

Congratulations on your purchase of this product. Please read this user manual carefully.

Specification

| | | |
|-------------------|---|---------------|
| Model | PL-E60D | PL-E90D |
| Color temperature | 2700K-6500K | |
| Brightness | 0%-100% | |
| luminance | 1500 Lux@1m | 2200 Lux@1m |
| Half beam angle | Appr.70° (without honey comb) Appr.40° (with honey comb) | |
| CRI | 98 | |
| TLCI | 99 | |
| Working voltage | DC 11-36V | |
| Power consumption | Appr.60W | Appr.90W |
| Dimension | Details find fig1、2、3 | |
| Lighting area | 258mmx258mm | 526mm x 258mm |
| Net weight | 3.2Kg | 4.8Kg |

Caution

1. Please do not disassemble the light or touch its inner part with metal;
2. Please do not put the light under conditions full of dust or moisture to avoid damage;
3. USB socket is reserved socket; pls use according to specified using environment for related products, and do not use for other purpose to avoid damage.
4. When using interaction control function, pls do not connect to DMX output equipments, otherwise this function can not be used.
5. Only use the light in the temperature range of -10°C~40°C.

Clean

1. Please clean the front LED panel with soft dry cloth. If using soft cloth with slight clean neutral detergent solution, please wipe again with a soft dry cloth.
2. Do not use wet cloth, anhydrous alcohol, gasoline, or a mixture of anhydrous alcohol and ether etc. to wipe the front LED panel.

Dimension

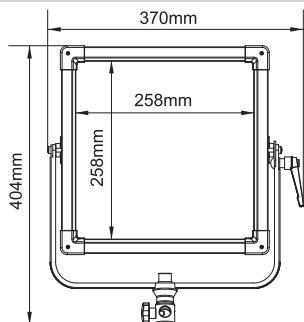


Fig 1 PL-E60D

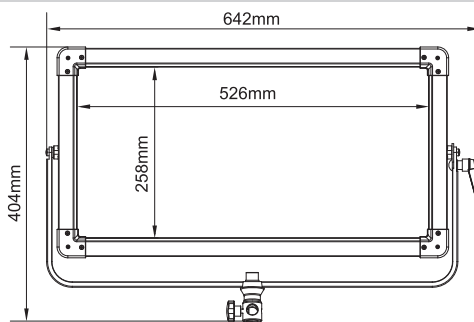


Fig 2 PL-E90D

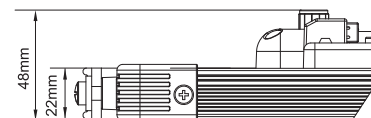


Fig 3 PL-E60D/PL-E90D

Appearance

Front view:

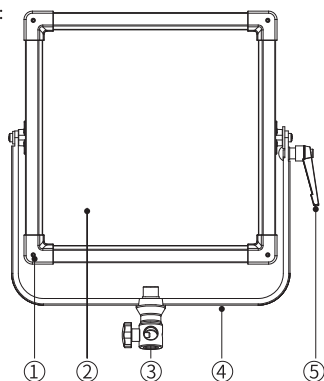


Fig.4 PL-E60D

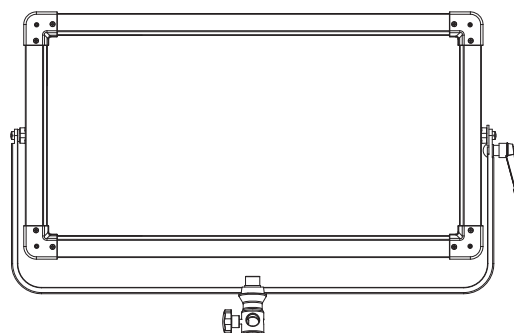


Fig.5 PL-E90D

Rear view:

