

PL-E90D | 90W Portable Bi-color SMD Panel LED light



- > 480pcs edge mounted SMD-LEDs
- > Unique 90° light guide technology
- > 90W power, 2200Lux @ 1meter
- > 0-100% flick-free dimming
- > 70° effective wide beam angle
- > 2700K-6500K continuously adjustable
- > Super high CRI Ra 98, TLCI 99
- > DMX512 control and interaction control
- > LCD display color, dimmer and battery info
- > DC 11-36V wide input voltage
- > Power by V-mount / Gold mount battery
- > Strong all-metal housing with U-stand
- > Provide portable 3-light kit with tripods
- > Optional 4-leaf barn door and 40° honeycomb

MSRP Ex TAX / Shipping

Features Specifications Download What's in box Optional accessory Related

### 480pcs Edge Mounted LEDs

Super thin, area light, soft and glareless

PL-E90D is specially designed for field portable lighting applications. 480pcs SMD-LEDs are mounted in the inner edge of the light frame, and with SWIT unique 90° light guide technology, PL-E90D can output bright, soft and equally spread light, meanwhile, the light body is slim enough and portable, which is an ideal light source for interview kit, field video productions, and broadcast studios.

### Laser Dots 90° Light Guide

High efficiency and super bright

The traditional edge mounted LED lights are always not so bright, because half of the light will go to the backside, even if there's reflection board, there's still a lot of light lost. SWIT innovative technology is to add laser dots with calculated spaces on the reflection glass, so that the multi angles of edge light will be converged on the laser dots, and output 90° to the front with minimum light lost. Then the slim edge mounted light can also be high brightness.

### 2200 Lux @ 1 meter

0-100% flick-free dimming

PL-E90D outputs 90W power, feeds 2200Lux luminance at 1 meter distance (center), much brighter than other similar size LED panels. The effective beam angle reaches 70°, bounded by 50% decline. PL-E90D also supports 0 to 100% PWM digital dimming, smoothly and non-flickering.

### Bi-color Temperature

2700K-6500K continuously adjustable

PL-E90D alternated with 2700K and 6500K LEDs, and the output color temperature can be continuously adjustable between 2700K and 6500K.

### High Color Reveal Ability

CRI Ra 98; TLCI 99

CRI (Color Rendering Index) is a measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with a natural light source. And TLCI (Television Lighting Consistency Index) is special for the color reveal ability by camera sensor. Max value 100. The normal LED light has 80-85 CRI or TLCI, while PL-E90D offers the super high CRI at 98 and TLCI at 99, and will not lost the object original colors.

### LCD Screen Display

Dimmer / color / DMX channel, battery info

The rear LCD screen can display the current dimmer percentage, color temperature value, DMX channel and CH channel, and remaining battery indications.

### Quick Adjust Mode

By pressing the adjusting knob

PL-E90D supports quick adjusting brightness and color temperature: Press the Dimmer knob, it will switch from 1% stepping to 10% stepping, to quick adjust brightness; Press Color temperature knob, it will switch from 50K stepping to the following commonly used color temperature selection: 2700K / 3200K / 4500K / 5600K / 6500K.

### DMX512 control

Dimmer and Color temperature

PL-E90D adopts standard 5-pin DMX in/out port, supports DMX512 protocol, and adjusts dimmer and color temperature by DMX controller. The dimmer and color temperature occupy 1 DMX address respectively. Press and hold dimmer knob for 2 seconds to enter DMX address setting, range from 001 to 512.

### Interaction Control Mode

Control the lights each other without a DMX conser

Press and hold color temperature adjusting knob for 2 seconds, the light will enter "CH" interaction control mode. In this mode, connect all the lights by DMX cables, and operate any of the light, all the other lights with same CH addresses can be controlled together. Press and hold dimmer knob for 2 seconds to enter CH address setting, range from 001 to 512.

### Interaction Control Mode Demonstration

Connected by DMX cables

For example, operate any of the CH 001 light, all the other CH 001 lights can be controlled together. Max 512 CH addresses can be set.

### 11-36V Wide Input Voltage

By V-mount/Gold mount battery or 4-pin XLR

PL-E90D supports 11-36V wide range voltage input, with 4-pin XLR DC socket, and equipped with V-mount or Gold mount plate to power by batteries. (The default battery plate is V-mount.)

### Barn Door / Honeycomb

Optional purchase, Easy to assemble

PL-E90D has all-metal housing, and provides the 4-leaf metal barn door and 40° metal honeycomb accessories, easy to assemble. Barn door (Model # LA-HE90) and Honeycomb (Model # LA-GE90) are optional purchased.

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# Portable Bi-color SMD Panel LED light PL-E90D

# SWIT®

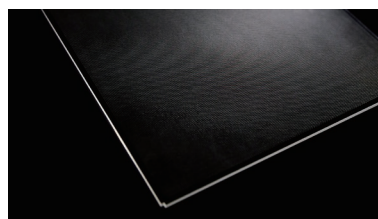


## Introduction

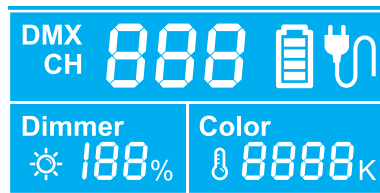
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## Functions

- ◆ 480pcs edge mounted SMD-LEDs
- ◆ Unique 90° light guide technology
- ◆ 90W power, 2200Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 70° effective wide beam angle
- ◆ 2700K-6500K continuously adjustable
- ◆ Super high CRI Ra 98, TLCI 99
- ◆ LCD display color, dimmer, Communication address and battery info
- ◆ DMX512 controlled color and dimmer
- ◆ DC 11-36V wide input voltage
- ◆ Power by V-mount / Gold mount battery
- ◆ Strong all-metal housing with U-stand
- ◆ Optional 4-leaf barn door and 40° honeycomb



SWIT innovation is to add laser dots with calculated spaces on the reflection glass, to converge the lights and output 90° to the front with minimum light lost.





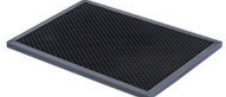
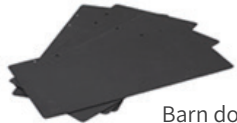


LCD screen displays dimmer, color temperature value, Communication address, and remaining battery status.

## Specifications

Model	PL-E90D
LED	480pcs SMD LEDs
Illuminance	2200Lux @ 1m
Beam angle	70°(50% bounded)
Color Temp	2700K~6500K
CRI	98
TLCI	99
Power	90W
Voltage	DC11V~36V
Dimension	650×403×48mm
Lighting area	526×257mm
Weight	4.8kg

## Accessories

Standard package includes	Optional accessories
 PL-E90D  AC-DC power adaptor  Carry case	 DMX cable  Honeycomb  Barn door

# SWIT®

LED Panel Light  
**PL-E90D**

90W, 2200Lux@1m  
CRI Ra: 98; TLCI: 99



SWIT Electronics Co., Ltd.  
**MADE IN CHINA**

COLOR 2700K-6500K | QUICK MODE



2s DMX / CH

DIMMER 0-100% | QUICK MODE



2s Address set



DC 11-36V IN



IN — DMX — OUT



ON/OFF



USB





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CE  
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MADE IN CHINA

COLOR 2700K-6500K  
DIMMER 0-100%  
DMX / CH  
DMX 0018  
Dimmer 40%  
Color 5200k  
Address set  
DC 11-36V IN  
IN DMX OUT  
ON/OFF  
USB

