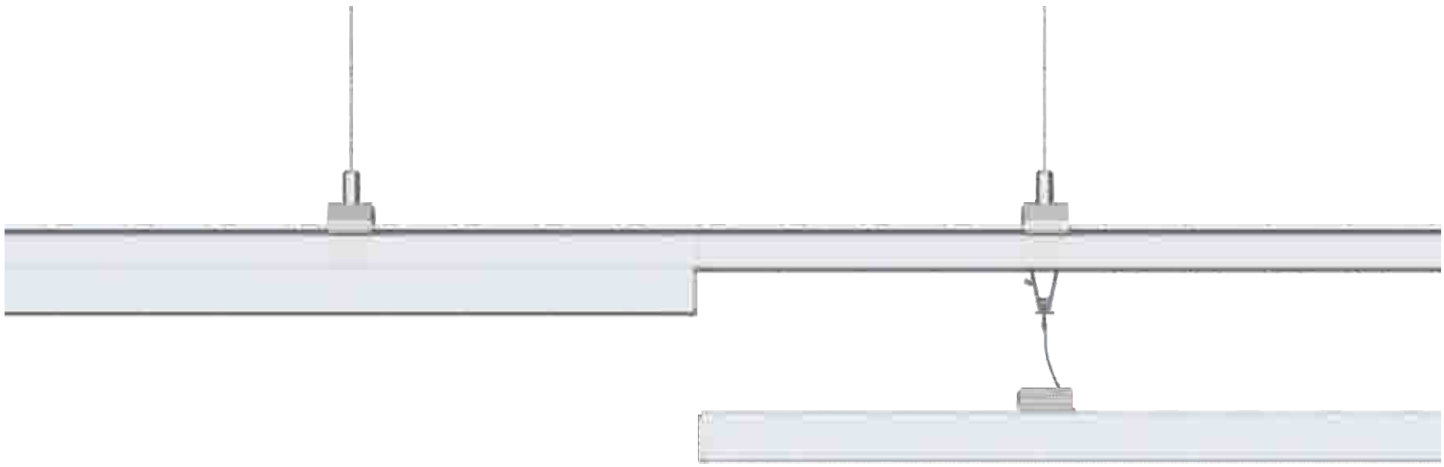
# LED linear trunking system SL5550



CE RoHS PF >0.9 CRI >80 Warranty 5 years

## Description

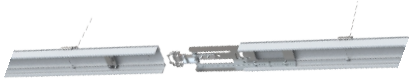
SL5550 Linear lights are mainly used in site that requires continuous lighting and different irritation angle. The light body has simple appearance with soft light. With multiple irritation angles for selection, it is widely used in large department stores、workshops、supermarket、warehouse、parking lots and so on.

## Features

1. Adoption of aluminum alloy section + PMMA lens, surface powder coating technology, exquisite overall appearance, simple structure, light weight, good heat dissipation and optical property.
2. The light body adopts split type design. The light body and track use stainless steel 301 Shrapnel for connection. It is designed with auxiliary safety rope, making it convenient to install and dismantle the light and track and maintenance.
3. The track adopts splicing design, which allows continuous connection. The track is tensioned with spring buckles to realize seamless connection.
4. The push type hoisting buckles adopt stainless steel 301 materials and reverse buckle structure, which allows quick installation and is safe and reliable.
5. The inside of the light adopts 1.5mm2 multiple-core copper wire and WAGO male and female of terminal of plug-in connectors to realize quick connection among lights. The single phase power and three-phase power may be connected outside of the light. When the voltage is 220V, after the single-phase primary incoming line is connected, the total power may reach 2000W and the total power of three-phase power may reach 6000W after three-phase primary incoming line is connected.

6. The lens of the whole light adopts one-time molding through PMMA without seam, light omission and there are many types of angle for selection.
7. The wires adopt inflaming retarding PC wire clip so that the wire inside the light is neat and orderly.
8. With the dimming function, it may provide DALI and 0-10V dimming.

## Product picture


## Application

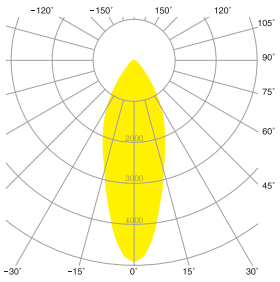
Applicable to large department stores, large workshops, warehouse, parking lots and other sites.



