



**【0-10V Dimming】**  
**5 years warranty**



## Specification For LED High Bay Tube Light

**PRODUCT NAME:** LED High Bay Tube Light

**PART NO:** SHBT50W  
SHBT100W  
SHBT150W  
SHBT200W  
SHBT250W



## Description:

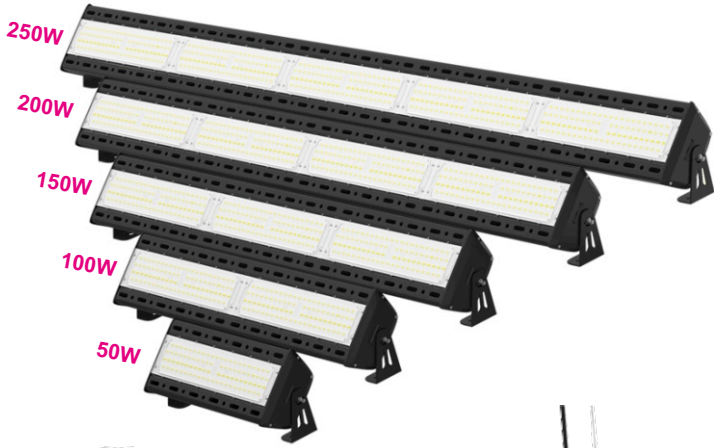
- ★ This product use durable and long life span LED light source, downy light, no glare, simple design.
- ★ This product waterproof and dustproof level 65. Can be used in various of places.
- ★ Mainly use the aluminum alloy as the material with PC lens . Work safely and durable under different conditions.
- ★ Adopted 2835 SMD Led light source, Large-Size Chip with High brightness and low light fades, Enough Current margin, Led chip Rated current 150mA, actual use only 120mA, Extend led Lights lifespan and increase Light Efficiency.
- ★ Adopted 0-10V Dimming Driver, Universal AC Input/Full range up to AC 220-240V. Protection function: short circuit/over current/over voltage/over temperature, Built-in. active PFC function,  $PF \geq 0.95$  and Conversion efficiency  $\geq 94\%$  Fully encapsulated with IP65 Level.
- ★ Warm/pure/cool white all avialble with high CRI
- ★ Integrated fixture structure, Air convection design for reliable lifetime.

## Applications:

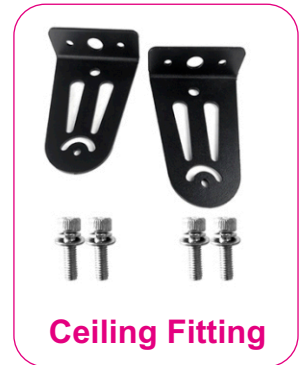
For the workshop, factory, warehouse, highway toll stations, gas stations, supermarkets, exhibition halls, stadiums and Other places of lighting required.



# Photo



【Standard Configuration】



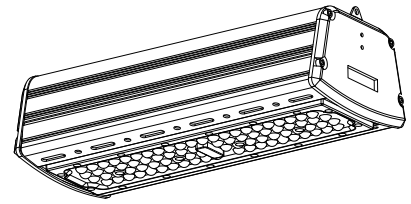
【Optional】



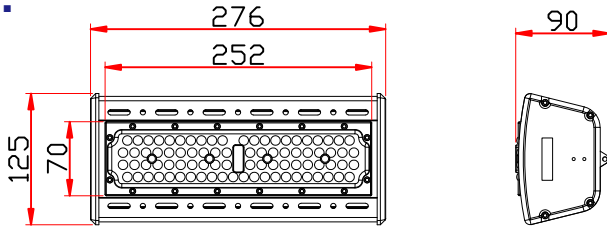
## LED Driver



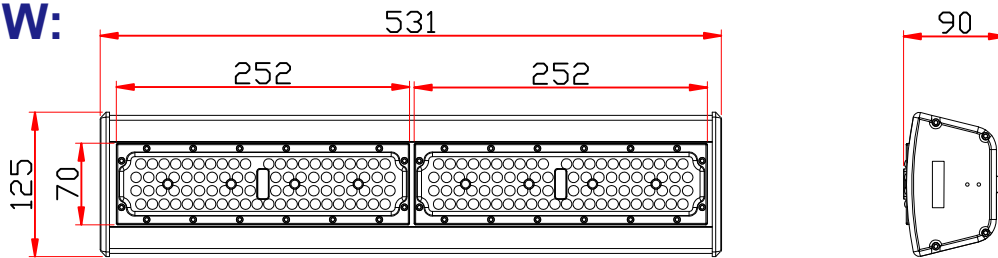
# Dimensions(Unit:mm)



