Emergency Lighting

Battery-backed lighting panel that switches on automatically during power outages.

DLC QPL™ LISTED 4.1

cULus E476593

Battery Backup Light

DIMMABLE

NO FLICKER

CRI > 80
PF > 0.95

5 years Warranty

Saving 80%
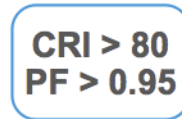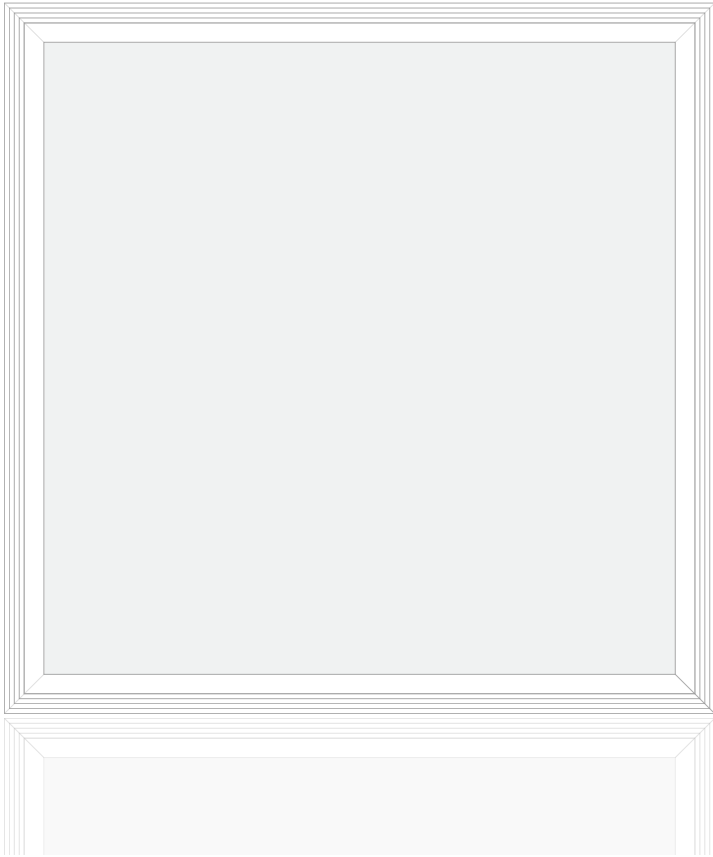
FEATURES

Features & Benefits:

- Longbright power supply
- Super bright LM80 LED 0.5W 2835SMD, Ra>80
- Lumen output : 110-120lm/w DLC4.0 Standard
  125-140lm/w DLC4.0 Premium
- Longbright brand isolated driver,PF>0.9, THD≤ 15 %
- AC100-277V, 0-10V dimmable
- Anti-Yellowing 3mm thick PMMA LGP
- Over 80% energy saving versus fluorescent lamps
- 5 - 7 days delivery
- UL cUL DLC certifications
- Main power output current can be regulated by a potentiometer.
- Main power OCP, SCP, OVP.
- Built-in lithium battery.
- Emergency power OVP, LVP, SCP, TVP.
- Automatic power detection with 120 minute battery backup.
- 5 Years warranty

Specifications

DLC 4.0 Standard

MODEL	Watt		Lumen	Emergency Time	Size	LED type	N.W
	Main	Emergency	Main / Emergency				
PLE-36W-66-28-TG-02	36W				2*2 ft	SMD 2835 192pcs	3.90 kg/pc
PLE-40W-66-28-TG-02	40W				2*2 ft	SMD 2835 192pcs	3.90 kg/pc
PLE-45W-66-28-TG-02	45W	10W or 17W	110lm/W	≥120 mins	2*2 ft	SMD 2835 192pcs	3.90 kg/pc
PLE-40W-123-28-TG-02	40W				1*4 ft	SMD 2835 192pcs	4.00 kg/pc
PLE-50W-126-28-TG-05	50W				2*4 ft	SMD 2835 336pcs	7.40 kg/pc
PLE-60W-126-28-TG-05	60W				2*4 ft	SMD 2835 336pcs	7.40 kg/pc

