

# 产 品 说 明 书

## Product Instruction Manual

产品名称: LED 高棚灯

**Product Name:**LED HIGH-BAY

型号编码: 50242161

**Model No.:** 50242161

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## 1. 产品简介 Product Introduction

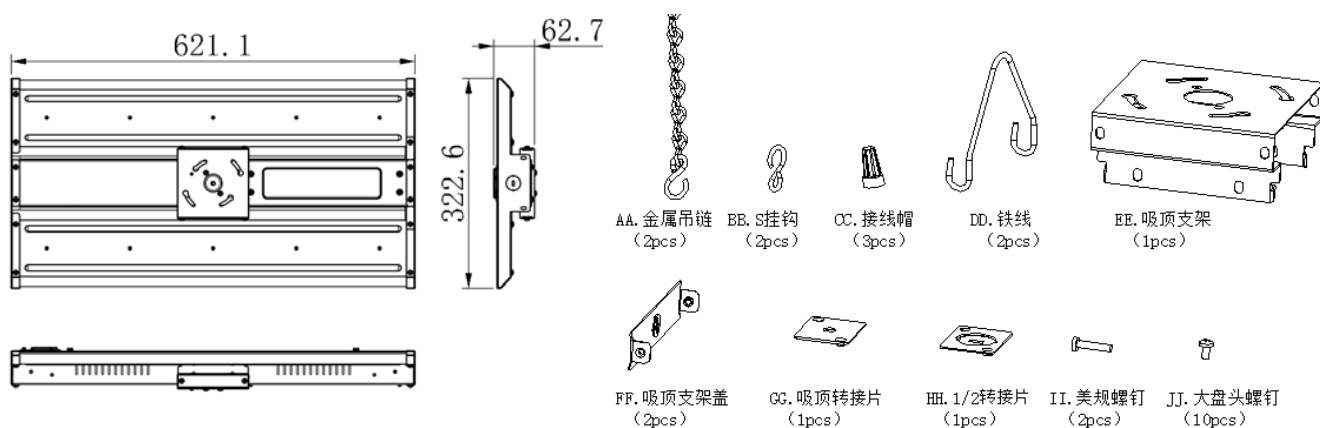
### 1.1. 产品描述: Product Description :

(配实物图 with physical map)

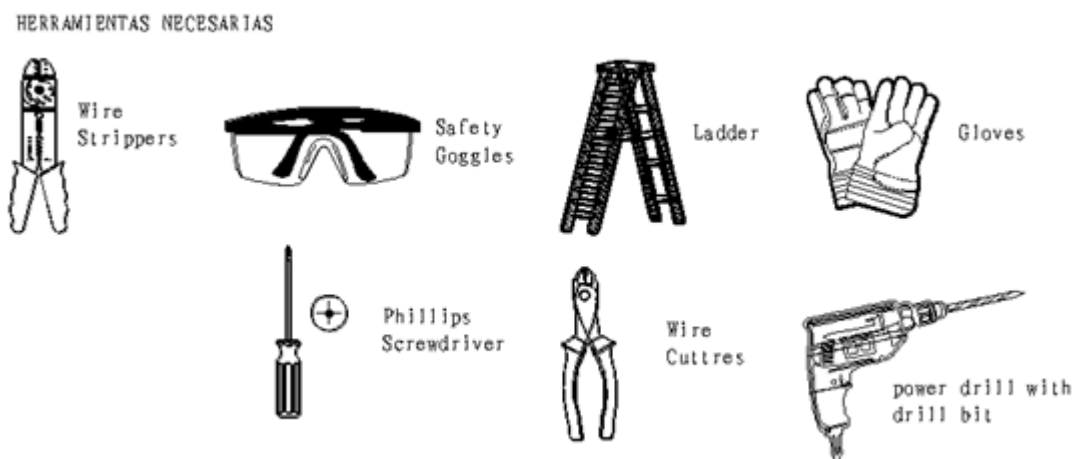


1. 外形尺寸:621\*323\*63mm.  
Dimension: 621\*323\*63mm.
2. 外壳为: SPCC+PC 扩散板  
Housing : SPCC+PC 扩散板
3. 内置电源.  
Built-in driver
4. 高亮 LED 灯珠.  
High efficacy LED

### 1.2 产品示意图 Product schematic diagram



### 1.3 安装工具 Tools for product installation



## 2. 产品特性 Product features

### 2.1. 产品特点 Product characteristic :

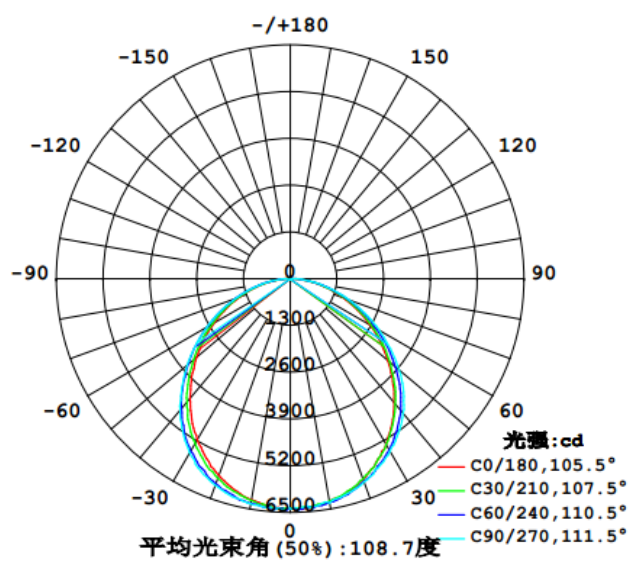
- 长寿命 5 万小时以上;  
Long lifetime (above 50,000hrs)
- 高效节能环保;  
High efficiency, energy saving, environmental friendly
- 耐冲击,抗震能力强,无紫外线和红外线辐射;  
Impact resistant, shock resistant, no UV and IR radiation
- 绿色环保, 无有害气体排放, 使用热量低, 安全可靠。  
Green Initiative, no harmful gas is emitted, low heat is generated while used, safe and reliable .
- 光色纯正, 使用过程中无频闪, 提供更好的视觉感受, 保护人眼视力。  
Authentic and pure light color, no flicker, protecting your eyes while providing better visual enjoyment.