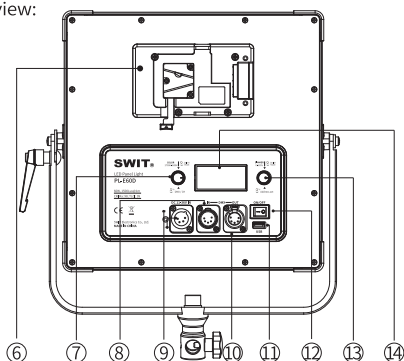


Fig. 6 PL-E60D

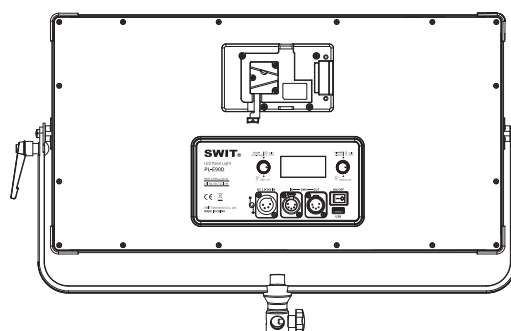
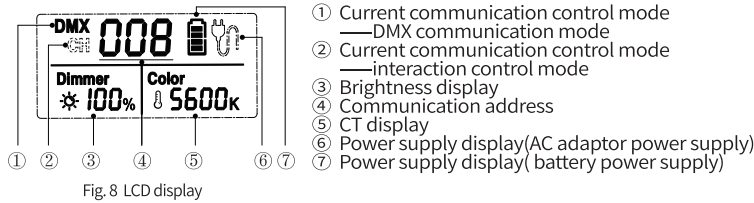


Fig. 7 PL-E90D

LCD display

For example: color temperature 5600K, dimmer 100%, powered by fully charged battery ,DMX communication mode, address008, it will display as below:

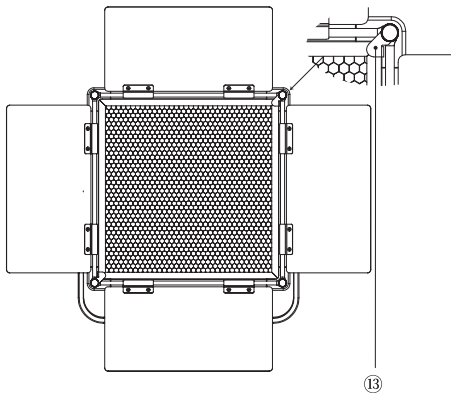
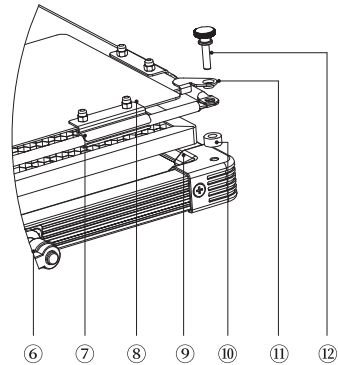
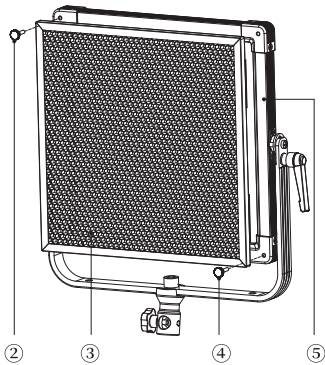
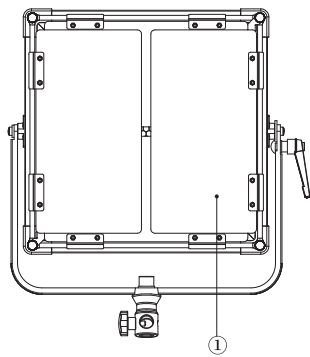


Note: When powered by battery, the battery capacity will be displayed as below:

| | |
|--------------------------------------|--------------------------|
| Four LEDs | About 80%-100% |
| Three LEDs | About 60%-80% |
| Two LEDs | About 40%-60% |
| One LED | About 20%-40% |
| No display (outline boarder flicker) | Under 20%, lack of power |

Optional Accessory Installation

Fig. 9~12 is the installation instruction for PL-E60D; the installation of PL-E90D is the same as PL-E60D.



- ①⑧ Barn door
- ②④⑫ Knurled thumb screws with collar
- ③ Big Honeycomb
- ⑤⑥ Light body
- ⑦ Low head screws
- ⑨ Small Honeycomb
- ⑩ Shim
- ⑪⑬ Pressure plate

- The way to install the barndoor is shown as Fig.9 and Fig.11.
Note: Put the low head screws upward during the installation.
- Please confirm the types of honeycomb before using it. (The types of honeycomb size are shown as below).
 - 1) Purchase of big honeycomb
The way to install the honeycomb is shown as Fig.10.
 - 2) Purchase of small honeycomb
The small honeycomb can be used with the barndoor simultaneously. Fix the honeycomb by rotating the pressure plate(see Fig.12 ⑬) after the installation as shown in Fig.11, and then use the light normally.

| Honeycomb type | PL-E60D | PL-E90D |
|----------------------------|----------------------|----------------------|
| Big honeycomb (L x W x H) | 290mm x 290mm x 10mm | 558mm x 290mm x 10mm |
| Small honeycomb(L x W x H) | 268mm x 268mm x 10mm | 536mm x 268mm x 10mm |

Usage

1. Installation

- 1.1 Accessory installation
Pls check Optional Accessory Installation for the honeycomb (Fig. 10 ③/ Fig.11 ⑨) and barn door (Fig. 9 ①) installation.
- 1.2 User can install the light on a tripod or stand, and adjust demanded beam angle by knob on both sides of the U-stand.