DLC 4.0 Premium

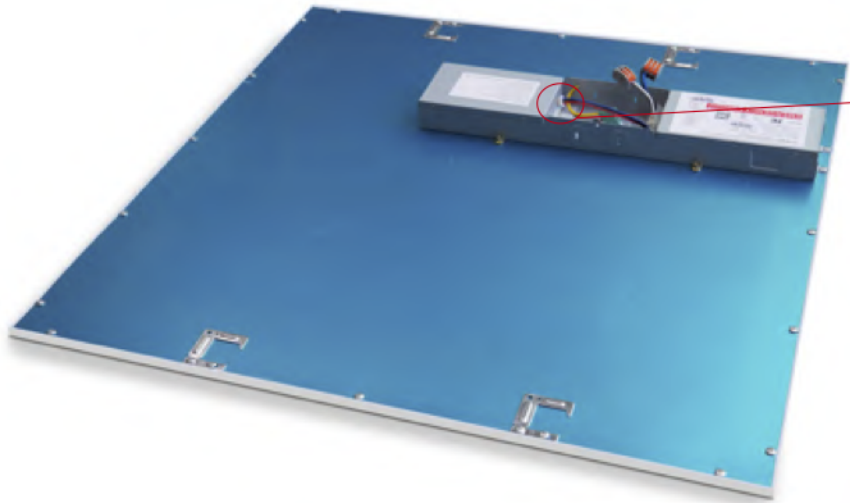| MODEL	Watt		Lumen	Emergency Time	Size	LED type	N.W
	Main	Emergency	Main / Emergency				
PLE-25W-66-28-TG-01	25W	10W			2*2 ft	SMD 2835 192pcs	3.90 kg/pc
PLE-35W-66-28-TG-01	35W	10W or 17W			2*2 ft	SMD 2835 192pcs	3.90 kg/pc
PLE-25W-123-28-TG-01	25W	10W	130lm/W	≥120 mins	1*4 ft	SMD 2835 192pcs	4.00 kg/pc
PLE-40W-126-28-TG-01	40W	10W or 17W			2*4 ft	SMD 2835 384pcs	7.40 kg/pc
PLE-50W-126-28-TG-01	50W				2*4 ft	SMD 2835 384pcs	7.40 kg/pc

SIGNAL INDICATOR

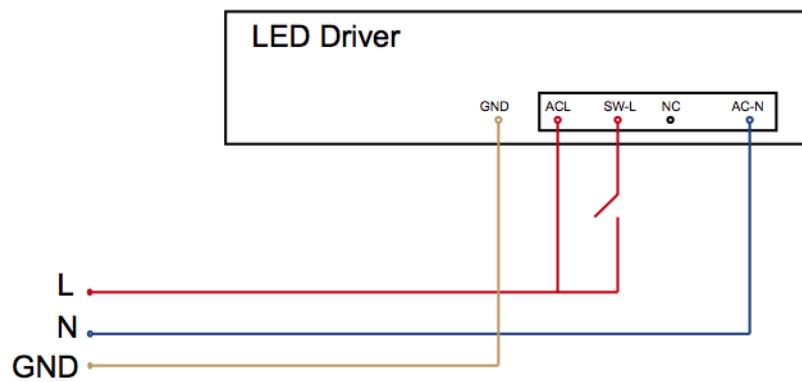|	
● Main Power	AC main power supply working: green LED is on
● Charging	★ Emergency working or charging: the red LED is on ★ When electric quantity is lower than 15% or battery voltage is lower than 22V, the red LED will flicker every 250ms.
● Malfunction	①When battery pack abnormal, the yellow LED will flicker every 250 ms, until the problem is eliminated. ②When charger abnormal, the yellow LED will flicker every 1 s, until the problem is eliminated. ③When emergency circuit is abnormal, the yellow LED will flicker every 2 s., until the problem is eliminated.
● TEST	Test button, to switch the power supply between mains supply and battery, the default is the mains supply, press the button one time is the battery power, and then press the button again to turn back to the mains supply

When AC main power supply and the battery charging work at the same time : the green and red LEDs are normally on; when the battery pack is full of electricity, the red LED is off.
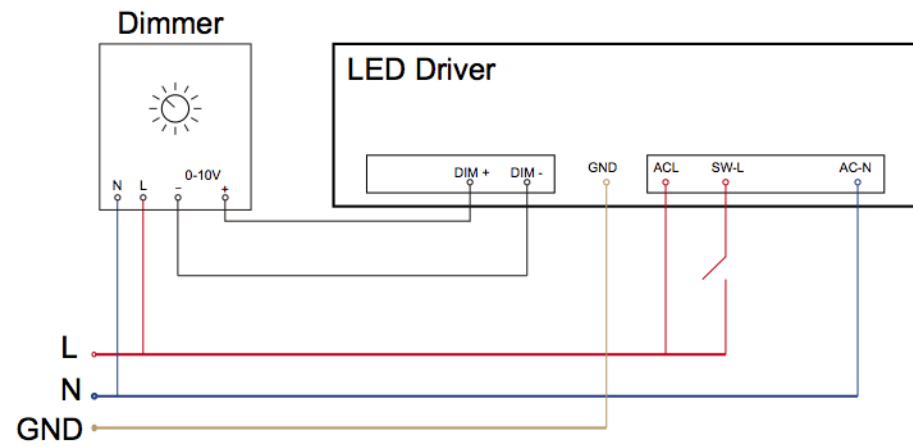
WIRE CONNECTION


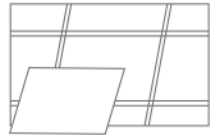⚠️ **Connect the battery plug before wiring.**