### 2.2 技术参数 Specification

项目 /单位	参数
<b>电气参数 Electronic ratings</b>	
整灯功率 /W Rated Power/W	138W
输入电压 /V Rated Input voltage/V	AC 120-277V
工作频率/Hz Frequency/Hz	50/60Hz
电源效率/% Rated Power efficiency	>92%
功率因数 (PF) Rated Power Factor	>0.9
<b>光源参数 Photometric ratings</b>	
LED 类型/数量 LED Type/Quantity	2835LED/544pcs
整灯光通量 /Lm Lumen	18000lm
整灯光效/Lm/W Lumen efficiency	≥130
色温/K Temprature/K	5000K
显色指数/Ra CRI	≥80

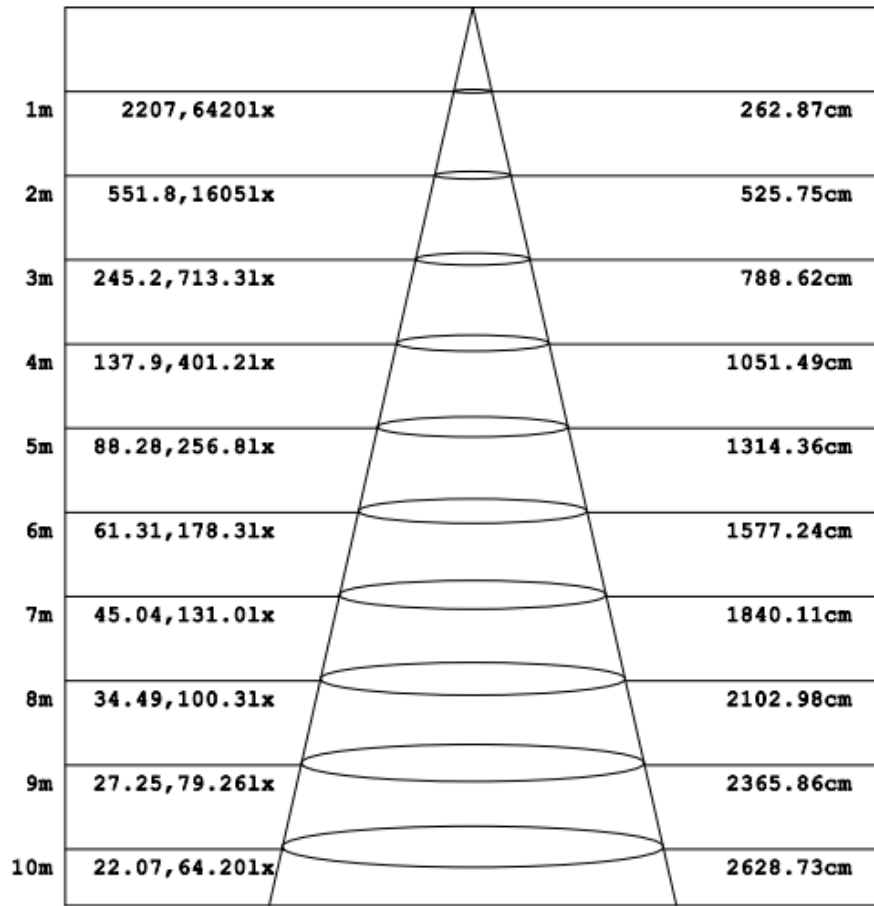
光束角 Beam Angle	NA
<b>物理参数 Physical information</b>	
材质 Material	SPCC\PC
工作温度 operating temperature	-40℃~+45℃
储存温度 storage temperature	-40~+80℃
防护等级 IP rating	IP20
灯具规格(L×W×H)/mmLuminaire dimension	621*323*53mm
净重/g Net weight	3.6Kg
设计寿命 /hrs Lifetime/hrs	50000h

### 2.3 配光曲线 Light distribution



### 2.4.照度分布Polar diagram

光通输出:12211 lm



光束角:105.47度  
注:曲线为灯具在不同投射距离下的照射区域及区域内平均照度。

### 3 安装方法 Method of application

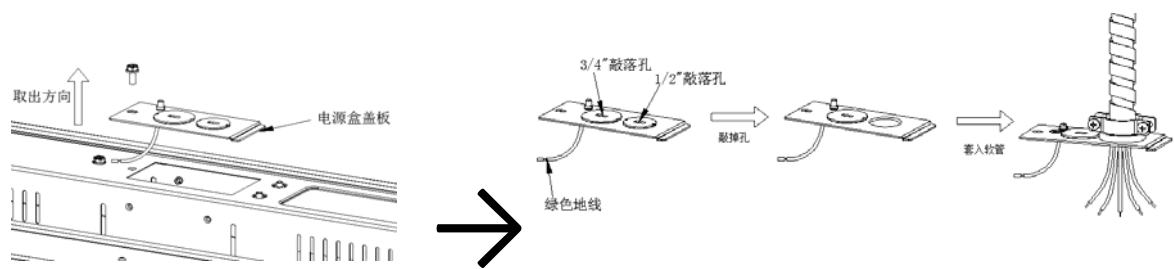
注意: 灯具安装前务必将电源切断, 严禁带电操作!

