

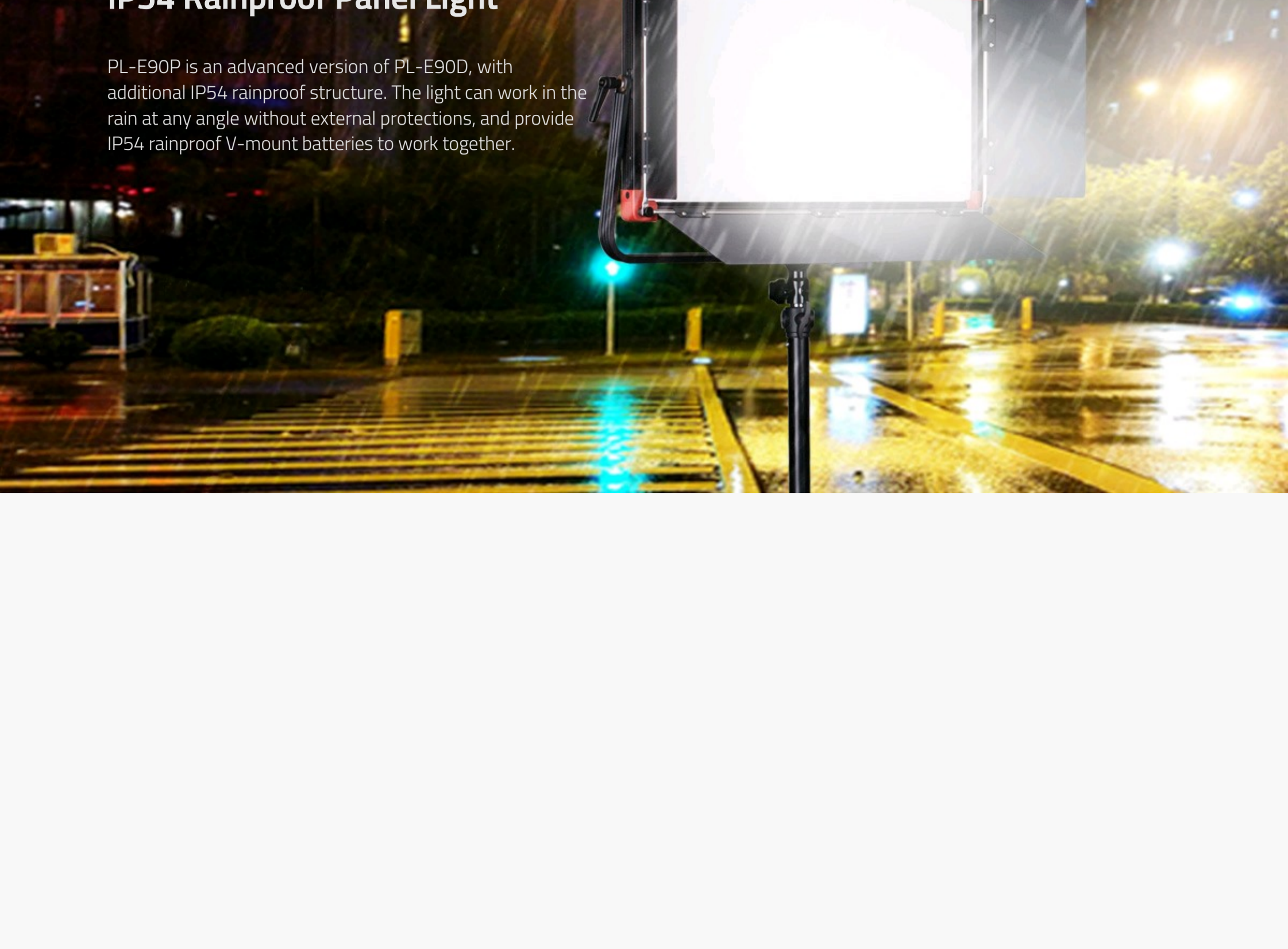
PL-E90P | 90W IP54 waterproof SMD Panel LED Light



- > 480pcs edge mounted SMD-LEDs
- > Unique 90° light guide technology
- > IP54 certified waterproof
- > 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