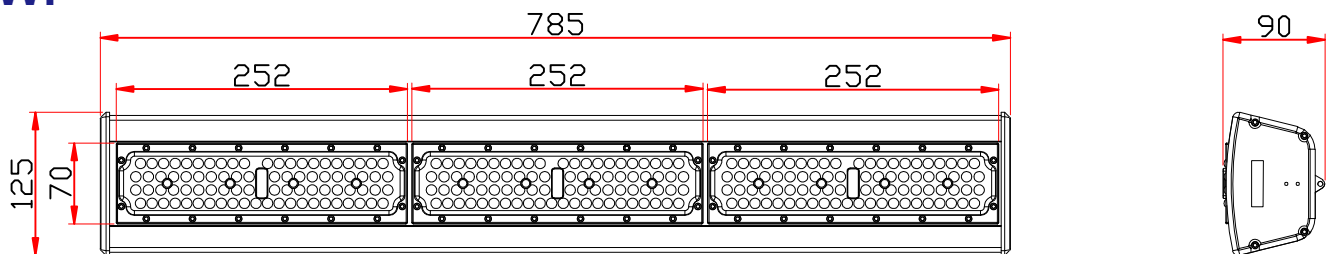
**50W:**



**100W:**

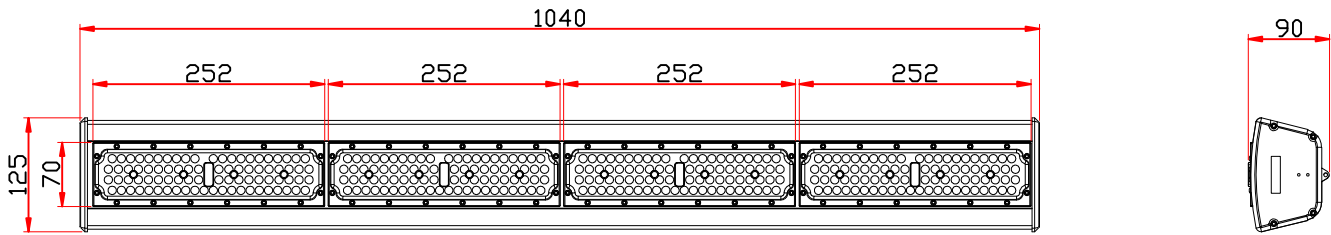


**150W:**

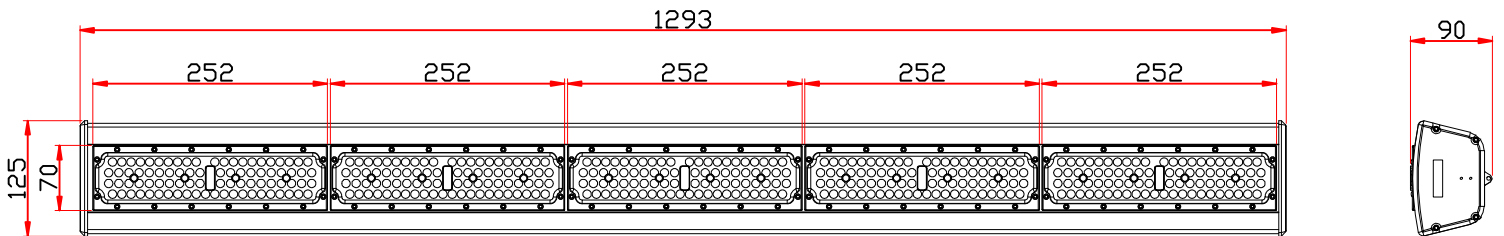


# Dimensions(Unit:mm)

## 200W:



## 250W:



| Model    | Power | Product Size(L*W*H) |
|----------|-------|---------------------|
| SHBT50W  | 50W   | L276*W125*H90mm     |
| SHBT100W | 100W  | L531*W125*H90mm     |
| SHBT150W | 150W  | L785*W125*H90mm     |
| SHBT200W | 200W  | L1040*W125*H90mm    |
| SHBT250W | 250W  | L1293*W125*H90mm    |