Caution: disconnect the power before installation.

#### 3.1 吊链安装 Suspension Mounting

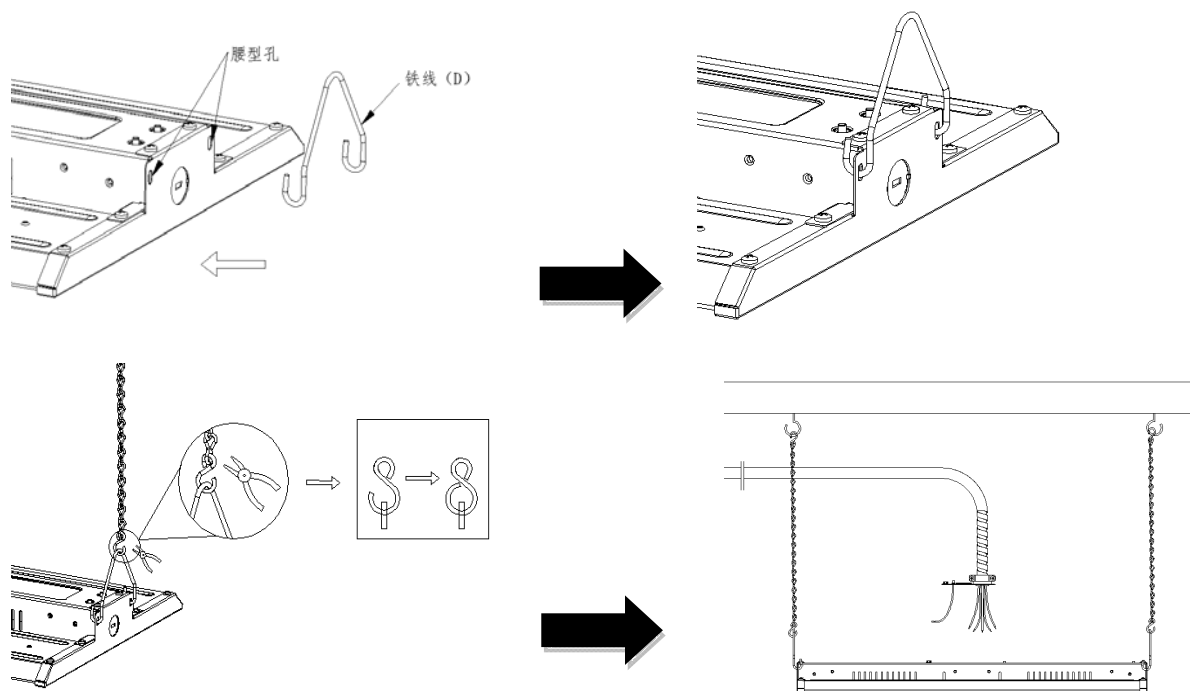
3.1.1 取下电源盒盖板, 用螺丝刀扭掉敲掉箭头所示敲落孔, 把软管(带 1/2" 或 3/4" 接头, 用户自备)内的线穿过电源盒盖板, 软管卡入刚刚敲落的孔;

- Remove the driver box cover plate, punch out the knock out in the direction of the arrow by using screwdriver.
- Put the screws aside as they will be needed to reattach the driver box to the fixture body (A) in a later step.
- Make the conduit (1/2in or 3/4in connector, not included) through the driver box cover plate.



3.1.2.铁线 (DD) 穿过灯具两端的腰型孔；金属吊线 (AA) 的S钩穿过铁线 (DD)，用钳子使开口挂钩闭合，将金属吊线 (AA) 的S挂钩分别套进天花板的挂钩（用户自备,挂钩圆径 $\phi$  3-4mm）上；

- Insert the V clip (DD) into the two holes of the end of driver box.
- Attach the S-hook on one end of the mounting chain (AA) to the center of the V clip (DD) and close the hook with pliers to secure it.
- Repeat these steps with the second V clip (DD) and mounting chain (CC) on the opposite end of the fixture body (A).