IP54 Rainproof Panel Light

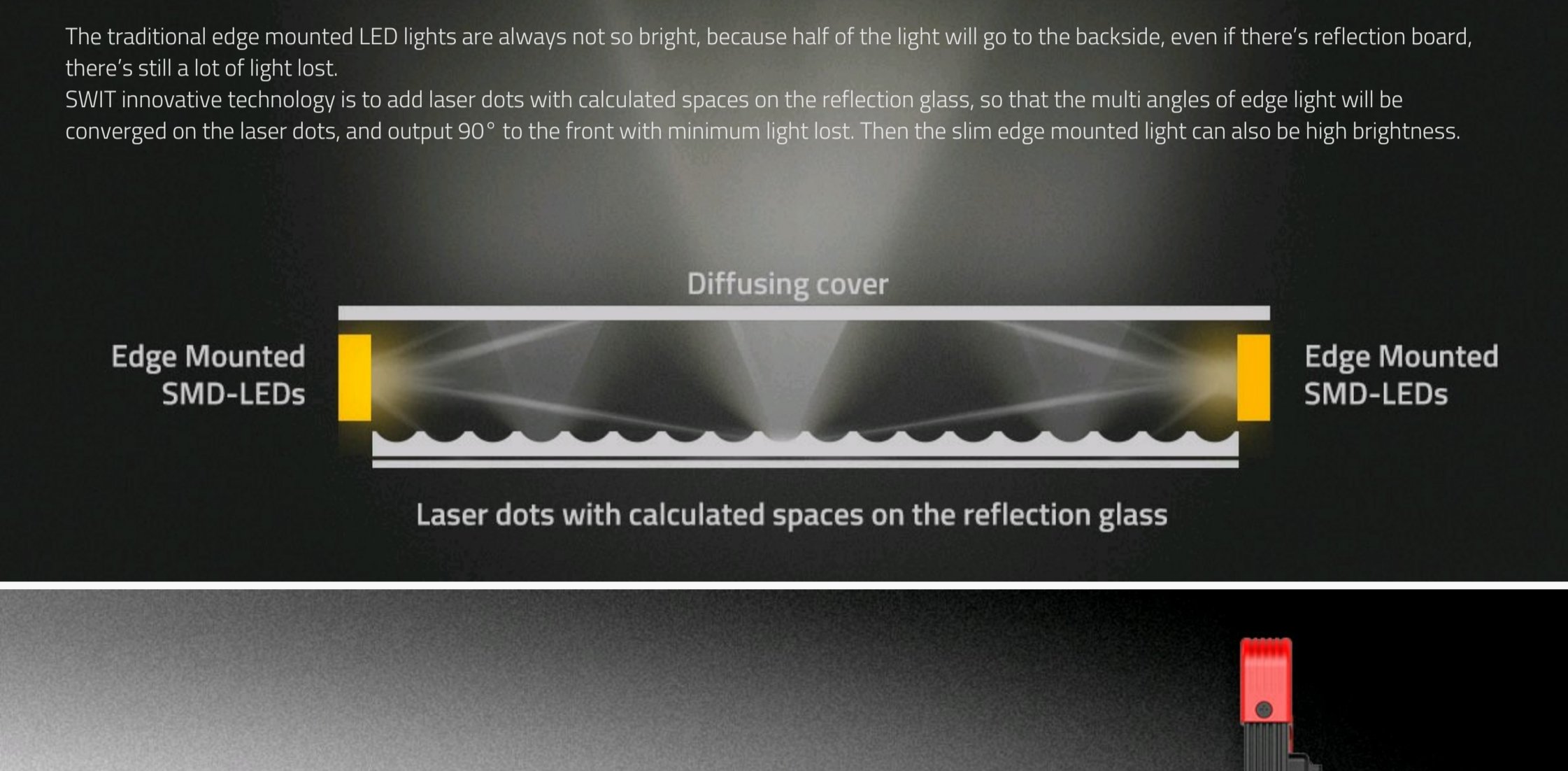
PL-E90P is an advanced version of PL-E90D, with additional IP54 rainproof structure. The light can work in the rain at any angle without external protections, and provide IP54 rainproof V-mount batteries to work together.



480pcs Edge Mounted LEDs

Super thin, area light, soft and glareless

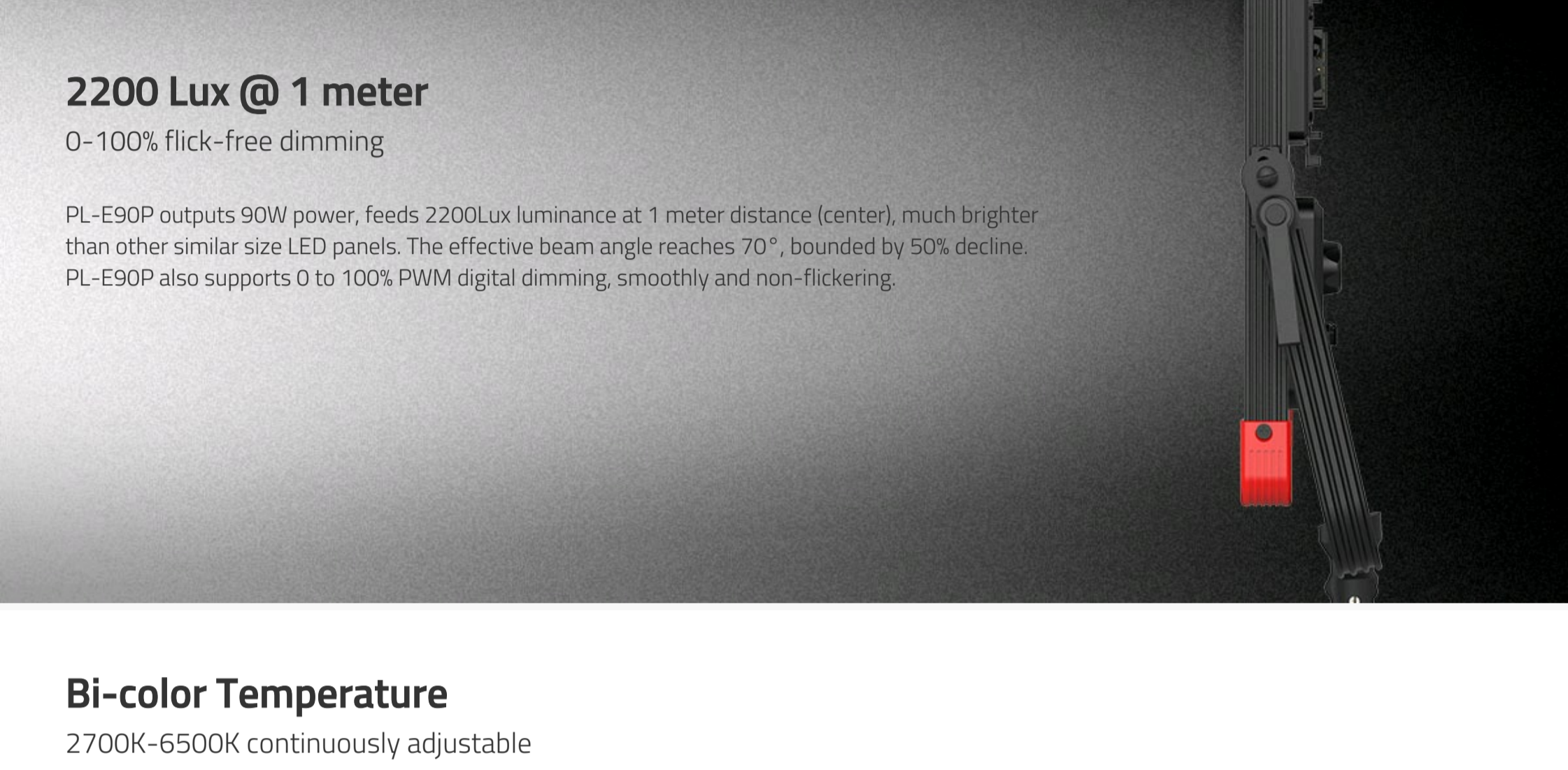
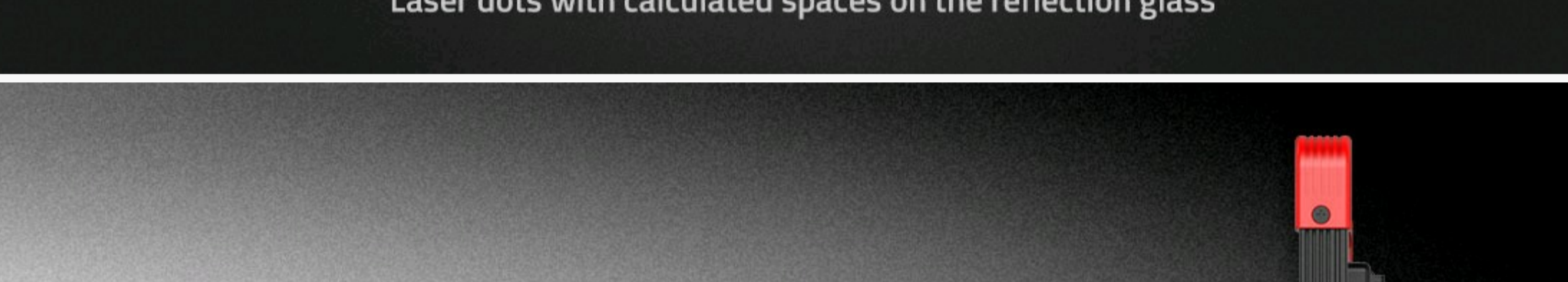
PL-E90P is specially designed for field portable lighting applications. 480pcs SMD-LEDs are mounted in the inner edge of the light frame, and with SWIT unique 90° light guide technology, PL-E90P can output bright, soft and equally spread light, meanwhile, the light body is slim enough and portable, which is an ideal light source for interview kit and field video productions.