## Electrical/Optical Characteristics/Specifications

### MODEL:SHBT50W

| Input Voltage         | Max.Current  | Operating Voltage  | Constant Current    | Power Consumption | Power Factor |            |
|-----------------------|--|--------------------|---------------------|-------------------|--------------|------------|
| AC200-240V            | 0.25A  | DC192V             | 0.24A               | 50W               | ≥0.95        |            |
| LED Type              | LED Q'ty   | CRI                | CCT                 | 2900-3100K        | 4000-4500K   | 5500-6000K |
|                       |  |                    | Luminous efficiency | 140LM/W           | 150LM/W      | 150LM/W    |
| SMD2835               | 84PCS  | ≥80Ra              | Luminous flux       | 7000LM±10%        | 7500LM±10%   | 7500LM±10% |
|                       |  |                    | Beam Angle          | 90° or 60°        |              |            |
| Life Time             | Certifications   | IP Code            | Luminaires Class    | product dimension | N.W          |            |
| 50.000Hours           | CE,RoHS  | IP65               | Class I             | L276*W125*H90mm   | 1.6Kg        |            |
| Operating Temperature | Storage Temperature  | Humidity Operating | Humidity Storage    | Packing dimension | G.W          |            |
| -20°Cto+50°C          | -30°Cto+60°C   | 10-80%RH           | 10-90%RH            | L315*W165*H145mm  | 1.8Kg        |            |
| Outer carton package  | 6*1layer=6PCS/carton,K=K corrugated paper, L355*W335*H480mm,GW:11.75KG |                    |                     |                   |              |            |
| Optional dimming type | 0-10V Dimming  |                    |                     |                   |              |            |

### MODEL:SHBT100W

| Input Voltage         | Max.Current  | Operating Voltage  | Constant Current    | Power Consumption | Power Factor |             |
|-----------------------|--|--------------------|---------------------|-------------------|--------------|-------------|
| AC200-240V            | 0.5A   | DC252V             | 0.35A               | 100W              | ≥0.95        |             |
| LED Type              | LED Q'ty   | CRI                | CCT                 | 2900-3100K        | 4000-4500K   | 5500-6000K  |
|                       |  |                    | Luminous efficiency | 140LM/W           | 150LM/W      | 150LM/W     |
| SMD2835               | 168PCS   | ≥80Ra              | Luminous flux       | 14000LM±10%       | 15000LM±10%  | 15000LM±10% |
|                       |  |                    | Beam Angle          | 90° or 60°        |              |             |
| Life Time             | Certifications   | IP Code            | Luminaires Class    | product dimension | N.W          |             |
| 50.000Hours           | CE,RoHS  | IP65               | Class I             | L531*W125*H90mm   | 2.5Kg        |             |
| Operating Temperature | Storage Temperature  | Humidity Operating | Humidity Storage    | Packing dimension | G.W          |             |
| -20°Cto+50°C          | -30°Cto+60°C   | 10-80%RH           | 10-90%RH            | L570*W165*H145mm  | 2.7Kg        |             |
| Outer carton package  | 4*1layer=4PCS/carton,K=K corrugated paper, L590*W355*H320mm,GW:11.45KG |                    |                     |                   |              |             |
| Optional dimming type | 0-10V Dimming  |                    |                     |                   |              |             |



