

LED PANEL LIGHT SERIES PRODUCT SERIES DATA SHEET



LED Panel Light Series (EL-PL1)



E-lover LED Panel use durable long lifespan LED as light source, smooth light without glare, simple looking design. With high color rendering index name brand Epistar chips with with 50000hrs lifespan. High power factor driver, also make sure the stability of the lamp.

Basic Specification

| | |
|-------------|---|
| Watt | 12W,24W,40W.48W,60W |
| Input | AC100-240V |
| Driver | CE&ROHS |
| IP | 20 |
| Chips | Epistar LEDs |
| CRI | 80 |
| Application | Office, School Room,Shopping Mall,Restaurant,Bank |
| Material | Aluminum alloy, PC cover |



Bank



Restaurant



Shopping



Office



Airpo



PRODUCT FEATURES

- State of the art design. Adopt the modern aesthetic streamline design, compact in structure and nice in appearance.
- High color rendering index Epistar SMD LED chips source light with high-quality.
- Unique thermal management: Aluminum back casing dissipate the inside heat efficiently
- Power factor ≥ 0.90 . Adopt high-quality-high-efficiency constant current isolated driver, to ensure the product's stability, also to reduce the power consumption greatly.
- With isolated driver, more safe and stable.
- Low temperatures. Long lifespan more than 50000hours.
- No mercury and lead. No UV. No infrared. No radiation. Without causing any flickering, helpful to protect the eyes.
- CE (TUV) for EMC and LVD approved and RoHS compliant.

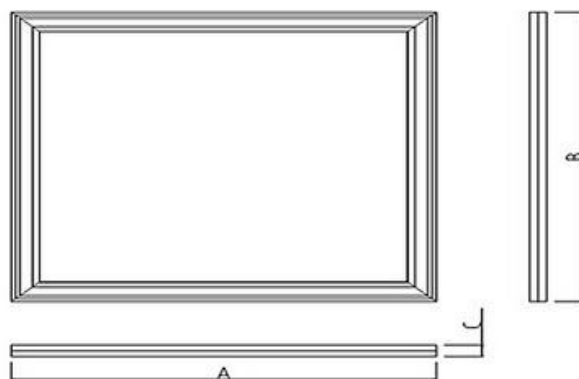


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PRODUCT DIAGRAM

PRODUCT DIMENSIONS



| Part number | L [mm] | W [mm] | H [mm] |
|-------------|-----------|-----------|-----------|
| EL-PL1-12W | 300 | 300 | 9 |
| EL-PL1-24W | 300 | 600 | 9 |
| EL-PL1-40W | 600 | 600 | 9 |
| EL-PL1-48W | 300 | 1200 | 9 |
| EL-PL1-60W | 600 | 1200 | 9 |

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TECHNICAL DATA

Electrical characteristics:

| Part number | Operating Voltage [V] | Frequency [Hz] | Power [W] | Traditional equivalent [W] | Power Factor [%] | Dimmable [Y/N] |
|-------------|-----------------------|----------------|-----------|----------------------------|------------------|----------------|
| EL-PL1-12W | AC100-240V | 50 / 60 | 12 | 24 | ≥0.90 | N |
| EL-PL1-24W | AC100-240V | 50 / 60 | 24 | 48 | ≥0.90 | N |
| EL-PL1-40W | AC100-240V | 50 / 60 | 40 | 80 | ≥0.90 | N |
| EL-PL1-48W | AC100-240V | 50 / 60 | 48 | 96 | ≥0.90 | N |
| EL-PL1-60W | AC100-240V | 50 / 60 | 60 | 120 | ≥0.90 | N |

Note 1: Absolute ratings @ 25°C.

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TECHNICAL DATA

Optical Characteristics:

| Part number | color | Color Temperature [°K] | Luminescence [lm] | Lumen Efficiency [lm/w] | IP Rating | Beam angle [°] |
|---------------|--------------|------------------------|-------------------|-------------------------|-----------|------------------|
| EL-PL1-12W-CW | Cool white | 6000 | 1080 | 90 | IP20 | 120 |
| EL-PL1-12W-NW | Nature white | 4000 | 1020 | 85 | IP20 | 120 |
| EL-PL1-12W-WW | Warm white | 3000 | 960 | 80 | IP20 | 120 |
| EL-PL1-24W-CW | Cool white | 6000 | 2160 | 90 | IP20 | 120 |
| EL-PL1-24W-NW | Nature white | 4000 | 2040 | 85 | IP20 | 120 |
| EL-PL1-24W-WW | Warm white | 3000 | 1920 | 80 | IP20 | 120 |
| EL-PL1-40W-CW | Cool white | 6000 | 3600 | 90 | IP20 | 120 |
| EL-PL1-40W-NW | Nature white | 4000 | 3400 | 85 | IP20 | 120 |
| EL-PL1-40W-WW | Warm white | 3000 | 3200 | 80 | IP20 | 120 |
| EL-PL1-48W-CW | Cool white | 6000 | 4320 | 90 | IP20 | 120 |
| EL-PL1-48W-NW | Nature white | 4000 | 4080 | 85 | IP20 | 120 |
| EL-PL1-48W-WW | Warm white | 3000 | 3840 | 80 | IP20 | 120 |
| EL-PL1-60W-CW | Cool white | 6000 | 5400 | 90 | IP20 | 120 |
| EL-PL1-60W-CW | Nature white | 4000 | 5100 | 85 | IP20 | 120 |
| EL-PL1-60W-CW | Warm white | 3000 | 4800 | 80 | IP20 | 120 |

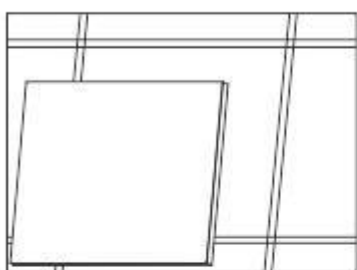
Note1: Absolute ratings @ 25°C.

