Thank you for choosing Stage Plus products. Please read the instructions before using, and keep it for future reference.

Introduction

This product is designed for applications in film, television, photography, and studio, and is equally suitable for deployment in theatres, concert halls, or any other entertainment stage lighting applications.

Specification

Model	PL60D	PL120D
LED	900pcs	1800pcs
Color Temperature	2700K-6500K	
Intensity	0%-100%	
Illuminance	2000 Lux@1m	3700 Lux@1m
Half beam angle	About 65°	
Beam angle	About 100°	
Half beam angle (with honey comb)	About 40°	About 45°
CRI	95	
TLCI	99	
Working Voltage	DC 11V-17V	
Output power	Appr. 60W	Appr. 120W
Energy Efficiency Index	<G> Test under this parameter: Dimmer=100% ,CCT=6500k	
Dimension	See Fig.1 /Fig.2 /Fig.3	
Luminous size	310mm x 310mm	600mm x 310mm
Weight	3.2Kg	4.7Kg

Cautions

1. Avoid disassembling the panel light or coming into contact with its interior using metal objects to prevent any potential damage.
2. Keep the panel light away from dusty or wet environments during storage.
3. The USB interface is designated for specific use with the company's related products. Please refrain from using it for other purposes to avoid any associated losses.
4. When utilizing the mutual control function of the panel light, refrain from connecting the output device of the DMX signal to the panel light network, as this may disrupt normal function.
5. Only operate the panel light within the temperature range of -10°C to 40°C.

Maintenance

1. Use a soft, dry cloth to clean both the light and front panel. Alternatively, a soft cloth dampened slightly with a neutral detergent solution can be used, followed by wiping with a dry cloth.
2. Avoid using a wet cloth, absolute alcohol, or benzene to clean the light panel or soft panel, as this may result in damage to the soft panel.
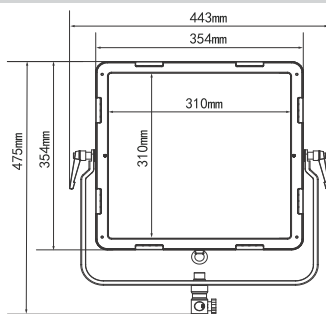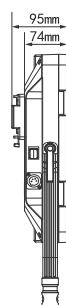
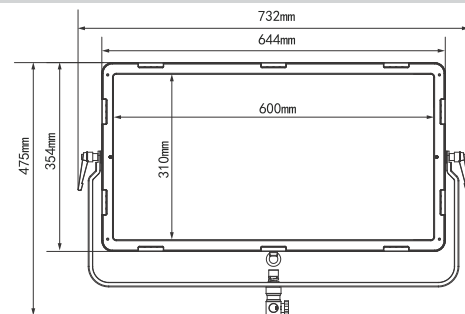## Overall Dimensions

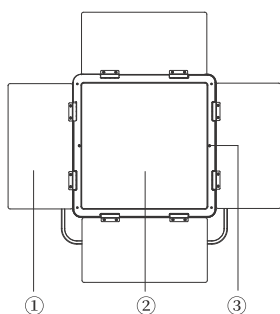Fig.1 PL60D   Fig.2 PL120D   Fig.3 PL120D

Appearance

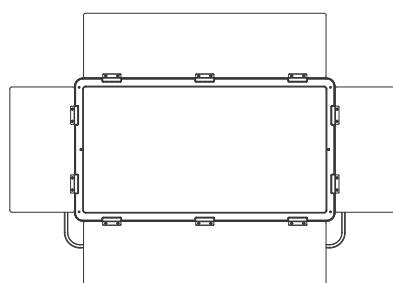Fig.4 PL60D   Fig.5 PL120D   Fig.6 PL60D   Fig.7 PL120D
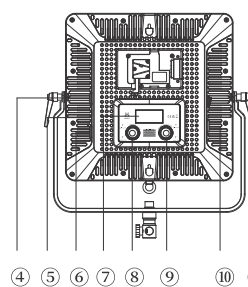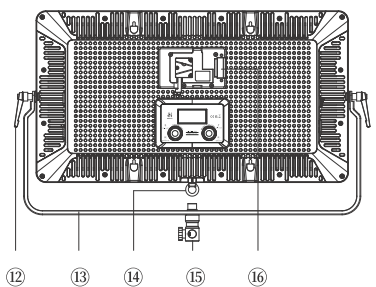
① Barn door
② Diffuser
③ Mounting hole

④ DMX OUT
⑤ USB interface
⑥ DMX IN
⑦ LCD screen

⑧ Intensity
⑨ Color temp
⑩ DC input
⑪ Power switch

⑫ Adjust knob
⑬ U-shape bracket
⑭ Ring
⑮ Bracket adaptor
⑯ Battery plate

LCD Display Information

Take the "color temperature 5600 k, brightness 100%, battery full power supply, DMX communication mode, communication address 008" as an example：
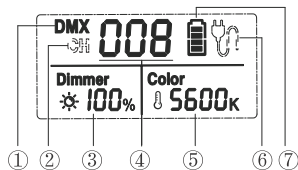
① Current Support Communication Control Mode for Light - DMX Communication Mode
② Communication control mode currently supported by light - Inter control mode between lamps and lanterns
③ Brightness display
④ Communication address
⑤ Color temperature
⑥ Power supply display (Adaptor)
⑦ Power supply display (Battery)

The power display when using battery:

Four cells	About 80%-100%
Three cells	About 60%-80%
Two cells	About 40%-60%
One cells	About 20%-40%
Blank	Below 20%, Power warning