## Electrical/Optical Characteristics/Specifications

### MODEL:SHBT150W

| Input Voltage         | Max.Current  | Operating Voltage  | Constant Current    | Power Consumption | Power Factor |             |
|-----------------------|--|--------------------|---------------------|-------------------|--------------|-------------|
| AC200-240V            | 0.75A  | DC252V             | 0.55A               | 150W              | ≥0.95        |             |
| LED Type              | LED Q'ty   | CRI                | CCT                 | 2900-3100K        | 4000-4500K   | 5500-6000K  |
|                       |  |                    | Luminous efficiency | 140LM/W           | 150LM/W      | 150LM/W     |
| SMD2835               | 252PCS   | ≥80Ra              | Luminous flux       | 21000LM±10%       | 22500LM±10%  | 22500LM±10% |
|                       |  |                    | Beam Angle          | 90° or 60°        |              |             |
| Life Time             | Certifications   | IP Code            | Luminaires Class    | product dimension | N.W          |             |
| 50.000Hours           | CE,RoHS  | IP65               | Class I             | L785*W125*H90mm   | 3.3Kg        |             |
| Operating Temperature | Storage Temperature  | Humidity Operating | Humidity Storage    | Packing dimension | G.W          |             |
| -20°Cto+50°C          | -30°Cto+60°C   | 10-80%RH           | 10-90%RH            | L825*W165*H145mm  | 3.6Kg        |             |
| Outer carton package  | 4*1layer=4PCS/carton,K=K corrugated paper, L845*W355*H320mm,GW:15.35KG |                    |                     |                   |              |             |
| Optional dimming type | 0-10V Dimming  |                    |                     |                   |              |             |

### MODEL:SHBT200W

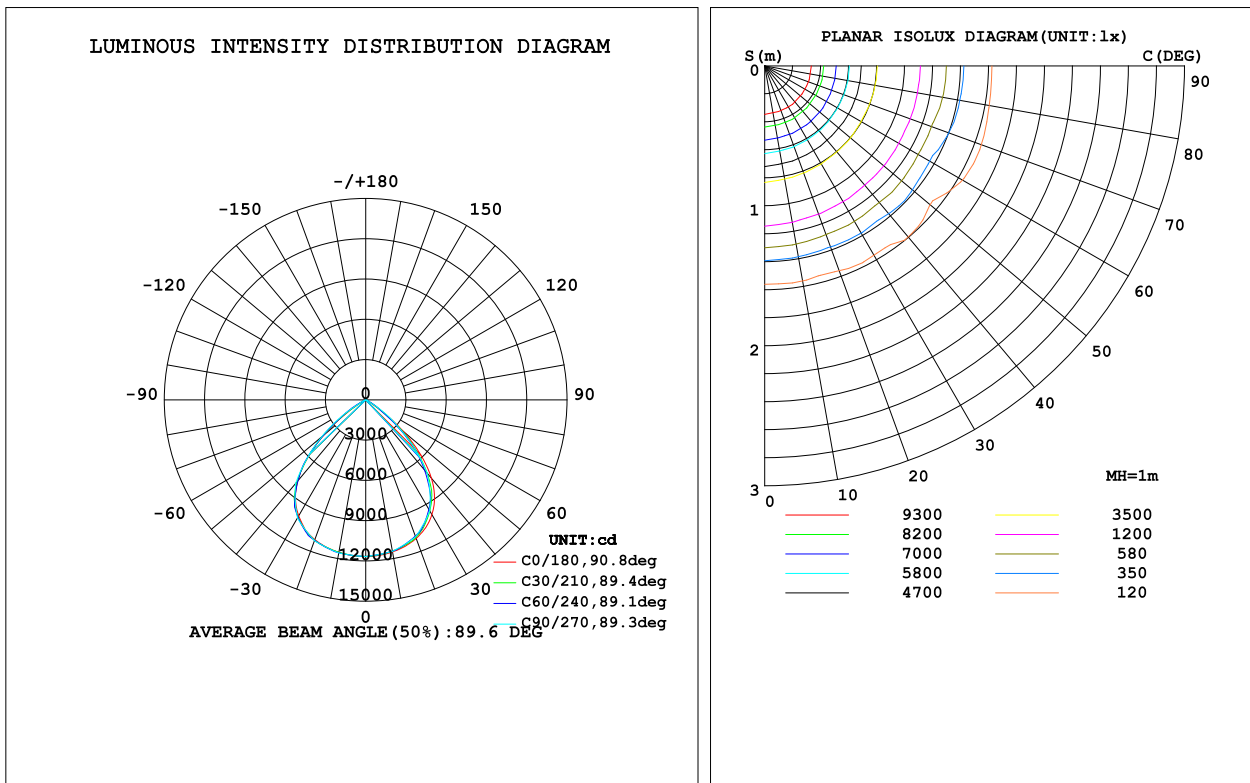
| Input Voltage         | Max.Current  | Operating Voltage  | Constant Current    | Power Consumption | Power Factor |             |
|-----------------------|--|--------------------|---------------------|-------------------|--------------|-------------|
| AC200-240V            | 1.0A   | DC252V             | 0.7A                | 200W              | ≥0.95        |             |
| LED Type              | LED Q'ty   | CRI                | CCT                 | 2900-3100K        | 4000-4500K   | 5500-6000K  |
|                       |  |                    | Luminous efficiency | 140LM/W           | 150LM/W      | 150LM/W     |
| SMD2835               | 336PCS   | ≥80Ra              | Luminous flux       | 28000LM±10%       | 30000LM±10%  | 30000LM±10% |
|                       |  |                    | Beam Angle          | 90° or 60°        |              |             |
| Life Time             | Certifications   | IP Code            | Luminaires Class    | product dimension | N.W          |             |
| 50.000Hours           | CE,RoHS  | IP65               | Class I             | L1040*W125*H90mm  | 4.0Kg        |             |
| Operating Temperature | Storage Temperature  | Humidity Operating | Humidity Storage    | Packing dimension | G.W          |             |
| -20°Cto+50°C          | -30°Cto+60°C   | 10-80%RH           | 10-90%RH            | L1080*W165*H145mm | 4.3Kg        |             |
| Outer carton package  | 4*1layer=4PCS/carton,K=K corrugated paper, L1100*W355*H320mm,GW:19.1KG |                    |                     |                   |              |             |
| Optional dimming type | 0-10V Dimming  |                    |                     |                   |              |             |