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

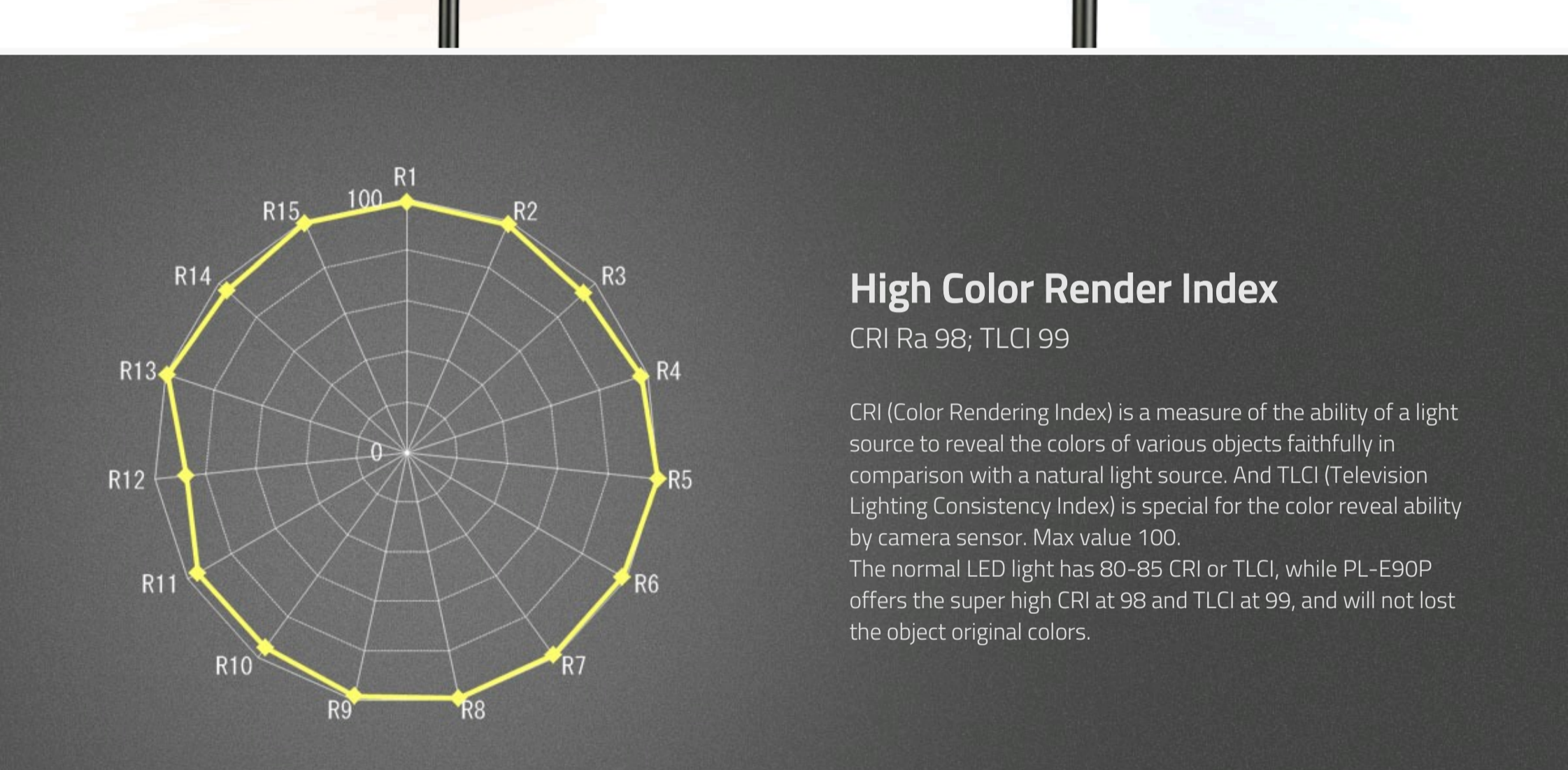
PL-E90P outputs 90W power, feeds 2200Lux luminance at 1 meter distance (center), much brighter than other similar size LED panels. The effective beam angle reaches 70°, bounded by 50° decline. PL-E90P also supports 0 to 100% PWM digital dimming, smoothly and non-flickering.