Note2: Tolerance of measurement of luminous intensity±15%.

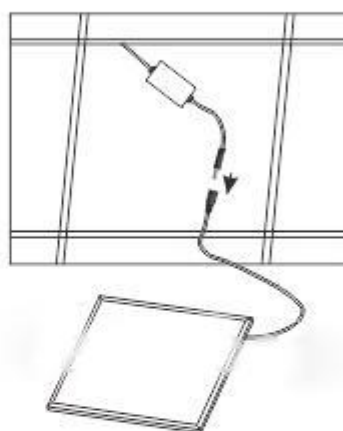
PRODUCT INSTALLATION

● Embedded Installation

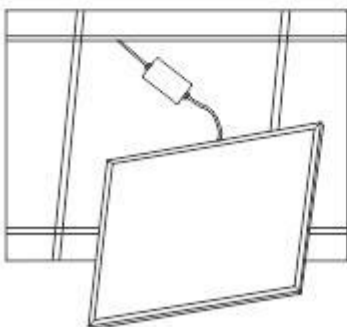
1. Move away ceiling plaster slab



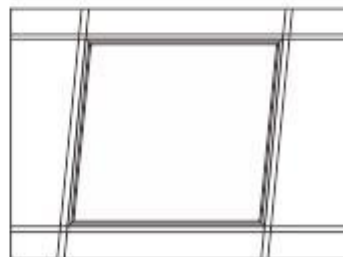
2. Arrange the wire



3. Fix the panel light to suitable place



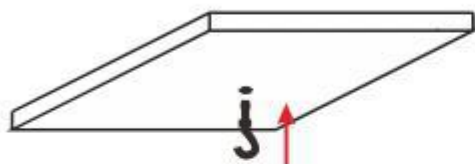
4. Put the panel light steadily and then it can be used



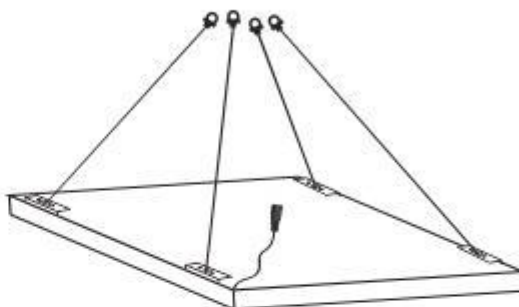
PRODUCT INSTALLATION

● Hanging Installation

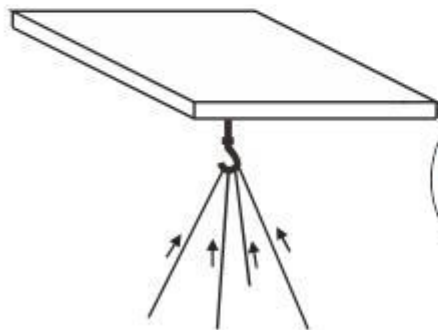
1. Fix the hook and screws to ceiling



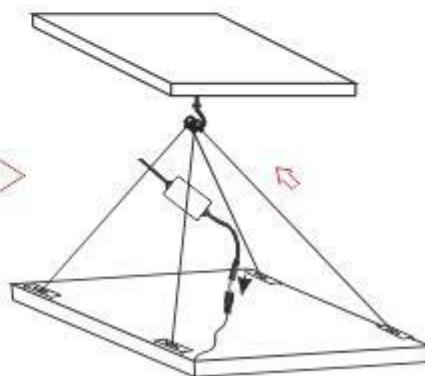
2. Connect the steel wire rope to the panel light



3. Hanging the retaining rings on the hook



4. Connect the power cord and then it can be used





SAFETY

1. Always consult a qualified, licensed electrician prior to the installation of this product.
2. Always ensure that all components are joined properly before they are installed.
3. It is recommended that adequate airflow and heatsink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. If any doubt about the installation or use of this product, consult a competent electrician.
5. Exceeding the operating temperature values may damage LED chips by reducing the total lamp life and lumen output, and inversely impact color consistency.
6. Switch off power of the mains supply or respectively of the connection lead before doing any works.
7. Avoid voltage drops by using a dedicated line for each maximum power consumption line .
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply.
9. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.

Packing

| Product Name | Outer Carton Size(L×W×H)[mm] | Qty/Carton [pcs] | Gross Weight [Kg] | Unit Weight [Kg] |
|--------------|------------------------------|------------------|-------------------|------------------|
| EL-PL1-12W | 660*335*375 | 20 | 21 | 0.98 |
| EL-PL1-24W | 647*190*335 | 5 | 12 | 2.08 |
| EL-PL1-40W | 1287*190*340 | 5 | 21 | 3.8 |
| EL-PL1-48W | 647*190*670 | 5 | 22.8 | 4.16 |
| EL-PL1-60W | 1315*75*640 | 2 | 13 | 6 |

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OTHER E-LOVER PRODUCTS:

For more information about E-lover products, please visit our website : www.szelover.com

DISCLAIMER:

E-lover reserves the right to modify the design of our products as part of the company's program of continuous improvement. E-lover cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.