Wire connection

	GND	ACL	SW-L	NC	AC-N

LED Driver

L
N
GND

Dimmer Wire connection

Dimmer

LED Driver

N	L	0-10V	DIM +	DIM -	GND	ACL	SW-L	AC-N

L
N
GND

PACKAGE

Item	N.W.	Carton Size(mm)	Qty	G.W.	Quantity loaded by 20 GP container	Quantity loaded by 40 GP container	Quantity loaded by 40 HQ container
2 x 2 FT	3.90 kg/pc	650x645x170	4pcs/CTN	19.6 kg/CTN	1620	3200	3700
2 x4 FT	7.40 kg/pct	1255x645x85	2pcs/CTN	18.8 kg/CTN	840	1630	1900
1 x4 FT	4.00 kg/pc	1250x345x170	4pcs/CTN	20 kg/CTN	1428	3000	3300
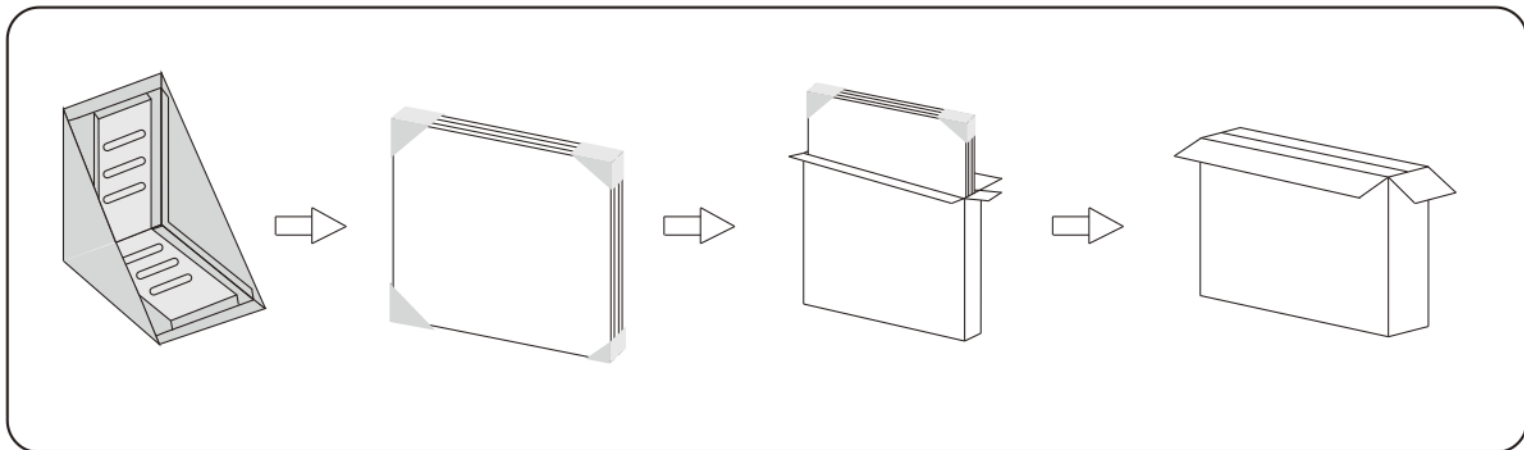
INSTALLATION
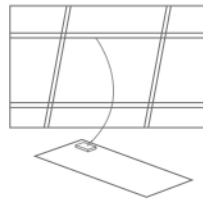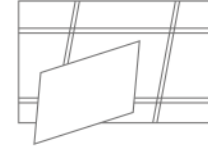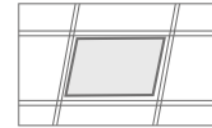
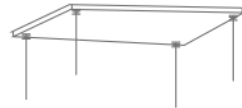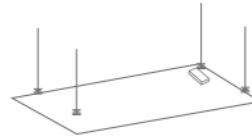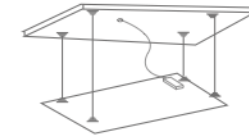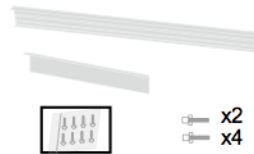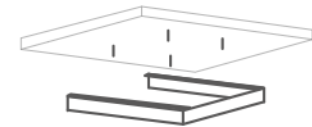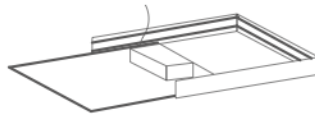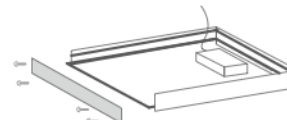|				
Recessed into ceiling	1.Remove ceiling plaster slab	2. Connect power supply	3. Fix the panel light into right place	4.Stabilize the panel
Suspending	1. A.Fix the anchor into target place on the ceiling. B.Fix the installation mount on the ceiling with plastic anchor.	2.Hang the panel to ceiling with Suspend installation kits	3. Adjust the length of steel wire.Connect the power supply	
surface mounted	1.Unpack box and take out aluminum profile A-2pcs, aluminum profile B-2pcs,as well as accessory pack — x2 x4	2.Assembling 3 pieces aluminum profile together with screw.	3.Fix semi-finished frame onto ceiling with screw(Concrete ceiling requires plastic anchor)	
	4.slide panel into frame properly	8.Fix the last piece of aluminum profile with screw after panel is well placed.		