Bi-color Temperature

2700K-6500K continuously adjustable

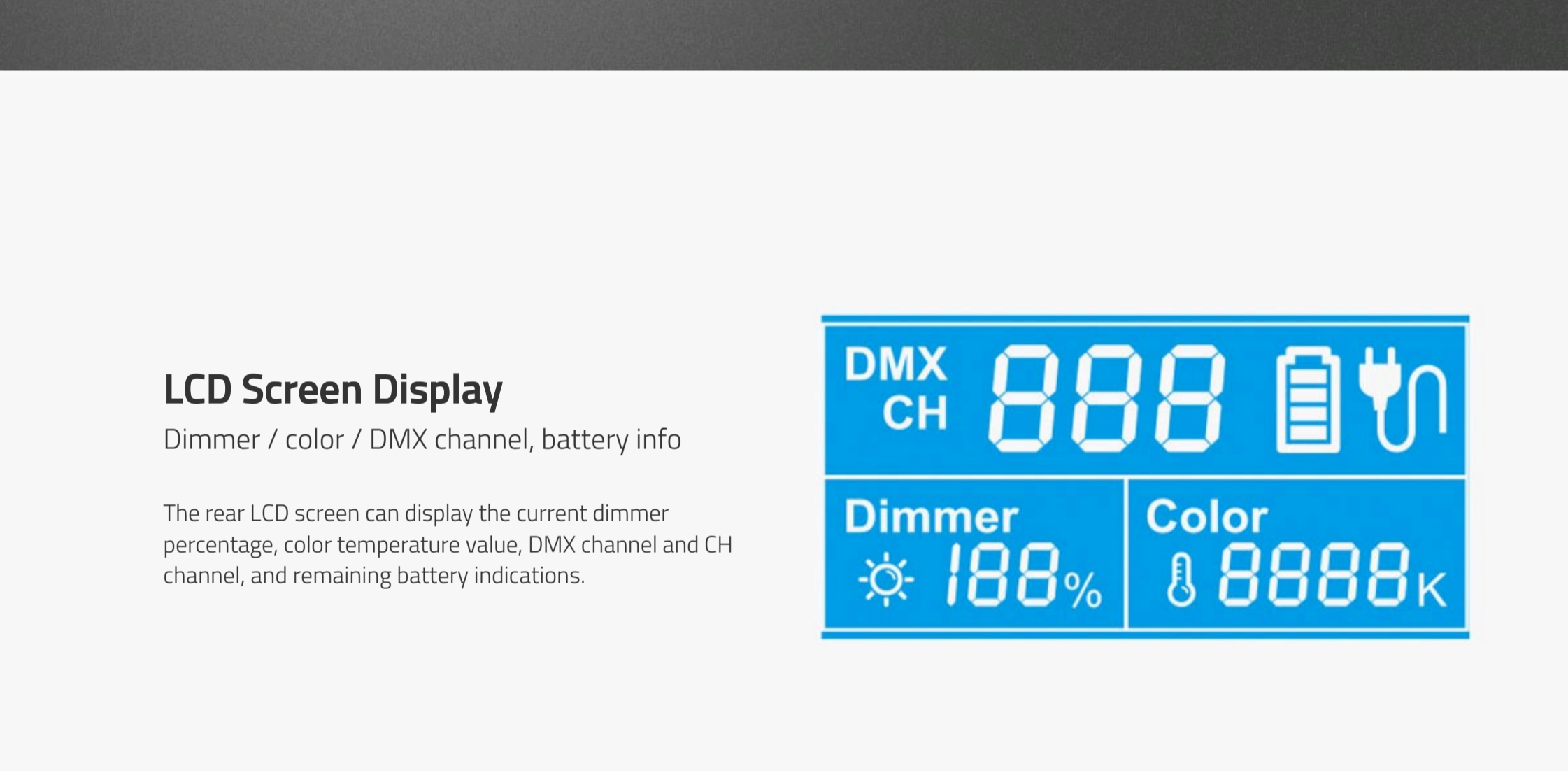
PL-E90P alternated with 2700K and 6500K LEDs, and the output color temperature can be continuously adjustable between 2700K and 6500K.