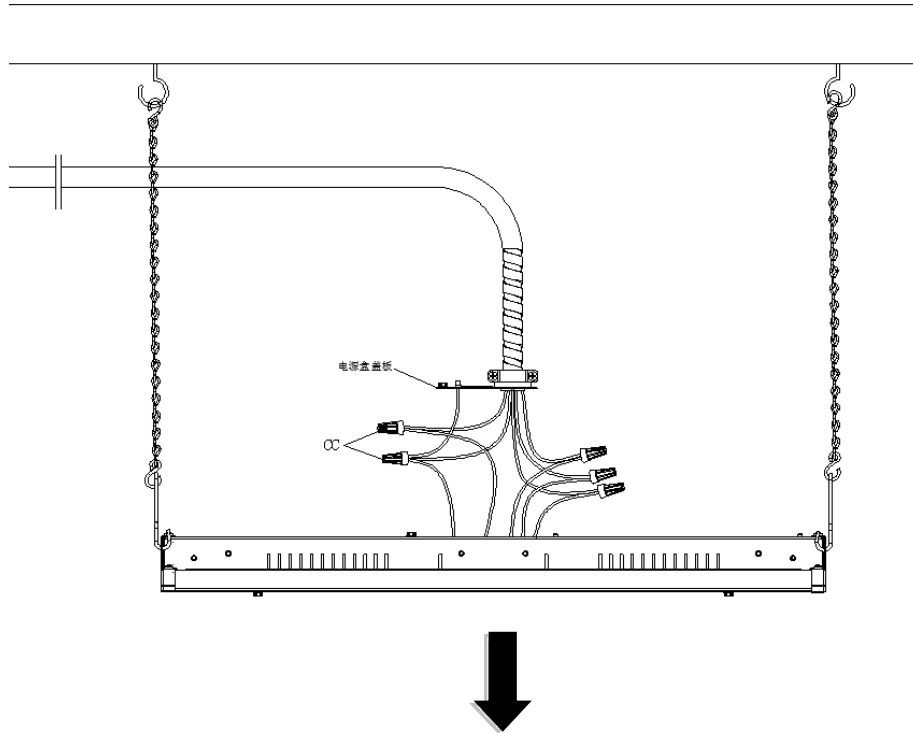
### 3.1.3

- Hang the fixture body by placing one chain (AA) over each hook (not included) that has been installed on the ceiling.
- Adjust the chains to level the light. The fixture must hang at least 3 in. from the ceiling.
- Feed the wiring through an appropriate conduit based on local electrical code.

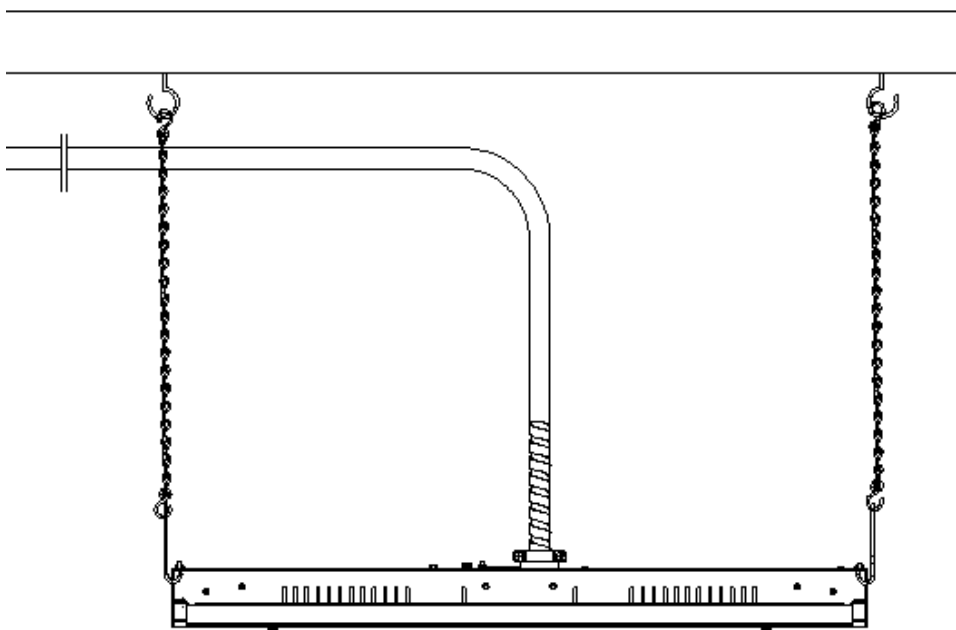
3.1.4 把软管(带 1/2" 或 3/4" 接头,用户自备)内的市电线材与灯具输入线(1 根黑色, 1 根白色, 2 根绿色, 1 根紫色和 1 根灰色线材)按照颜色用接线帽 (CC) 连接起来, 再将线缆装入电源盒内,按原样装回电源盒盖板, 完成吊绳安装.[说明: 黑色线是 L, 白色线是 N, 绿色线

是地线，紫色线是调光正极（DIM+），灰色线是调光负极（DIM-）。]

- a. Feed the electrical wires from the fixture (A) through the conduit (1/2in or 3/4in connector, not included).
- b. Connect the hot and neutral (black and white) wires from the fixture body (A) to the same color wires from the conduit.
- c. Connect the green wire from the fixture body (A) to the grounding wire from the conduit.
- d. If 0-10v dimming circuit is available, connect the purple and gray wires from the power supply box to the same color wires from the flexible pipe.
- e. If dimming is not desired, wrap the ends of the purple and gray wires with electrical tape to cover the wire.
- f. Cover the wire connections using the wire connectors (CC).
- g. Wrap the wire connectors (CC) with electrical tape for a more secure connection.
- i. Position the wires back inside the driver box and attach the cover plate to the driver box using the previously removed screws.