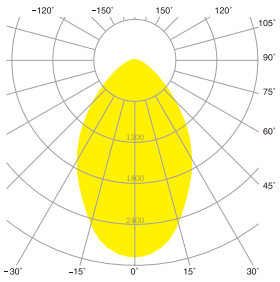
## Product parameters

| Model | CCT | lumen(lm) (±10%) | Power(W) (±10%) | LED type | LED quantity (PCS) | Length (MM) | Voltage(V) | Dimming Optional | Pre-wired | CRI | PF |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SC-SL5550-050-AW-CW | 6000-6500k | 6000 lm | 50 | 2835 | 252 | 1200 | 100-277VAC 50/60HZ | non-dimmable | 5 wires, 1.5MM2 copper core, L1,L2,L3,N,G | ⩾80 | ⩾0.90 (220Vac) |
| SC-SL5550-050-AW-NW | 3800-4200k | 6250 lm | | | | | | | | | |
| SC-SL5550-050-AW-WW | 2800-3200k | 5750 lm | | | | | | | | | |
| SC-SL5550-065-AW-CW | 6000-6500k | 7800 lm | 65 | 2835 | 336 | 1500 | | | | | |
| SC-SL5550-065-AW-NW | 3800-4200k | 8125 lm | | | | | | | | | |
| SC-SL5550-065-AW-WW | 2800-3200k | 7475 lm | | | | | | | | | |
| SC-SL5550-050-AW-A01-CW | 6000-6500k | 6000 lm | 50 | 2835 | 252 | 1200 | 100-277VAC 50/60HZ | 0-10V dimming | 7 wires, 1.5MM2 copper core, L1,L2,L3,N,G, DIM+, DIM- | | |
| SC-SL5550-050-AW-A01-NW | 3800-4200k | 6250 lm | | | | | | | | | |
| SC-SL5550-050-AW-A01-WW | 2800-3200k | 5750 lm | | | | | | | | | |
| SC-SL5550-065-AW-A01-CW | 6000-6500k | 7800 lm | 65 | 2835 | 336 | 1500 | | | | | |
| SC-SL5550-065-AW-A01-NW | 3800-4200k | 8125 lm | | | | | | | | | |
| SC-SL5550-065-AW-A01-WW | 2800-3200k | 7475 lm | | | | | | | | | |
| SC-SL5550-050-AW-D01-CW | 6000-6500k | 6000 lm | 50 | 2835 | 252 | 1200 | 220-240VAC 50/60HZ | Dali | 7 wires, 1.5MM2 copper core, L1,L2,L3,N,G, DA, DA | | |
| SC-SL5550-050-AW-D01-NW | 3800-4200k | 6250 lm | | | | | | | | | |
| SC-SL5550-050-AW-D01-WW | 2800-3200k | 5750 lm | | | | | | | | | |
| SC-SL5550-065-AW-D01-CW | 6000-6500k | 7800 lm | 65 | 2835 | 336 | 1500 | | | | | |
| SC-SL5550-065-AW-D01-NW | 3800-4200k | 8125 lm | | | | | | | | | |
| SC-SL5550-065-AW-D01-WW | 2800-3200k | 7475 lm | | | | | | | | | |