# Electrical/Optical Characteristics/Specifications

## MODEL:SHBT250W

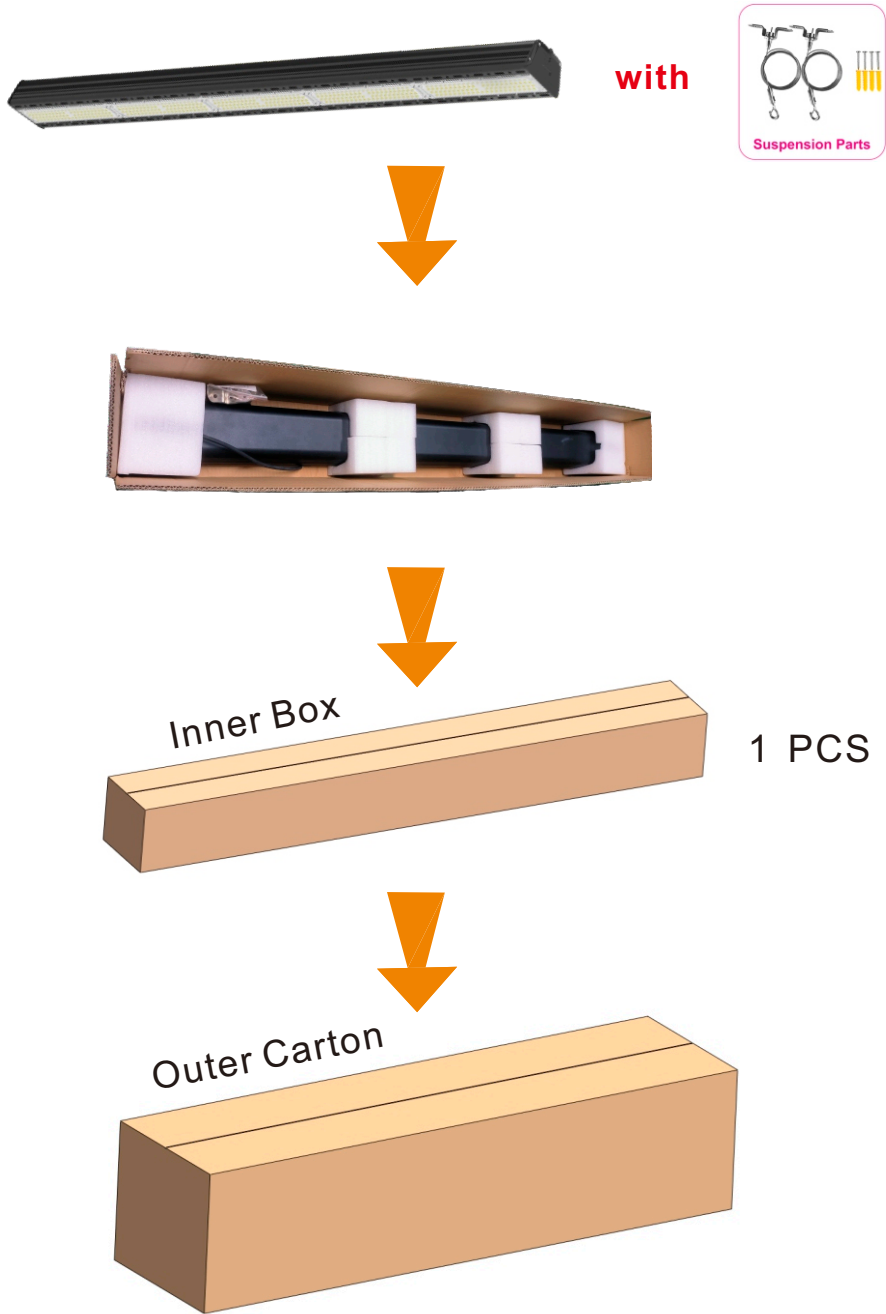
| Input Voltage         | Max.Current  | Operating Voltage  | Constant Current    | Power Consumption | Power Factor |             |
|-----------------------|--|--------------------|---------------------|-------------------|--------------|-------------|
| AC200-240V            | 1.2A   | DC252V             | 0.9A                | 250W              | ≥0.95        |             |
| LED Type              | LED Q'ty   | CRI                | CCT                 | 2900-3100K        | 4000-4500K   | 5500-6000K  |
|                       |  |                    | Luminous efficiency | 140LM/W           | 150LM/W      | 150LM/W     |
| SMD2835               | 420PCS   | ≥80Ra              | Luminous flux       | 35000LM±10%       | 37500LM±10%  | 37500LM±10% |
|                       |  |                    | Beam Angle          | 90° or 60°        |              |             |
| Life Time             | Certifications   | IP Code            | Luminaires Class    | product dimension | N.W          |             |
| 50.000Hours           | CE,RoHS  | IP65               | Class I             | L1293*W125*H90mm  | 4.9Kg        |             |