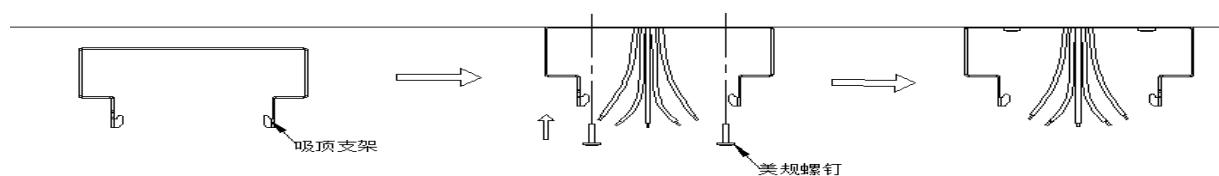


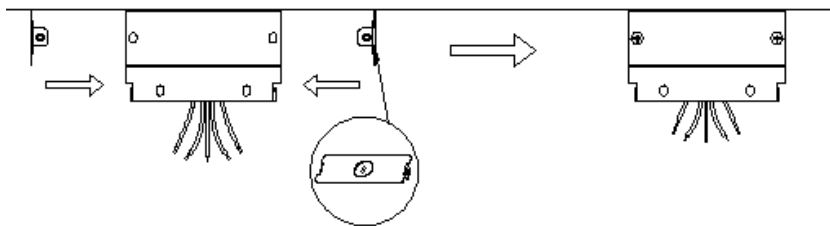
## 3.2 吸顶安装 Surface Mounting

3.2.1 把接线盒中的线材从中间圆孔中掏出，把吸顶支架用螺钉（II）安装在墙壁上；用 4 个螺钉（JJ）将吸顶支架盖固定在吸顶支架两侧。

Feed the wiring out through the center hole of the electrical box.

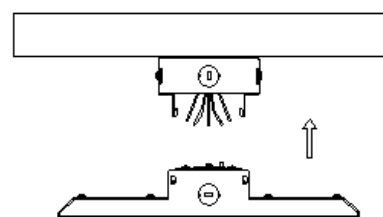
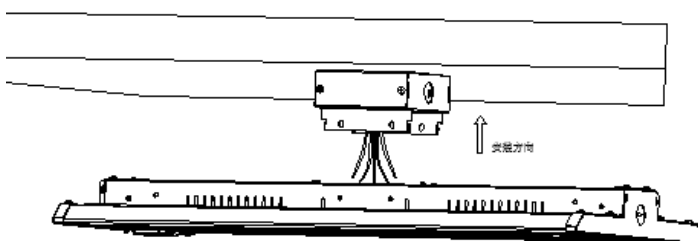
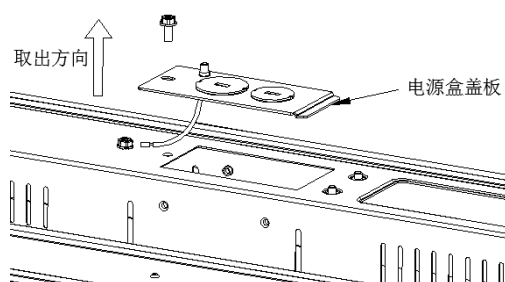
Install the surface mounting bracket to the wall using screws (II), then lock the surface mounting bracket cover plate using four screw(JJ) as the direction of arrow.

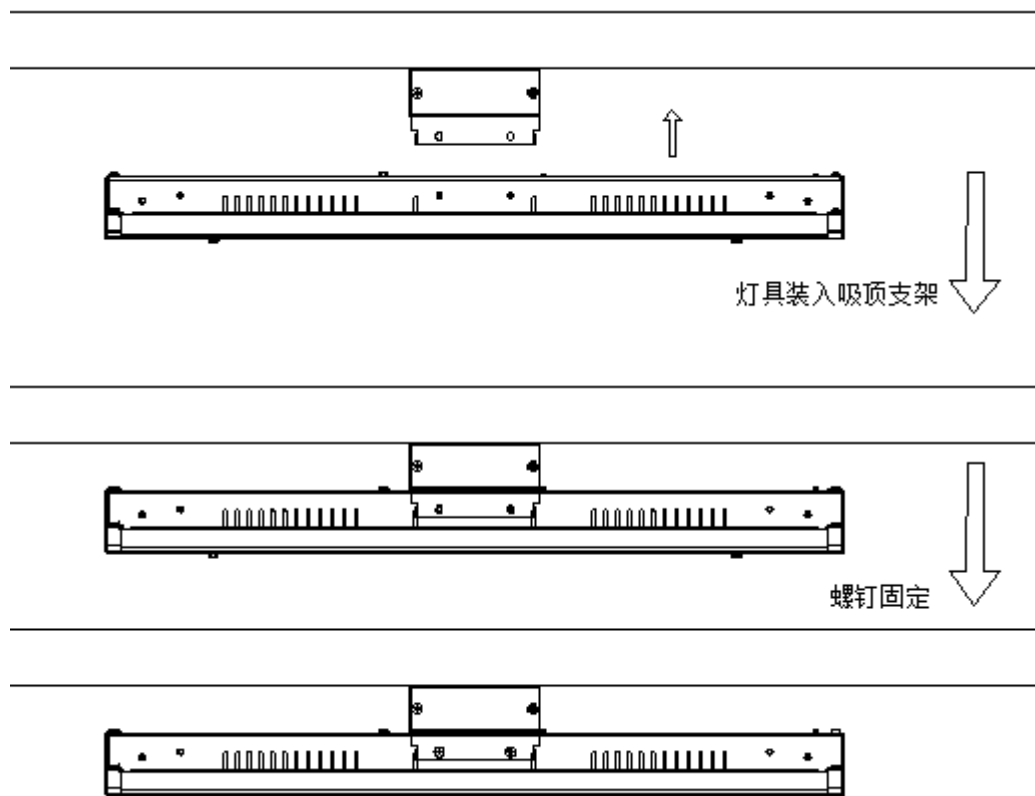




3.2.2 将灯具的电源盒盖板用螺丝刀拆掉（吸顶安装时电源盒盖板不用安装）；将市电电缆从方孔放入电源盒，把灯具挂进已装好的吸顶支架上，用配件螺钉（JJ）在两边的4个位置紧固，如下图。

- Remove the driver box cover plate, punch out the knock out in the direction of the arrow by using screwdriver.
- Feed the wiring from the electrical box to the driver box through the square opening.
- Install the fixture (A) to the surface mounting bracket, tighten the surface mounting bracket using four screws(JJ).