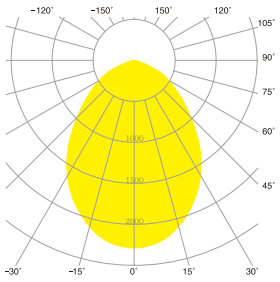
## Light distribution curve



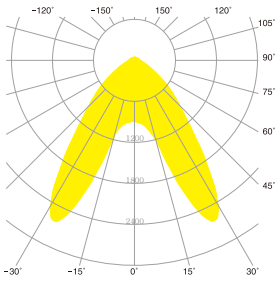
30°



60°



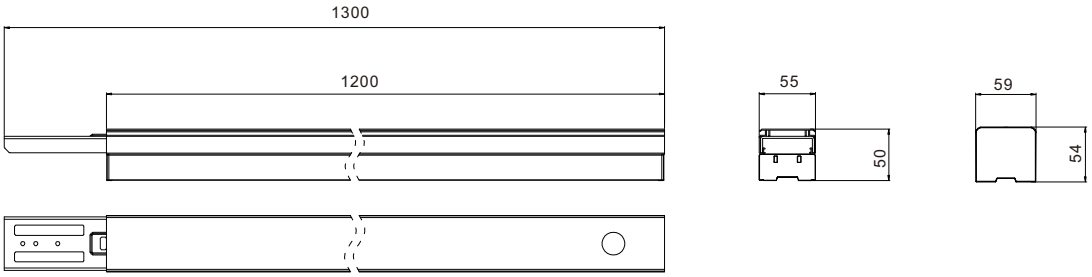
90°



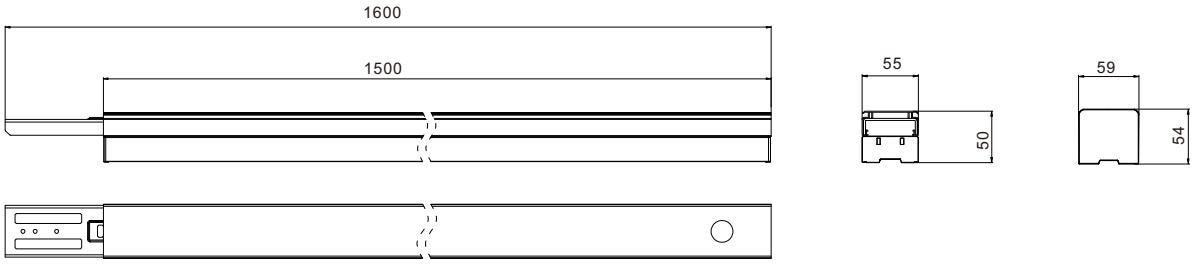
30° double asymmetric

## Dimension (Unit:mm)

50W

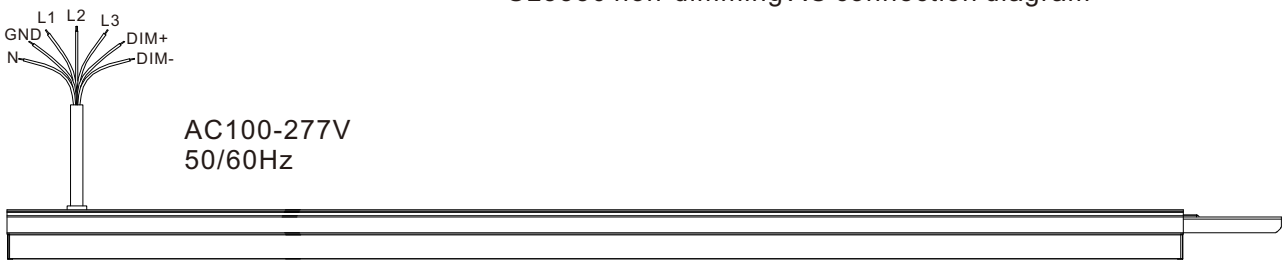



65W

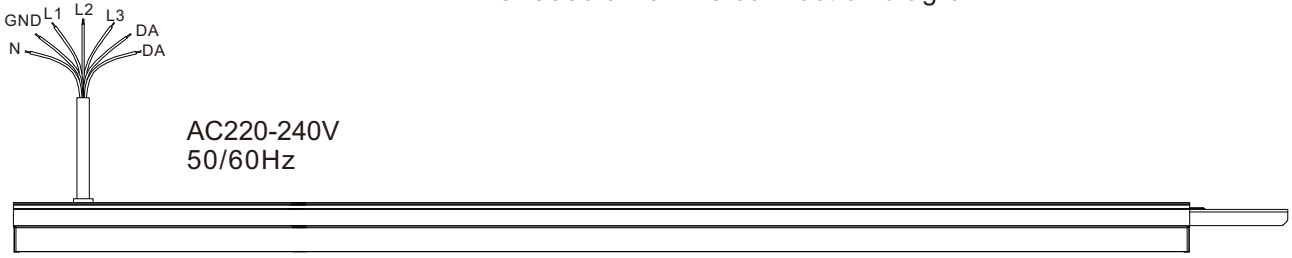



## Connection diagram


SL5550 non-dimming AC connection diagram




SL5550 0-10V AC connection diagram

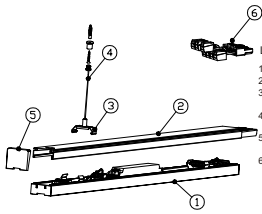



SL5550 0-DALI AC connection diagram

# Installation diagram

## Suspended installation method

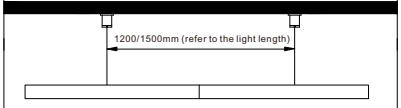
1. Explosive view of the whole light of suspended installation