| Operating Temperature | Storage Temperature  | Humidity Operating | Humidity Storage    | Packing dimension | G.W          |             |
| -20°Cto+50°C          | -30°Cto+60°C   | 10-80%RH           | 10-90%RH            | L1333*W165*H145mm | 5.2Kg        |             |
| Outer carton package  | 4*1layer=4PCS/carton,K=K corrugated paper, L1353*W355*H320mm,GW:22.8KG |                    |                     |                   |              |             |
| Optional dimming type | 0-10V Dimming  |                    |                     |                   |              |             |

## Test report





## Packing Info



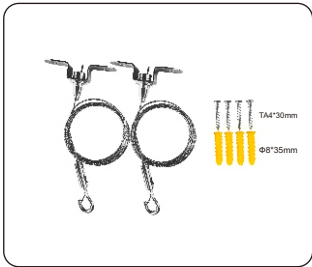
| Power | Outer Carton Package QTY |
|-------|--------------------------|
| 50W   | 6 PCS/carton             |
| 100W  | 4 PCS/carton             |
| 150W  | 4 PCS/carton             |
| 200W  | 4 PCS/carton             |
| 250W  | 4 PCS/carton             |

### Cautions:

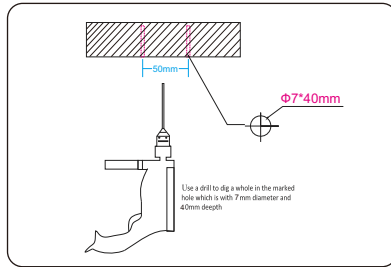
- 1.This product must be installed by professionals;
- 2.If there is any damage on the power line or shell, it should be taken as defective product and should not be used;
- 3.High voltage, non-professionals are not allowed to install, disassemble the product or connect wires.