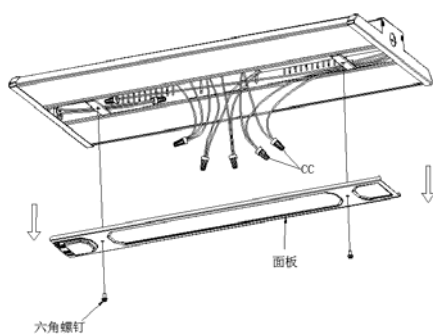


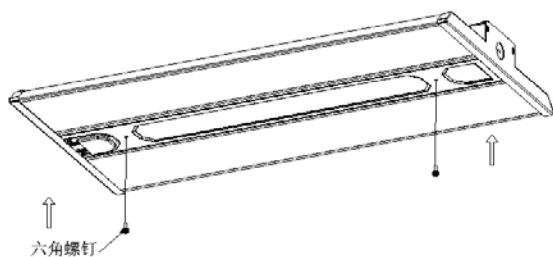


3.2.3 打开面板，将市电电缆与灯具输入线(1 根黑色，1 根白色，2 根绿色)按照颜色用接线帽 (CC) 连接起来，再将线缆塞回电源盒,按照原样装回面板，吸顶安装完成。

说明：黑色线是 L，白色线是 N，绿色线是地线。

- Feed the electrical wires from the fixture (A) through the cover plate.
- Connect the hot and neutral (black and white) wires from the fixture body (A) to the same color wires from the electrical box.
- Connect the green wire from the fixture body (A) to the grounding wire from the electrical box.
- Cover the wire connections using the wire connectors (CC).
- Wrap the wire connectors (CC) with electrical tape for a more secure connection.
- Position the wires back inside the electrical box and attach the cover plate to the electrical box using the electrical box screws.