High Color Render Index

CRI Ra 98; TLCI 99

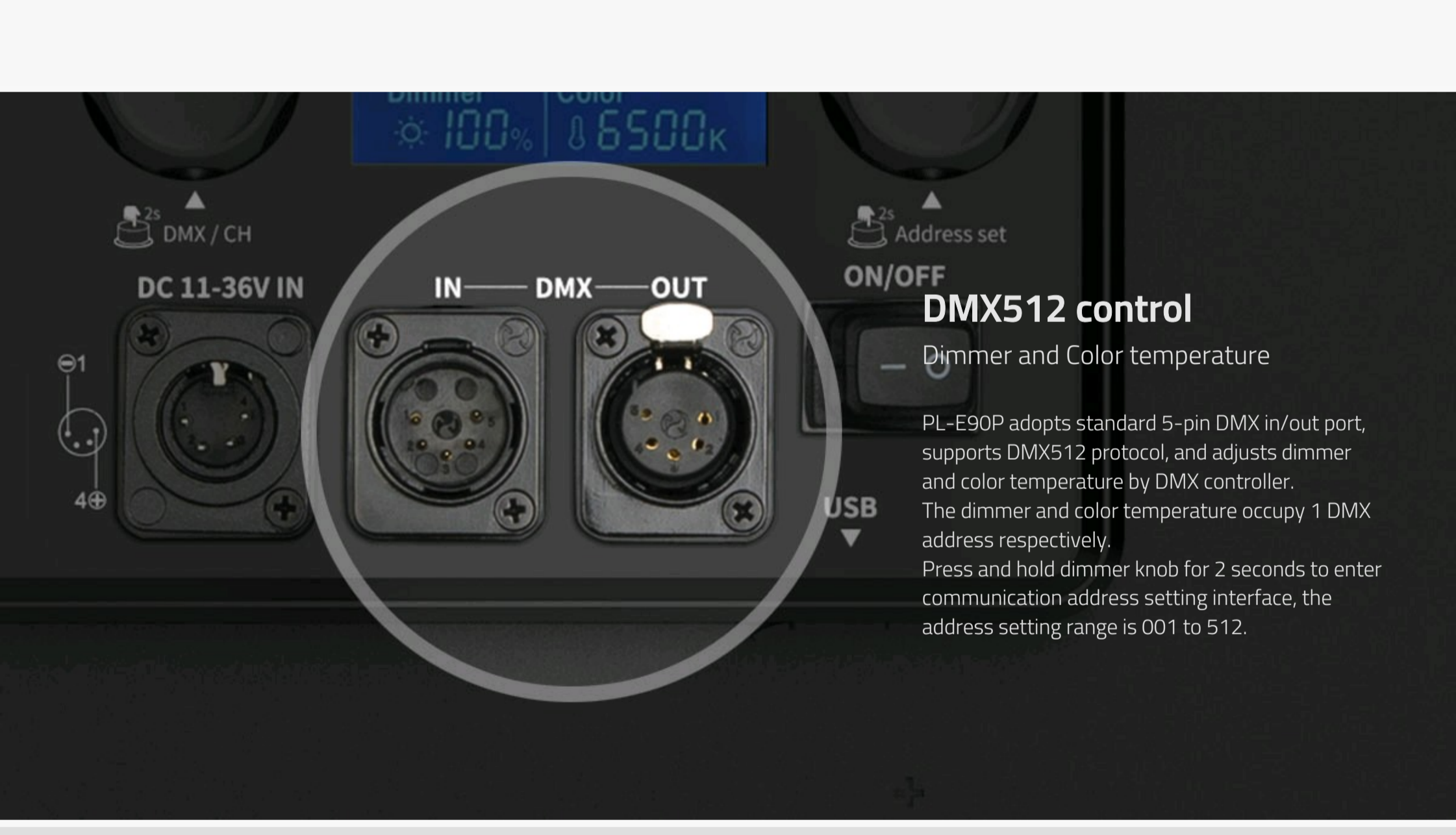
CRI (Color Rendering Index) is a measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with a natural light source. And TLCI (Television Lighting Consistency Index) is special for the color reveal ability by camera sensor. Max value 100. The normal LED light has 80-85 CRI or TLCI, while PL-E90P 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

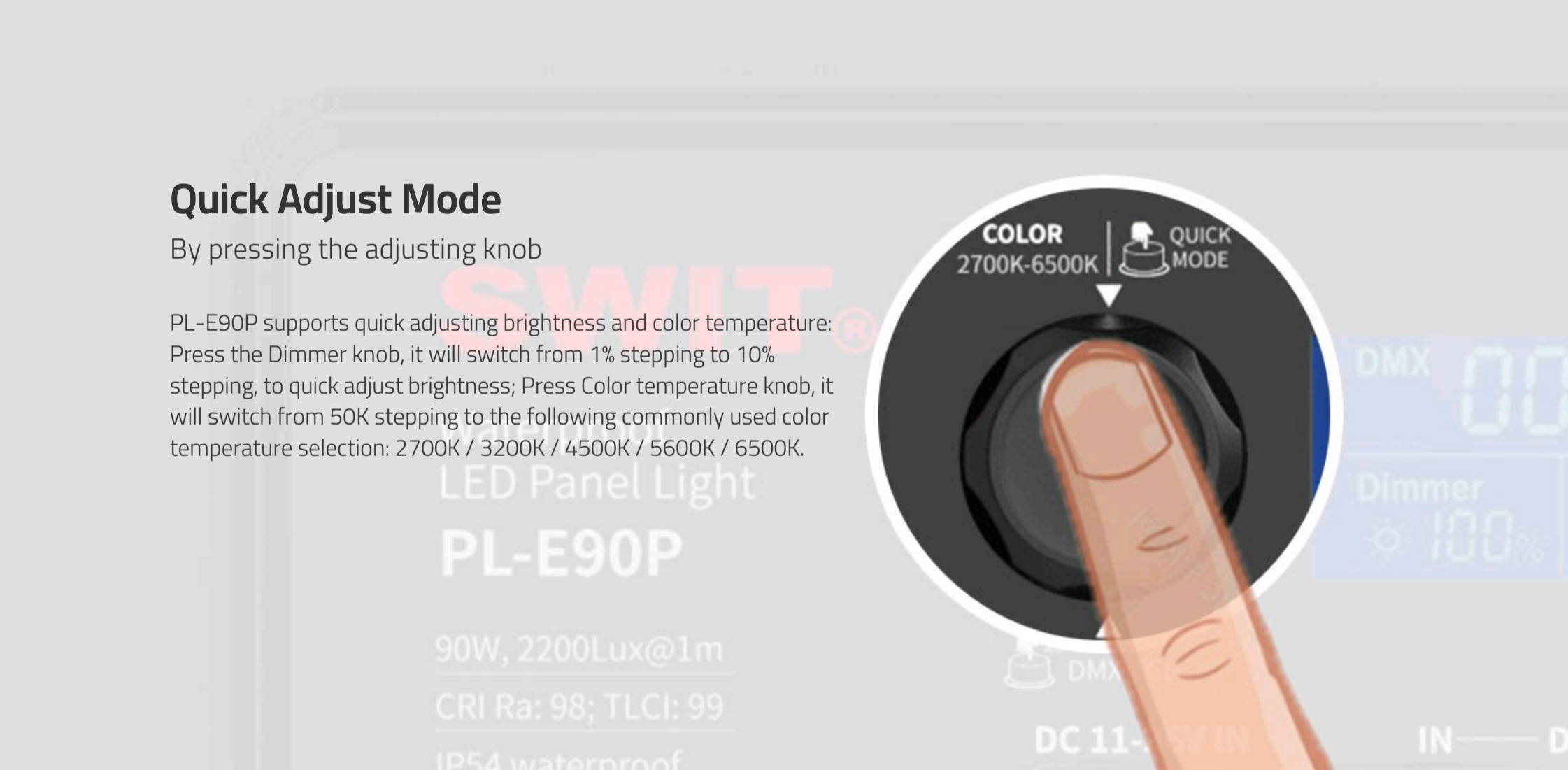
The rear LCD screen can display the current dimmer percentage, color temperature value, DMX channel and CH channel, and remaining battery indications.



