

# INSTALLATION INSTRUCTIONS

## LED FLAT PANEL

### 5 YEAR LIMITED PRODUCT WARRANTY

Visit [www.els-led.com](http://www.els-led.com) for warranty for details  
For support contact [support@els-led.com](mailto:support@els-led.com)

### MODELS

Model	Size (ft)	Wattage SELECT	CCT SELECT
PNL14 - 40CLS - D	1x4	20/30/40W	3500/4000/5000K
PNL22 - 40CLS - D	2X2	20/30/40W	3500/4000/5000K
PNL24 - 50CLS - D	2X4	30/40/50W	3500/4000/5000K
PNL14 - 40CLS - DEM	1x4	20/30/40W	3500/4000/5000K
PNL22 - 40CLS - DEM	2x2	20/30/40W	3500/4000/5000K
PNL24 - 50CLS - DEM	2x4	30/40/50W	3500/4000/5000K

### WARNING: RISK OF ELECTRICAL SHOCK

- Turn off the electrical power at fuse or circuit breaker box before wiring fixture to power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- MIN 90°C SUPPLY CONDUCTORS.
- All wiring connections should be capped with UL approved wire connectors.

### CAUTION: RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Allow lamp/fixture to cool prior to handling light source.
- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.
- Ensure fixtures are properly secured to and installed using all appropriate hardware intended to support the weight of the luminaire.

### CAUTION: RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens.

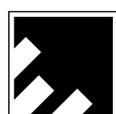


### READ AND FOLLOW ALL SAFETY INSTRUCTIONS!

### SAVE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

#### General Safety & Product Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- DO NOT INSTALL DAMAGED PRODUCT
- Use fixture only in intended application
- Allow for proper ventilation and air movement around luminaire. Do not exceed maximum ambient operating temperature
- Recycling information on LED Products please visit [WWW.EPA.GOV](http://WWW.EPA.GOV)
- These instructions may not cover all variations in equipment, application, operation and maintenance. Should further information be required please contact [support@els-led.com](mailto:support@els-led.com)
- Fixture components are not serviceable. In the event of product failure please refer to product warranty guidelines at [www.els-led.com](http://www.els-led.com)



**ELEVATE**  
LIGHTING SOLUTIONS

1000 Commerce Center Dr, Elkton MD 21921

[els-led.com](http://els-led.com)



(718).338.1851 Fax: (718).228.1851

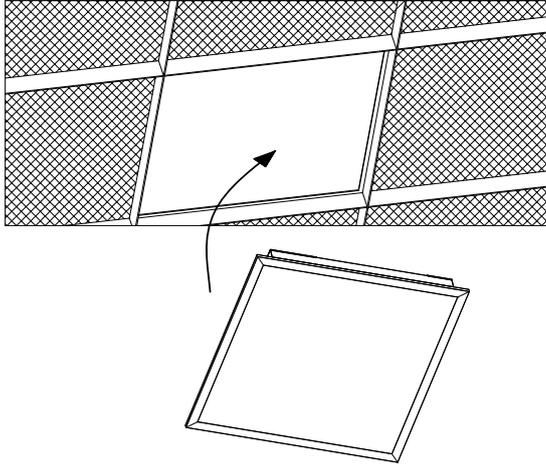
[orders@els-led.com](mailto:orders@els-led.com)



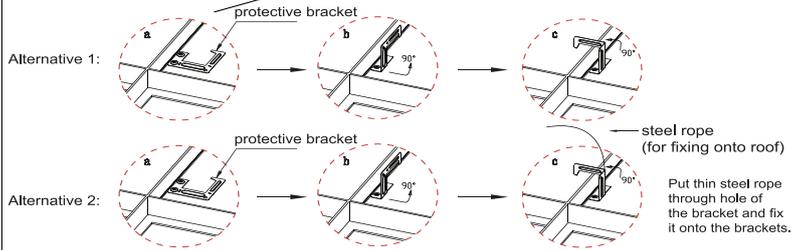
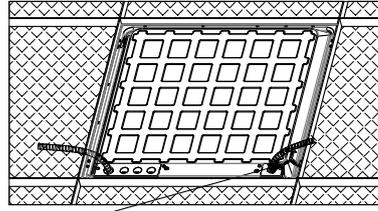
[Support@ELS-LED.com](mailto:Support@ELS-LED.com)