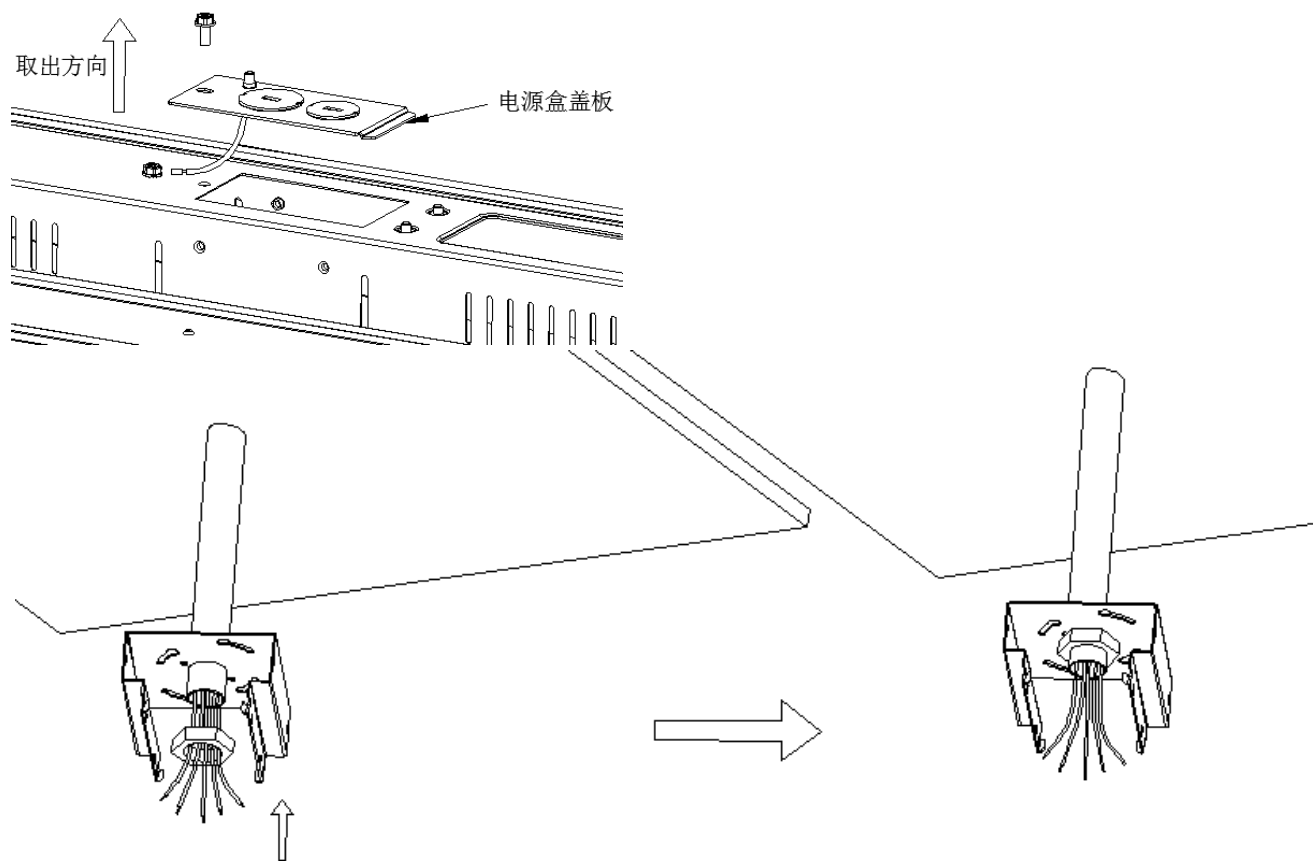




### 3.3 吊杆安装 Downrod Mounting

3.3.1 把灯具的电源盒盖板用螺丝刀拆掉（吊杆安装时电源盒盖板不用安装），把吸顶支架（EE）穿过吊杆（这里以 3/4" 管为例），使用螺母（用户自备）将吸顶支架（EE）固定在吊杆上。

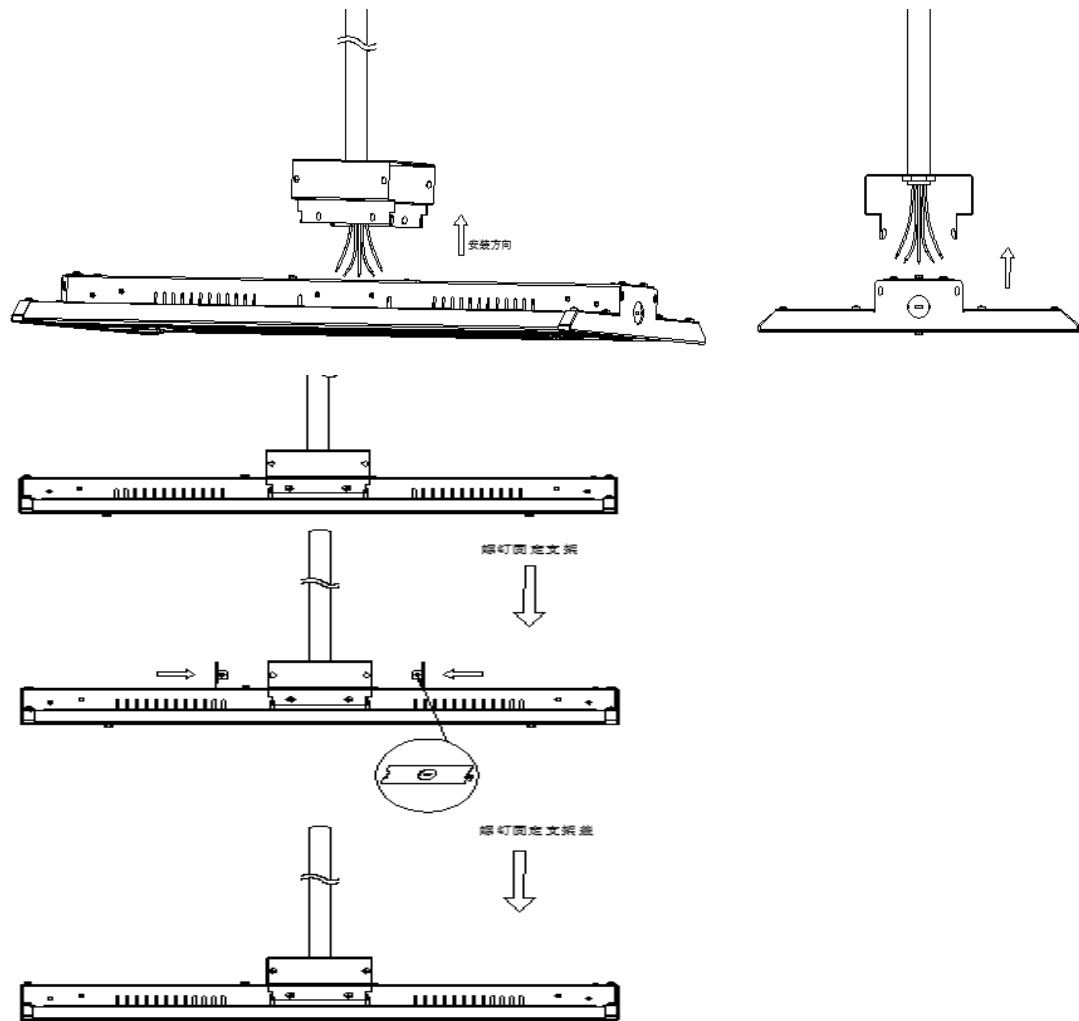
- Remove the screws that attach the driver box to the LED fixture body (A) using the screwdriver.
- Make surface mounting bracket through rigid pipe (3/4", not included), and fix the bracket to the rigid pipe using screw nut (not included).



3.3.2 将市电电缆从方孔放入电源盒，把灯具挂进已装好的吸顶支架（EE）上，用配件螺钉（JJ）在两边的 4 个位置紧固，如下图；用 4 个螺钉（JJ）将吸顶支架盖固定在吸顶支架两侧。

- Feed the wiring from the electrical box to the driver box through the square opening.
- Install the fixture (A) to the surface mounting bracket, tighten the surface mounting bracket using four screws (JJ). Then lock the surface mounting bracket cover plate using four screw (JJ).