# Installation Instructions

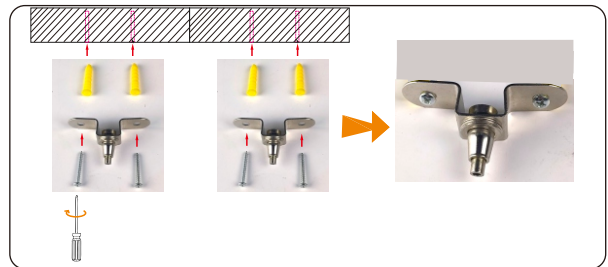
## 1. Suspending



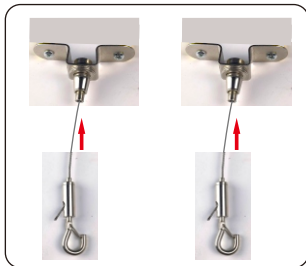
Step 1: Take the kit out of the box;



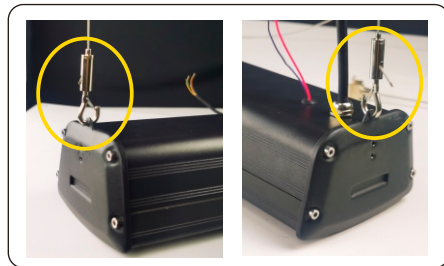
Step 2: Drill holes in the installation position, Spacing of fitting holes is 50mm;



Step 3: Lock the fittings to the holes;



Step 4: Tie the wire rope;



Step 5: Attach the two hooks to each end of the lamp;

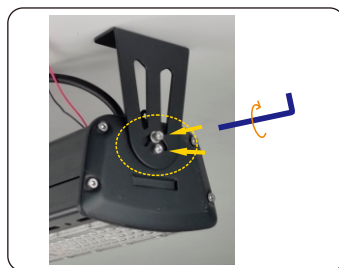


Step 6: Done (the suspension height can be adjusted);

## 2. Mounting



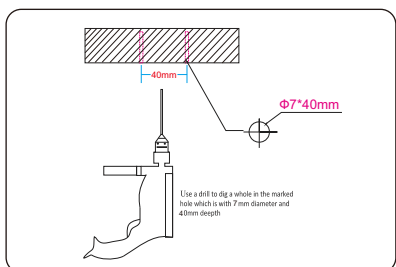
Step 1: Prepare the kit;



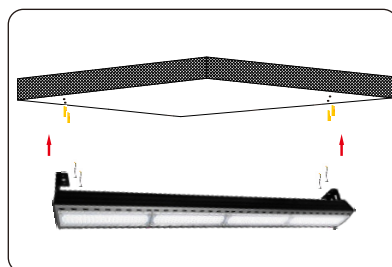
Step 2: Install the fitting at each end of the lamp;



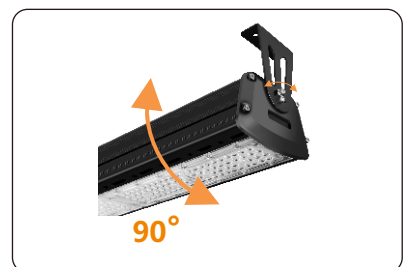
Step 3: As shown in the figure;



Step 4: Drill holes in the wall according to the hole positions of the fittings, Spacing of fitting holes is 40mm;

