Pried up the suspension hole by screwdriver.

② Pried up the terminal block on lamp holder.

Connect L/N to terminal block.

L = SWITCHED
N = NEUTRAL
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