2. Power supply

The light provides two ways of power supply, by V-mount or Gold mount battery or by 4-pin XLR AC-DC power. Turn on the light (Fig. 6 ⑫) and set the color temperature (Fig.6 ⑬) and brightness (Fig. 6 ⑦) to user's requirements.

3. Dimmer and color temperature setting

The light provides two ways of adjusting the color temperature and brightness: normal adjusting mode and quick adjusting mode. User can switch the adjusting mode by press the dimmer knob and color temperature adjusting knob (Fig.6⑬/⑦). User can quickly set the dimmer and color temperature to their needs by combining two adjusting modes.

3.1 Normal adjusting mode

- (1). Color temperature adjust
Range: 2700K-6500K, adjust value: 50K
- (2). Dimmer adjust
Range: 0%-100%, adjust value: 1%

3.2 Quick adjusting mode

- (1). Color temperature adjust
Under this mode, user can quickly choose common color temperature: 2700K, 3200K, 4500K, 5600K, and 6500K
- (2). Dimmer adjust
Range: 0%-100%, adjust value: 10%

4. Communication Address Setting and Usage

Press and hold dimmer knob (Fig.6⑬) for 2s to enter communication address setting interface, the address setting range is 001 to 512.

LCD digital tube (Fig.8 ④) flashing means the current address is selected, rotate the brightness adjusting knob (Fig.6⑬) to set the current address, press the brightness adjusting knob (Fig.6⑬) to confirm, when finish the last setting, press the brightness adjusting knob (Fig.6⑬) or wait for about 5s to quit.

5. Communication Control Mode Setting and Usage

Connect the lights network through using DMX cable. Press and hold color temperature adjusting knob (Fig.6 ⑦) for around 2 seconds to complete the communication control setting.

5.1.DMX Communication Mode

The upper left corner of LCD shows "DMX" (Fig.8①) indicating that the communication control mode currently is the DMX communication mode. In this mode, connect the DMX signal output device to the lights network, and set up the communication address to work normally. A light occupies 2 DMX control channels. The current DMX address (N) is brightness control, and the next set address of the current value (N+1) is color temperature control.

For example:

| DMX Communication address | DMX Control address | Function |
|---------------------------|---------------------|-------------------------------|
| 005 | 005 | Brightness 0%-100% |
| | 006 | Color temperature 2700K-6500K |

5.2. Interaction Control Mode

The upper left corner of LCD shows "CH" (Fig. 8 ②) indicating that the communication control mode currently is interaction control mode. In this mode, set the target lights to the same communication address to work normally, and the master-slave machine is not distinguished.

Note: when using this mode, please do not connect the DMX signal output equipment in the lighting network; otherwise the function can not be used normally.

6. USB socket

USB socket is reserved socket. Pls use according to specified using environment for related products, and do not use for other purpose to avoid damage.

Packing List

| | Packing list | Package 1 | Package 2 | Package 3 | Package 4 |
|----|--|--|-----------|-----------|-----------|
| 1 | PL-E60D/PL-E90D | × 1 | × 1 | × 3 | × 3 |
| 2 | .Barn door | / | × 1 | / | × 3 |
| 3 | Power cable | × 1 | × 1 | × 3 | × 3 |
| 4 | Power adaptor | × 1 | × 1 | × 3 | × 3 |
| 5 | V-mount hook&loop | × 1 | × 1 | × 3 | × 3 |
| 6 | Tripod | / | / | × 3 | × 3 |
| 7 | Carrying case | × 1 | × 1 | / | / |
| 8 | Trolley case | / | / | × 1 | × 1 |
| 9 | DMX cable (Optional) | Customers can purchase separately according to the requirements. | | | |
| 10 | Honeycomb (Optional) | | | | |
| 11 | Barn door (Optional) | | | | |
| 12 | Set of Barn door and Honeycomb(Optional) | | | | |

Note:

1. Package 1: Single light package
2. Package 2: Single light package (with barn door)
3. Package 3: KIT1 (with trolley case)
4. Package 4: KIT2 (with trolley case, barn door)