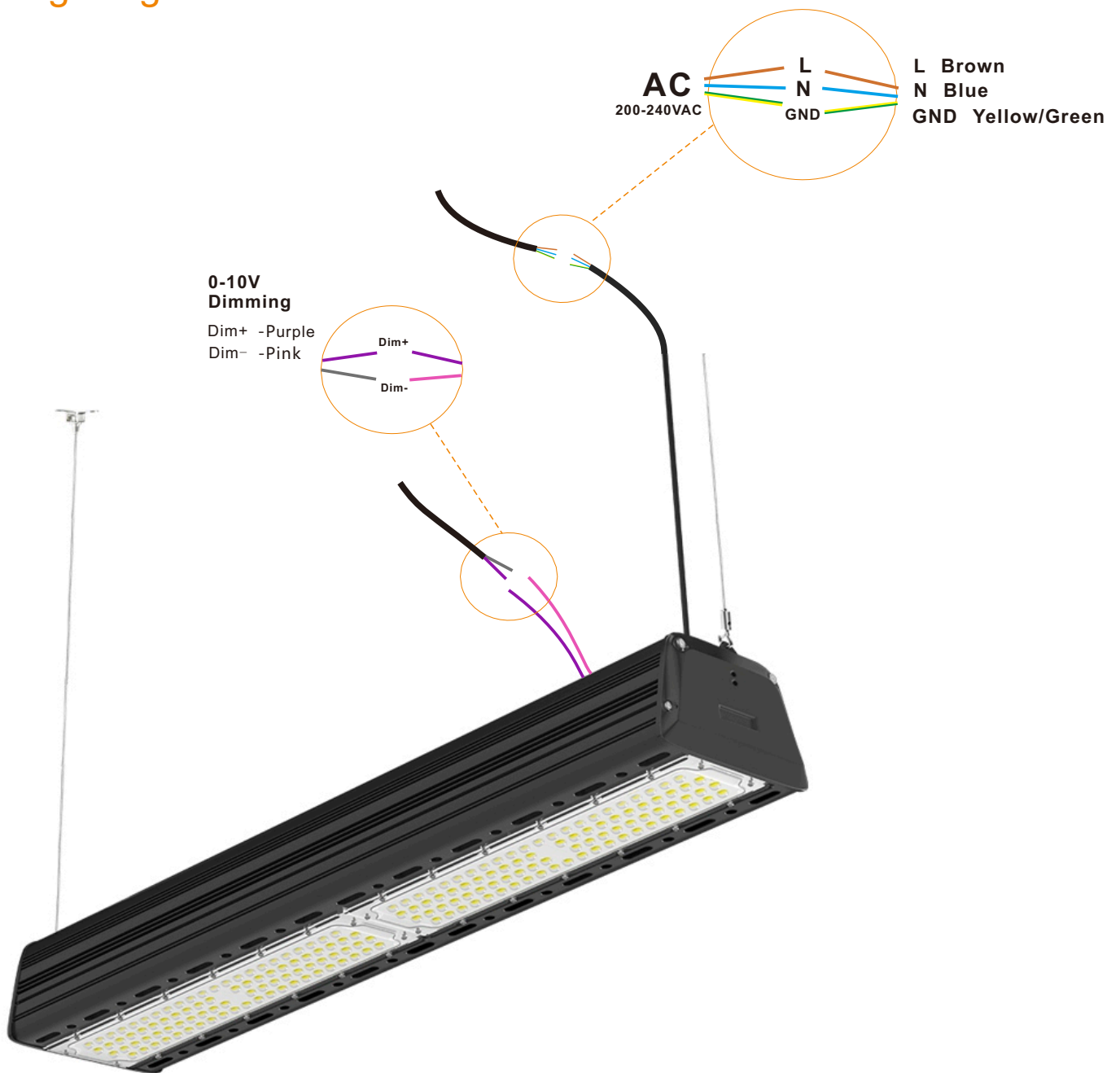


Step 5: Screw the lamp to the wall;



Step 6: Done (adjustable angle);

## Wiring Diagram



### Cautions:

1. This product must be installed by professionals;
2. If there is any damage on the power line or shell, it should be taken as defective product and should not be used;
3. High voltage, non-professionals are not allowed to install, disassemble the product or connect wires.

## Notes:

1. Please always use the light out of its package.
2. Before starting use of the light, please check if the light was damaged during transportation. If any damage shown, please DO not install or use it.
3. Any maintenance should be performed by trained professionals only.
4. Keep packaging material away from the reach of children and pets. Risk of suffocation!
5. Caution. The packaging contains small parts that may be swallowed by children.
6. Never leave children unattended in the vicinity of the lights and do not allow them to play with electrical devices.
7. Try to avoid looking directly in the LED beam-especially for extended periods of time. Do not shine the LED light in another person's eyes.
8. Never cover the lights by other objects.
9. Never allow the light to come into contact with open flames or external heat sources.
10. The products need to re-repair inspection or special treatment of retirement after service time
11. Non-professionals are not allowed to disassemble and maintain the products. We have the right not to provide after-slae service if unauthorized disassembly and maintenance happens to the products.