DMX512 control

Dimmer and Color temperature

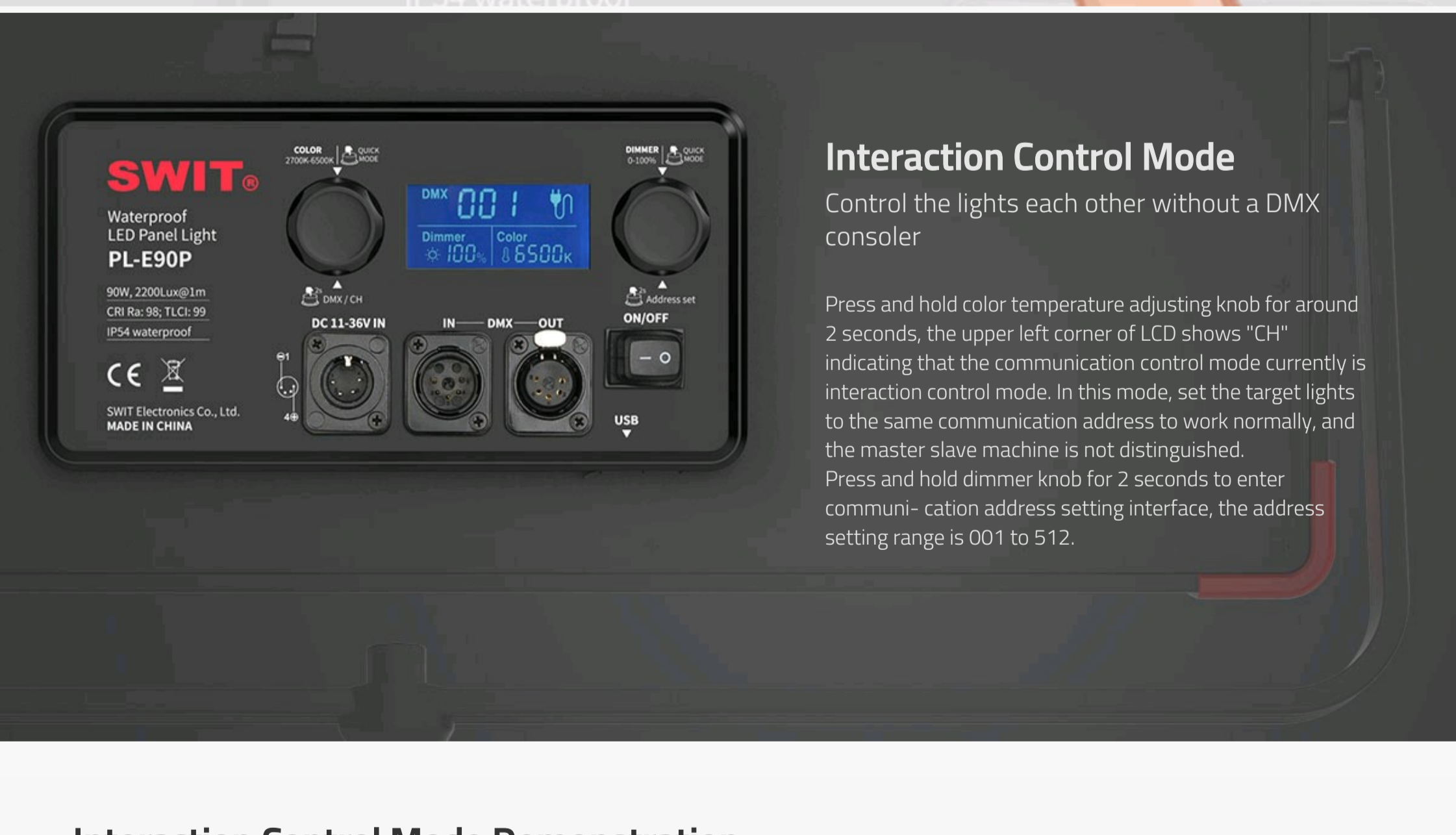
PL-E90P adopts standard 5-pin DMX in/out port, supports DMX512 protocol, and adjusts dimmer and color temperature by DMX controller. The dimmer and color temperature occupy 1 DMX address respectively. Press and hold dimmer knob for 2 seconds to enter communication address setting interface, the address setting range is 001 to 512.



Quick Adjust Mode

By pressing the adjusting knob

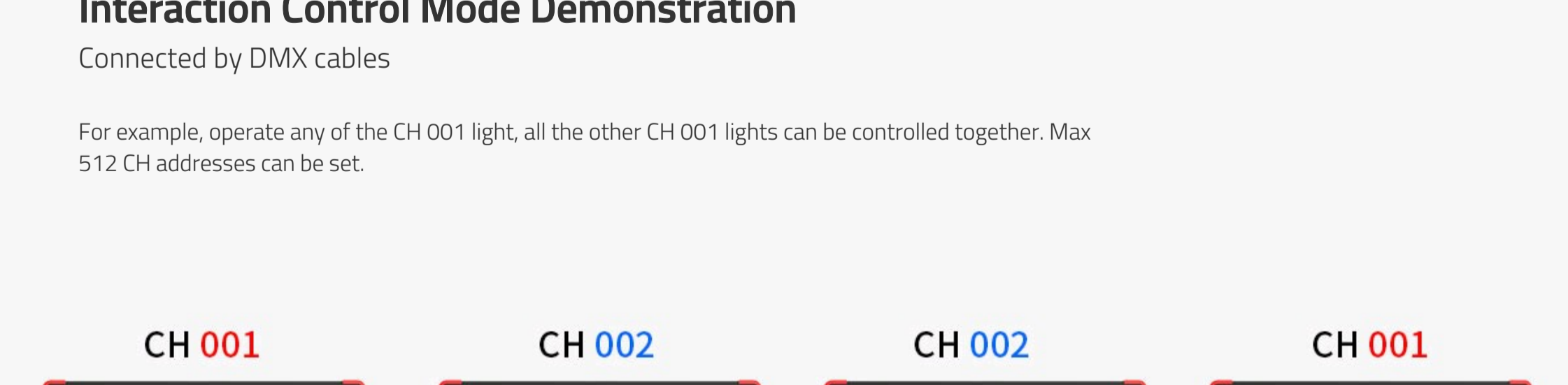
PL-E90P supports quick adjusting brightness and color temperature. Press the Dimmer knob, it will switch from 1% stepping to 10% stepping, to quick adjust brightness; Press Color temperature knob, it will switch from 50K stepping to the following commonly used color temperature selection: 2700K / 3200K / 4500K / 5600K / 6500K.