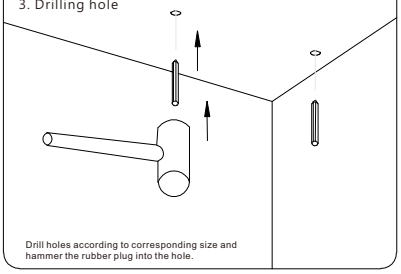
List of light materials
1.Light body 1PC
2.Track 1PC
3.Buckle for suspended installation
4.Steel wire rope set for suspended installation
5.The end cap of the whole light 2PCS
6.AC wire connector

3.4.6 Optional components

2.Schematic diagram for installation

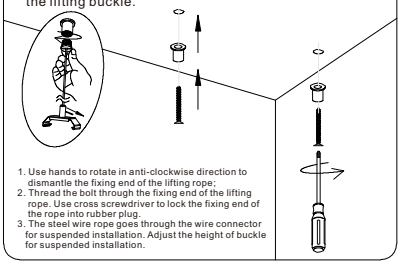



3. Drilling hole



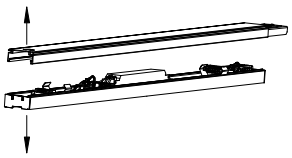
Drill holes according to corresponding size and hammer the rubber plug into the hole.

4. Fix the fixing head of the lifting rope and install the lifting buckle.



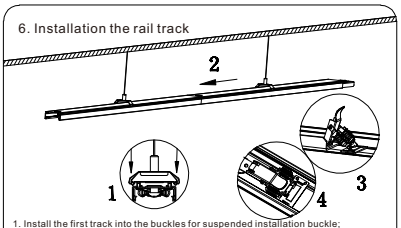
1. Use hands to rotate in anti-clockwise direction to dismantle the fixing end of the lifting rope;
2. Thread the bolt through the fixing end of the lifting rope. Use cross screwdriver to lock the fixing end of the rope into rubber plug.
3. The steel wire rope goes through the wire connector for suspended installation. Adjust the height of buckle for suspended installation.

5. Dismantle the light body



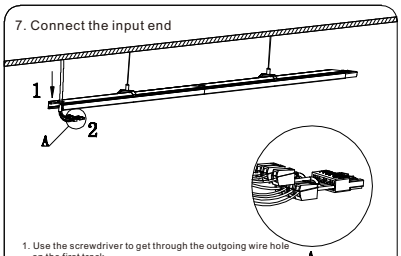
1. At one end of the light body, use two hands to hold the top and bottom part of the light body respectively. Pull it away with force to divide the light body into light and track.

6. Installation the rail track



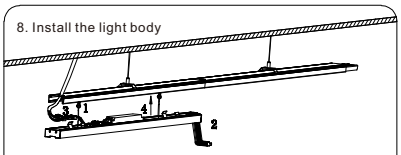

1. Install the first track into the buckles for suspended installation buckle;
2. Insert the second track into the connecting plate of the first track. The suspended installation buckle should be installed properly.
3. Hang spring buckle on the connection plate of the first track onto the fixed hook of the second track.
4. Lift backwards and press the handle of spring buckles. The spring contracts to tension the track 1 and track 2.

7. Connect the input end



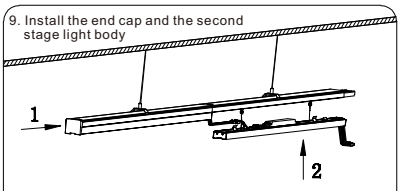

1. Use the screwdriver to get through the outgoing wire hole on the first track.
2. The external AC connection wire goes through the outgoing holes and connects N, GND, L1, L2, L2, L3, DIM+, and DIM- on the connector separately.

8. Install the light body



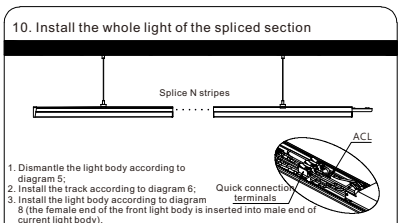

1. The safety rope of the light body is hung on the pendent of the safety rope inside the track.
2. The outgoing end of the light body is out of the light body.
3. The female end of the connector is inserted into male end of the light body.
4. With the light body upwards, two hands press the light body and left and right ends of the light body tightly with force so that the connection shrapnel of the light body is pressed into the track.