## Recessed Installation

1. Replace existing lighting fixture from ceiling with LED Panel.

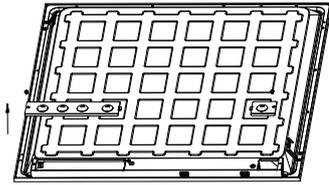


2. Use the protective brackets for the sake of safety.

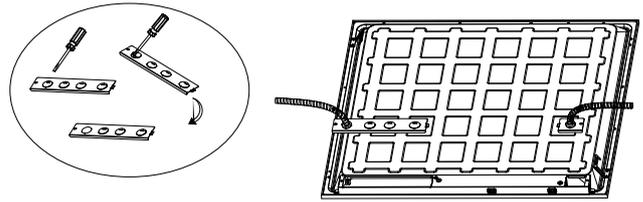


## Wire Connection

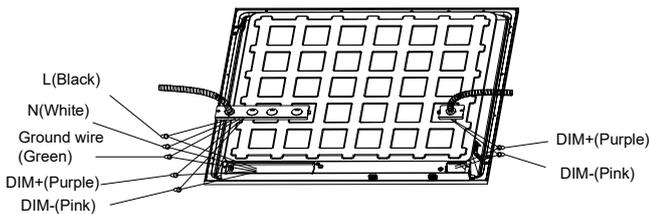
1. Unscrew the driver cover.



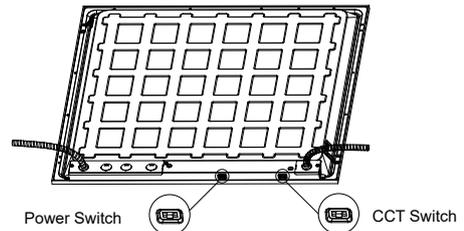
2. Connect the conduit to the driver box.



3. Connect other wires separately.

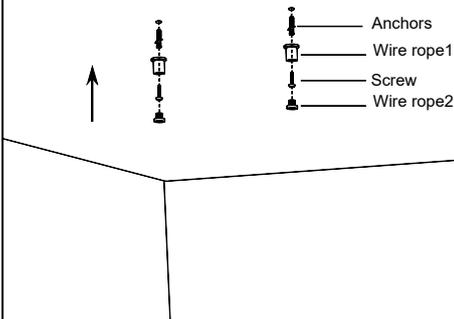


4. Put back the driver cover and fix it by screw. Select adjustable power and color temperature.

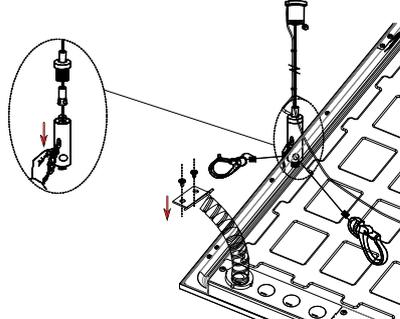


## Suspension kit Installation

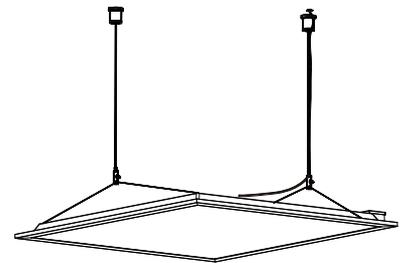
1. Drill two holes in the ceiling, and put the anchors into hole, then insert the wire rope and screw.



2. Adjusting the hanging rope making the panel in a horizontal state.



3. The installation is finished.



Note: 2\*2/1\*4/2\*4ft: 2 pcs suspension kits needed for installation. PNL-CABLEKIT sold separately.

The Installation must be carried out by a qualified electrician.