Interaction Control Mode

Control the lights each other without a DMX consoler

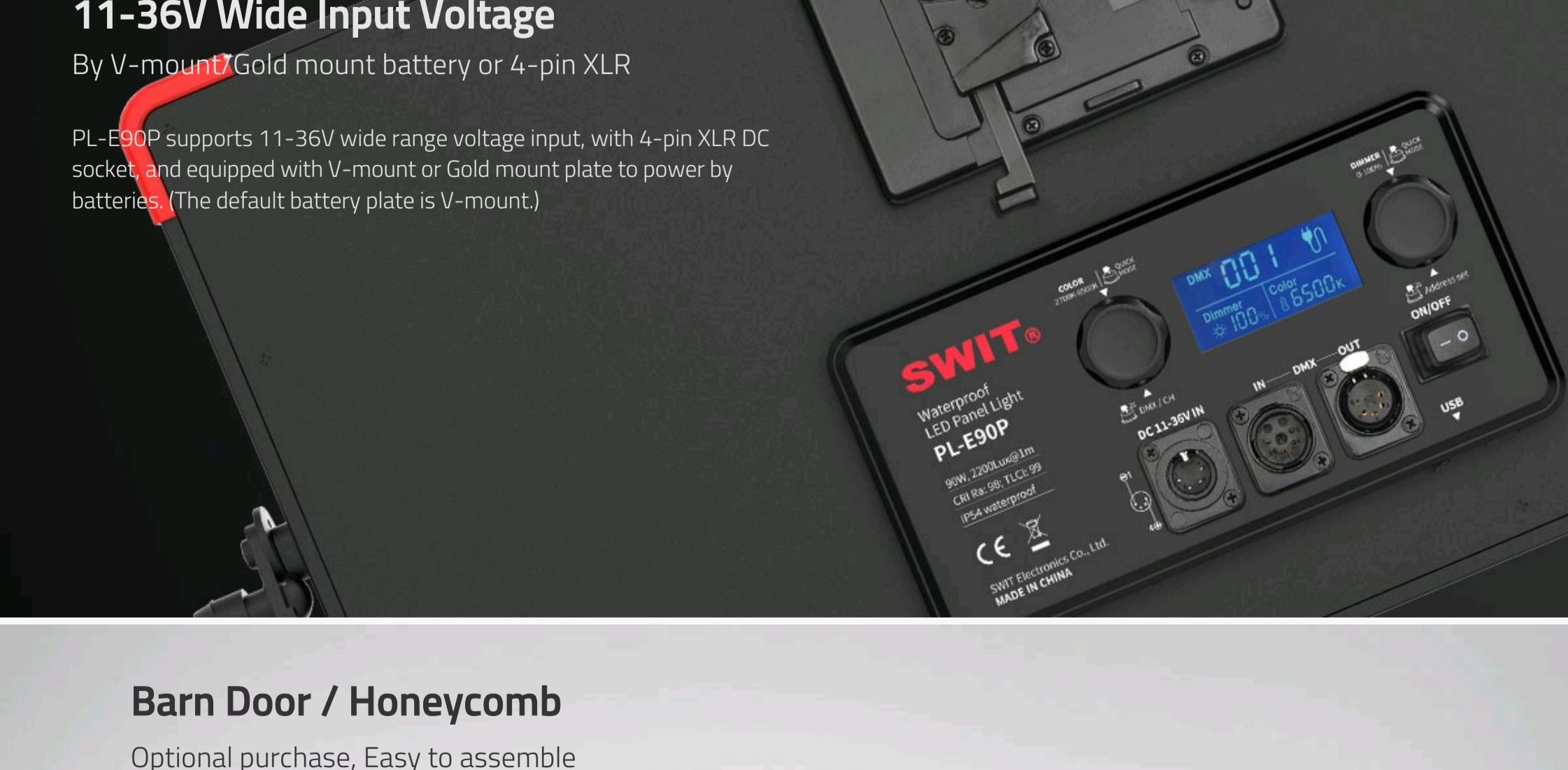
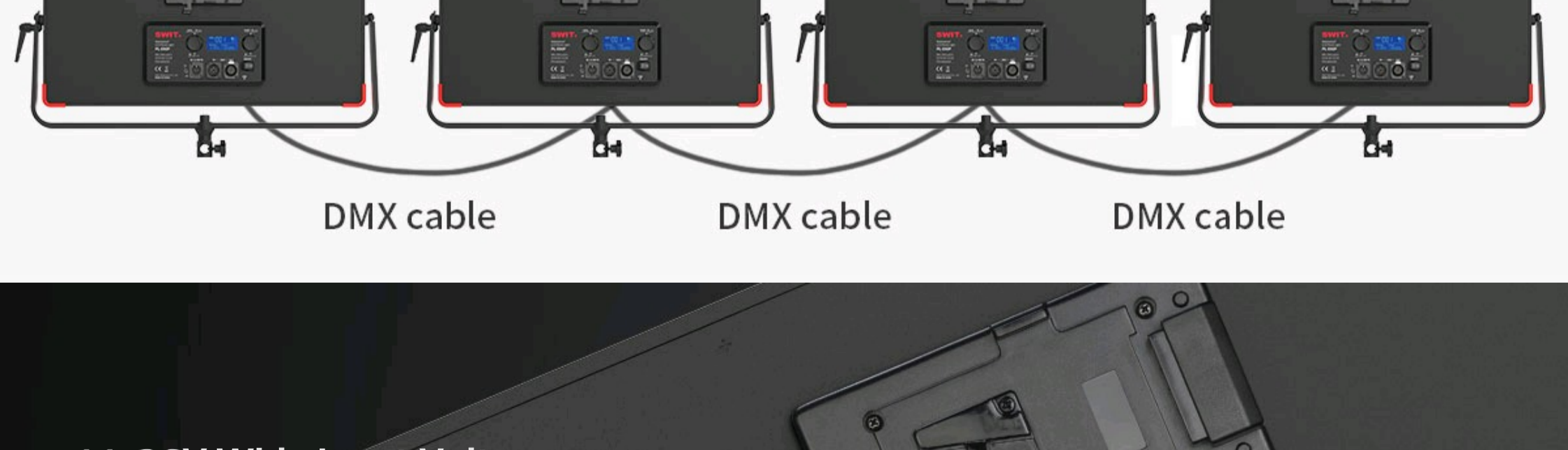
Press and hold color temperature adjusting knob for around 2 seconds, the upper left corner of LCD shows "CH" indicating that the communication control mode currently is interaction control mode. In this mode, set the target lights to the same communication address to work normally, and the master slave machine is not distinguished. Press and hold dimmer knob for 2 seconds to enter communication address setting interface, the address setting range is 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