Accessories

Fig. 9- Fig.10 shown as how to assemble the honeycomb, PL60 is the same as PL120
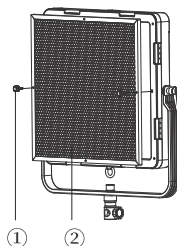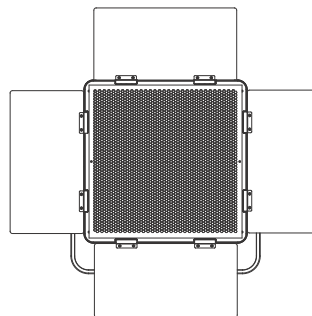
① M3*16 Screws
② Honeycomb

Fig.9 Honeycomb assembly   Fig.10 Honeycomb and barn door

Usage

1. Install
1.1 Accessories
Honeycomb (fig.9, fig.10) installation method detailed see **[Accessories]**
1.2 Install this product on the light bracket according to the requirement of use, adjust the illumination angle of light through adjustable handle.

2. Power supply
This product support battery and adaptor power supply，switch on the light (Fig.6 ⑪) ,set the require light parameter by brightness adjusting knob(Fig.6 ⑧)、color temperature adjusting knob (Fig.6 ⑨) , then use normally.
Tips：The connection and disconnection of power adaptor XLR.
1) Connection
Align the hump of output male XLR to the gap of the DC socket,connect XLR and DC socket,the adaptor will connect with the light when you hear the crack sound.
2) Disconnection
Hold the hump of the DC output female XLR and pull out,the power adaptor and the light will be disconnected.

3. Setting and Use of Brightness and Color Temperature
This product support two color temperature and brightness adjusting mode：General adjusting mode、Fast adjusting mode. Press brightness/color temperature adjusting knob (Fig.6 ⑧/⑨) to change the adjusting mode the user can set the brightness/color temperature quickly by combining the two adjustment modes according to the usage demand.
3.1 General adjusting mode
(1).Color temperature adjusting
Range：2700K-6500K，adjusting step length：50K
(2).Brightness adjusting
Range：0%-100%，adjusting step length：1%
3.2 Fast adjusting mode
(1).Color temperature adjusting
In this mode, you can quickly select common color temperature：2700K、3200K、4500K、5600K、6500K
(2).Brightness adjusting
Range：0%-100%，adjusting step length：10%

4. Setting and Use of Communication Address
Long pressing the brightness adjusting button (Fig.6 ⑧) about 2s to enter in communication address setting interface, communication address range：001-512.

LCD digital tube field (Fig.8 ④) flashing indicates that the current bit is selected, rotate the brightness adjustment knob (Fig.6 ⑧) to set the current bit, press the brightness adjustment knob (Fig.6 ⑧) to determine the setting of the current bit and go to the next bit, when the setting of the last bit is completed, press the brightness adjustment knob (Fig.6 ⑧) or wait for about 5 s, to exit the setting of the communication address.

5. Setting and Use of Communication Control Mode
Through the DMX line of the lamp network, long press color temperature adjustment knob (Fig.6 ⑨) about 2 s, to complete the lamp communication control mode setting.
5.1. DMX communication model.
LCD upper left corner shows "DMX" (Fig.8 ①) indicates that the current supported communication control mode of the light is DMX communication mode. in this mode, the DMX signal output equipment is connected to the lamp network, and the communication address is set up, which can be used normally.

One panel light takes up 2 DMX control channels. The current set DMX address (N) is the brightness control, and the next set address (N+1) is the color temperature control.

For example：

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

5.2. Intercontrol Mode
LCD upper left corner shows "CH" (Fig.8 ②) indicates that the communication control mode currently supported by the light is mutual control mode. In this working mode, the target lamp can be set to the same communication address for normal use without distinguishing between master and slave.

Attention: when using the mutual control function of lamps and lanterns, do not connect the output equipment of DMX signal in the network of lamps and lanterns, otherwise this function can not be used normally;

6. USB interface usage
USB interface is reserved interface, please use according to the designated environment of the company's related products, can not be used for other purposes, so as not to cause losses.

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Packing List

Number	Packing List	Packing Bag	Engineering Package	Three Lights Kit (PL60)
1	PL60D/PL120D	X 1	X 1	X 3
2	Power cable	X 1	X 1	X 3
3	Warranty card	X 1	X 1	X 3
4	Light bag	X 1	/	/
5	User manual	X 1	X 1	X 3
6	Adaptor	X 1	X 1	X 3
7	V-mount velcro fastener	X 1 (PL60D)	X 1 (PL60D)	X 3
8	Tripod	/	/	X 3
9	Trolley case	/	/	X 1
10	Ring (Optional)	X 1 (PL120D)	X 1	/
11	Safety rope (Optional)	X 2 (PL120D)	X 2	/
12	DMX cable (Optional	Customers can purchase separately on demand			
13	Honeycomb (Optional)			

Tips: The adaptor and LED PCB board can be changed, the parameters of the recommended adaptor are below:

No.	Specification	Parameter
1	DC output socket	4Pin XLR
2	Adaptor output power polarity	Pin 1"-", Pin 4 "+"
3	Working voltage	AC 100-240V, 50/60Hz
4	Output voltage	DC 12-17V
5	Voltage accuracy	±5%
6	Rated Power (Max.)	≥150W
7	Power factor	≥0.9
8	Working Temperature	-10°C- 40°C

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