9. Install the end cap and the second stage light body



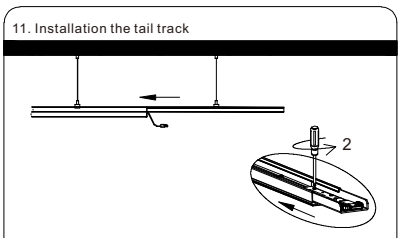

1. After the end cap of the whole light is placed well, press inside with force to install the end cap properly.
2. Install the second stage light body according to step 1 to step 4 in diagram 8 (in step 3, the female end of the first stage light body is inserted into the male end of the second stage light body).

10. Install the whole light of the spliced section



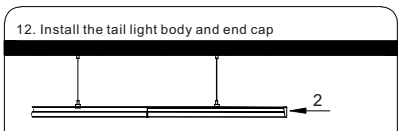

1. Dismantle the light body according to diagram 5;
2. Install the track according to diagram 6;
3. Install the light body according to diagram 8 (the female end of the front light body is inserted into male end of current light body).
4. For three-phase power supply, after many strips are installed, the power of light body ACL and wiring connection position of the quick-connection terminals should be changed.
5. Splicing amount: when the input voltage is 90V, the single L line N*P<800W; when the input voltage is 200V, the single L line N*P<2000W. N is the total section numbers. P is the power of single-strip light.

11. Installation the tail track




1. Dismantle the light body according to diagram 5;
2. Use the screwdriver to take away the screw on the track connection plates and push the connection plate into the light body.
3. Install the track according to diagram 6;

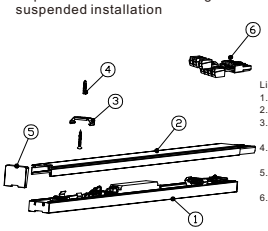
12. Install the tail light body and end cap




1. Install the light body according to diagram 8 (the outgoing terminals is not out of the light body).
2. After the end cap of the whole light is placed well, press inside with force to install the end cap of the tail stage properly.

## Ceiling installation method

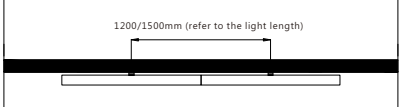
1. Explosive view of the whole light of suspended installation



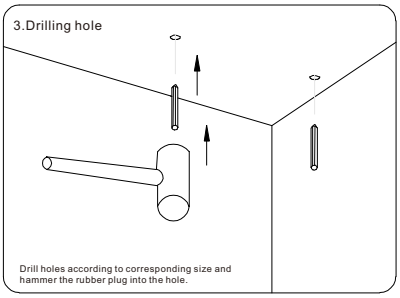
List of light materials
1. Light body 1PC
2. Track 1PC
3. Buckle for ceiling installation
4. Package for ceiling Installation
5. The end cap of the whole light 2PCS
6. Incoming wire connector

3.4.6 are optional components

2.Schematic diagram for installation

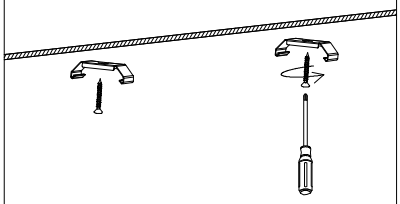



3.Drilling hole



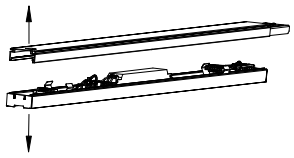
Drill holes according to corresponding size and hammer the rubber plug into the hole.

4. Fixed the buckle for ceiling installation



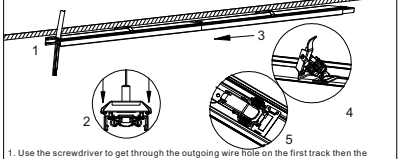
Thread the screw through buckle for ceiling installation and use cross screwdriver to lock the clip into the rubber plug.

5. Dismantle the light body



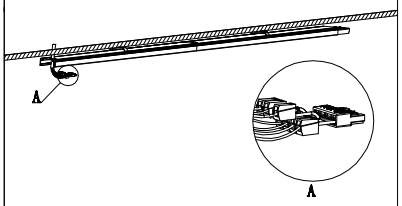
1. At one end of the light body, use two hands to hold the top and bottom part of the light body respectively. Pull it away with force to divide the light body into light and track.