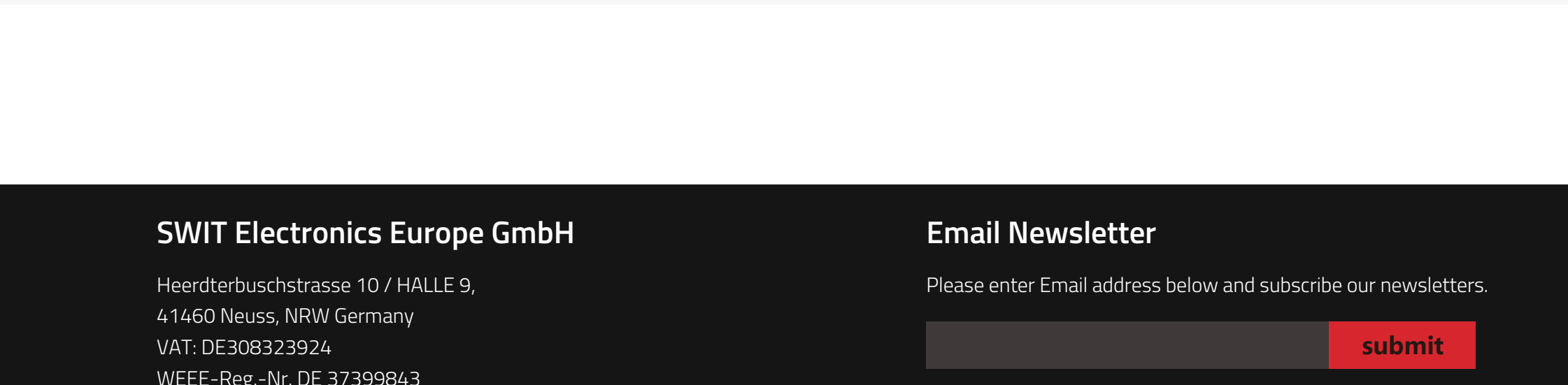
PL-E90P supports 11-36V wide range voltage input, with 4-pin XLR DC socket, and equipped with V-mount or Gold mount plate to power by batteries. (The default battery plate is V-mount.)



Barn Door / Honeycomb

Optional purchase, Easy to assemble

PL-E90P 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.



SWIT

Rainproof Panel LED

60W/90W Edge SMD, IP54 certificated



PL-E60P 60W 1:1

DMX

IP54



PL-E90P 90W 2:1

DMX

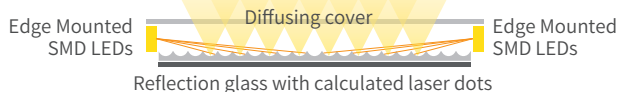
IP54



Edge SMD-LEDs

Mount SMD-LEDs on the side of the light, to make the light only 21mm thickness with diffuser.

The innovative bottom reflection glass has laser dots with calculated spaces, 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.



IP54 Weather Proof

Model	Test Item	Test Result	Report No.
PL-E60P	Degrees of protection	PASS	WT193600427
PL-E90P	provided by enclosure (IP54)	PASS	WT193600428

Recommended **IP54** batteries:



PB-R160S+

160Wh
200W/16A load
1.5m drop proof
IP54 proof



PB-R290S+

290Wh
250W/20A load
1.5m drop proof
IP54 proof



Accessories and Package



Optional barn door
LA-HE60: for PL-E60P
LA-HE90: for PL-E90P



Optional 40° Honeycomb
LA-GE60: for PL-E60P
LA-GE90: for PL-E90P



Provide 3-light Kit with
Trolley case, Including Light
Stands and Power adaptors

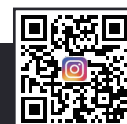


Specifications

Model	PL-E60P	PL-E90P
Input voltage	DC 11-36V	DC 11-36V
Power	60W	90W
Illuminance	1500Lux @ 1m	2200Lux @ 1m
Color Temp	2700K-6500K	2700K-6500K
Color rendering	CRI 98; TLCI 99	CRI 98; TLCI 99
IP class	IP54	IP54
DMX	DMX512 in&out	DMX512 in&out



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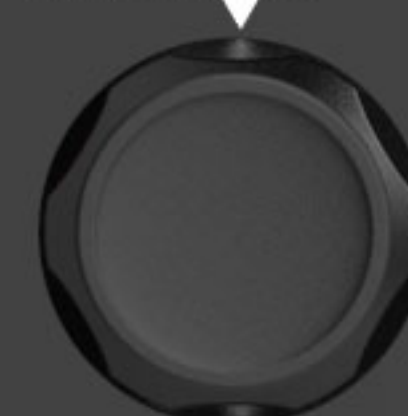
Waterproof
LED Panel Light
PL-E90P

90W, 2200Lux@1m
CRI Ra: 98; TLCI: 99
IP54 waterproof



SWIT Electronics Co., Ltd.
MADE IN CHINA

COLOR
2700K-6500K



DMX / CH



QUICK
MODE



IN



DIMMER
0-100%



DMX



QUICK
MODE



OUT



USB