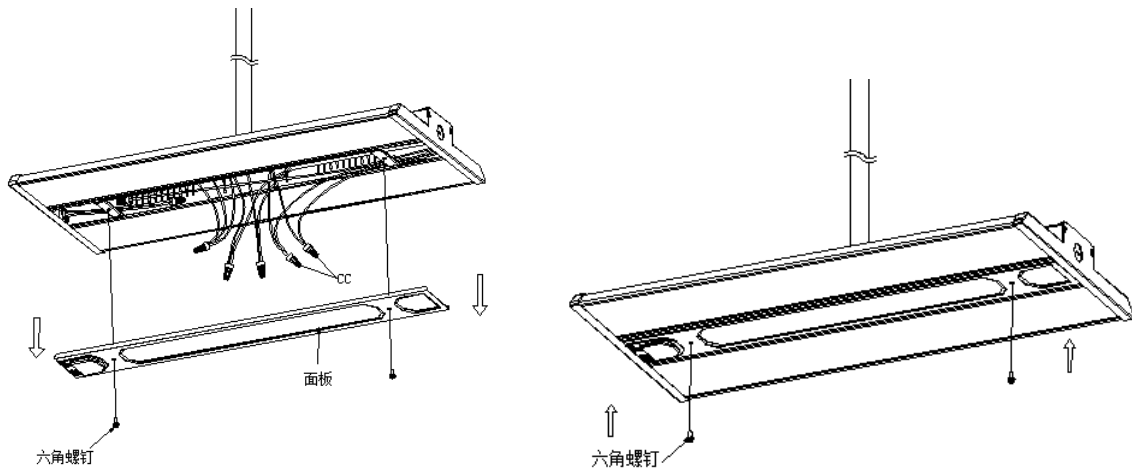
as the direction of arrow.



3.3.3 打开面板，将市电电缆与灯具输入线(1 根黑色，1 根白色，2 根绿色)按照颜色用接线帽 (CC) 连接起来，再将线缆塞回电源盒,按照原样装回面板，吸顶安装完成。

说明：黑色线是 L，白色线是 N，绿色线是地线。

- Feed the electrical wires from the fixture (A) through the cover plate.
- Connect the hot and neutral (black and white) wires from the fixture body (A) to the same color wires from the electrical box.
- Connect the green wire from the fixture body (A) to the grounding wire from the electrical box.
- Cover the wire connections using the wire connectors (CC).
- Wrap the wire connectors (CC) with electrical tape for a more secure connection.
- Position the wires back inside the electrical box and attach the cover plate to the electrical box using the electrical box screws.



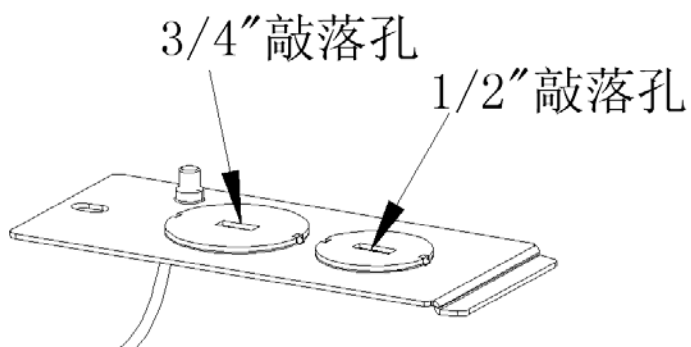
### 3.4. 维护说明

- \*为延长使用寿命请勿使用酒精等挥发性溶剂擦拭灯体；
- \*Do Not use volatile solvent such as alcohol to clean the troffer.
- \*清洁时可以使用柔棉布沾肥皂水拧干后擦拭灯体；
- \*Use soft cotton cloth with suds to clean the troffer .
- \*非专业人士请勿拆修灯具；
- \*Non-professional do Not attempt to take apart and repair the troffer .
- \*不可拆卸软缆或软线，如果损坏须请专业人士或制造厂商更换。
- \*No disassemble the soft cord, if broken, please invite professional personnel or ask the manufacturer to change

## 4. 兼容功能 Compatible Function

4.1 灯具安装兼容 1/2"和 3/4"两种管材吊杆安装。

The fixture is compatible with two kinds of rigid pipes (1/2in and 3/4").



## 5. 环境要求 Environmental requirement

使用环境温度 Operating temperature: -40~+45℃;

存储环境温度 Storage temperature: -40~80℃。

## 6. 产品执行标准 Product carried standard

UL1598

## 7. 警告 Warning

- Risk of fire/electric shock.
- Ground fixture to avoid potential electric shock.
- Turn off the power at fuse or circuit breaker box before installation and maintenance.
- Edges may cut. Handle with care.

### FCC STATEMENT

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

To comply with FCC's RF radiation exposure limits for general population/uncontrolled exposure, this device must be installed to provide a separation distance of at least 20cm from all persons.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

## 8.包装说明 Package instruction

### 8.1 包装规格 Package specification

包装盒尺寸 Package size	621*323*63mm
灯具数量/箱 Lamp Qty./box	1PCS
净重 Net weight	3.6Kg
毛重 Gross weight	3.9Kg

### 8.2 包装清单 Package list :

物品名称 Item	数量 Quantity
灯具 fixture	1
产品配件包 Accessories	2
说明书 Manual	1