**DIMMER COMPATIBILITY:** This product is compatible with 0-10V dimmers. **Do not use with standard line voltage dimmers.** Recommended Dimmers include but are not limited to below:

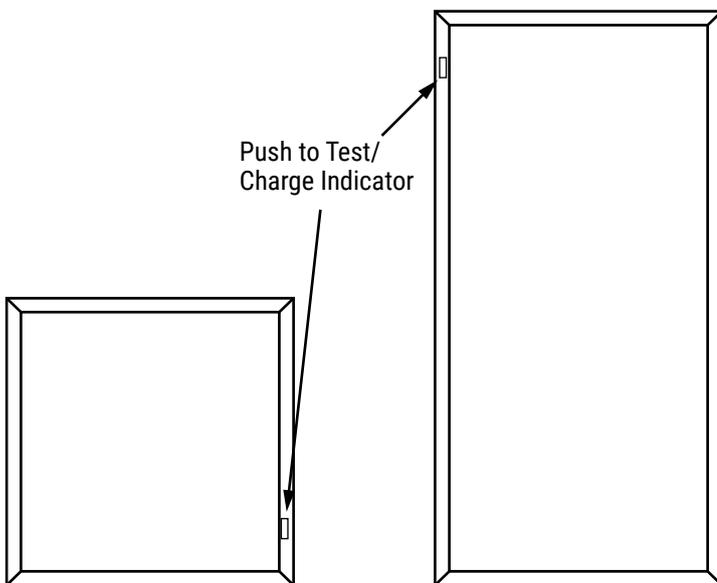
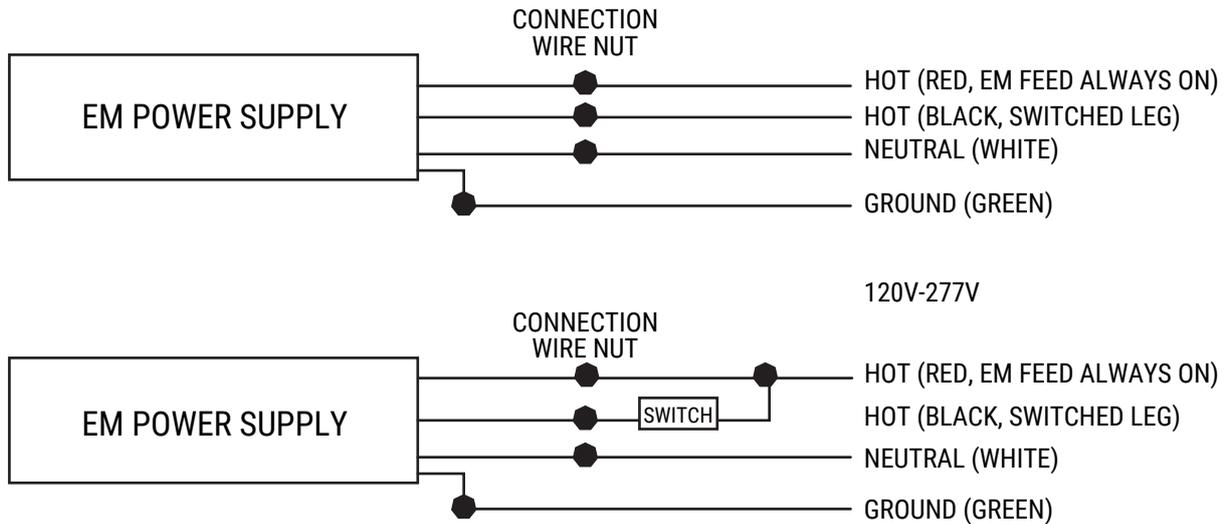
- LUTRON:** DVSTV, DDTV
- LEVITON:** IP710, DS710
- LEGRAND:** RH4FBL3P
- COOPER:** SF10P

## Emergency Function

Emergency Function	Lumminous Flux	Charging Time	Emergency Time
8W	1000 LUMENS	>24 hours	>90 minutes

## Wiring Diagram

1. EM Fixture requires Constant Hot for Battery power and sensing power condition.
2. AC Switched hot leg required for applications requiring on/off switching operation.



**Charge Indicator:** The indicator light shows the status of the Emergency Driver.

**Steady Red:** Fully Charged.

**Indicator Off:** Fixture in Emergency Mode.

### Push to Test:

**1. Momentary Test:** To test the Emergency Driver, press and release the test button. Once pressed the fixture will switch to emergency mode. Once the button is released the fixture will return to normal operation.

**2. Discharge Test:** Disconnect the main power supply from the Emergency Battery to verify the 90-minute discharge.

**3. Note:** to ensure the Emergency Driver is functioning its advised to test fixture every 3-6 months