6. Installation track



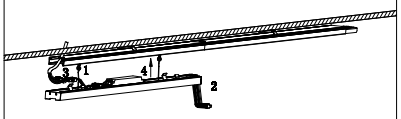

1. Use the screwdriver to get through the outgoing wire hole on the first track then the external AC connection line goes through the outgoing wire hole.
2. Track is clipped into the buckle of ceiling installation;
3. Clamp the next track into the next clip opening, the second track moves forwards and is inserted into connection plate of the first track.
4. Place the spring buckle of connection plate of the first track into pendent hook of buckle of the second track.
5. Lift backwards and press the handle of spring buckles. The spring contracts to tension the track 1 and track 2.

7. Connect the input end



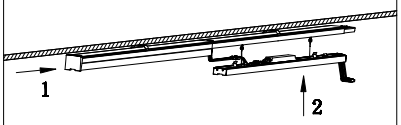

1. The external AC connection wire goes through the outgoing holes and connects N, GND, L1, L2, L2, L3, DIM+, and DIM- on the connector separately.

8. Install the light body




1. The safety rope of the light body is hung on the pendent of the safety rope inside the track.
2. The outgoing end of the light body is out of the light body.
3. The female end of the connector is inserted into male end of the light body.
4. With the light body upwards, two hands press the light body and left and right ends of the light body tightly with force so that the connection shrapnel of the light body is pressed into the track.

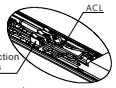
9. Install the end cap and the second stage light body.



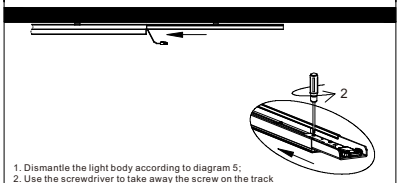

1. After the end cap of the whole light is placed well, press inside with force to install the end cap properly.
2. Install the second stage light body according to step 1 to step 4 in diagram 8 (in step 3, the female end of the first stage light body is inserted into the male end of the second stage light body).

10. Install the whole light of the spliced section


1. Dismantle the light body according to diagram 5;
2. Install the track according to step 2 to 4 in diagram 6;
3. Install the light body according to diagram 8 (the female end of the front light body is inserted into male end of current light body).
4. For three-phase power supply, after many strips are installed, the power of light body ACL and wiring connection position of the quick-connection terminals should be changed.
5. Splicing amount: when the input voltage is 90V, the single L line N*P<800W. When the input voltage is 220V, the single L line N*P<800W. N is total section number. P is the power of single strip light.




11. Installation of the tail track




1. Dismantle the light body according to diagram 5;
2. Use the screwdriver to take away the screw on the track connection plates and push the connection plate into the light body.
3. Install the track according to step 2 to 4 in diagram 6;

12. Install the tail light body and end cap


1. Install the light body according to diagram 8 (the outgoing terminal is not out of the light body).
2. After the end cap of the whole light is placed well, press inside with force to install the end cap of the tail stage properly.

## Installation requirements (according to installation diagram)

1. Cut off the power supply first before installation.
2. Ensure that the installed object can bear the light weight. The light fitting is installed on the ceiling reliably. Then install the light fitting into the clip of installed fitting.
3. Then connect wire connector attached to the light onto the corresponding power cord and carry out insulation sealing at the joint.
4. If the suspended installation method is selected, please fix the suspension chain on the installation surface. Then install another end into the light fitting. At last, adjust the suspension length and confirm that it will not come loose and fall off.
5. When it is spliced to the tail, the spliced parts should be pushed into the light. Then cover it with end cap.

## Package information

| Power | Internal box size | External size: | Quantity per external box | Gross weight of internal box | Gross weight of external box |
|---|---|---|---|---|---|
| 50W | 1350*85*90mm | 1370*190*380mm | 8PCS | 2.5Kg/box | 21 Kg/carton |
| 65W | 1650*85*90mm | 1670*190*380mm | 8PCS | 3.0Kg/box | 25 Kg/carton |

## Notice

1. Please read the product specification carefully first to confirm that the use environment is in line with the condition on the specification before it is used.
2. Please confirm the input voltage and frequency before use.
3. The light must be installed by professional personnel.
4. If the power cord and case of the products are damaged, it will be regarded as disqualified product and should not be used.
5. Dangerous high voltage. Non professional personnel should not repair.
6. If external soft cable or wire of the product is damaged, the wire should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.