LUMO®
feel the difference
LED Panel Light

Dust Proof
Water Resistant
Flicker Free
How flicker can be potential health risk?

The simplest definition of flicker is "modulation of light output." Or "a rapid and repeated change over time in the brightness of light". The effects of flicker can range from non-specific malaise (or only a normal headache) to epileptic attacks.

Complaints about flicker are nothing new to the lighting industry; however, the specific characteristics of LED lighting present some unique challenges.

Because of the potential health risk of flickers in lighting, IEEE P1789 was formed December 2008 for the purpose to bring together experts in photobiology, power electronic LED drivers, lighting health, lamp design, and LEDs together to discuss health effects of flicker in LED lighting.

We produce Flicker free lights

LUMO FZE addresses customer concerns by improving color quality, product price, lifespan and efficiency. But still the next big performance debate is now centering on flicker so we have designed a flicker free light for those who are looking for highest possible lighting performance.
Select the panel light options based on your project

An introduction to the future of lighting

LED Square Panel Light can perfectly replace traditional downlight. Using Light Guide Plate, it has the feature of uniform and smooth light beam, low glare rating, low light pollution, and excellent protection from eyestrain. It can be widely used as interior lighting in shops, supermarkets, malls and hospitals, etc.

LED Panel light

595*595mm

295*1195mm

Dimensions (Unit: mm)

All dimension tolerance is ±0.5mm unless otherwise noted.

Electrical Connection

AC 220-240V 50Hz

LED driver DC27-40V 1.05A

PANEL LIGHT
Specifications and features

- Ultra flat design 8.2mm thick
- Infinitely dimmable (requires dimmable LED constant current power supply as an option)
- Supplied with power supply featuring:
  - Short circuit protection - Overload protection
  - Over temperature protection
- Homogenous light distribution
- Dimensions: 595x595x8.2mm & 295x1195x8.2mm
- Frame: Aluminum, Powder coated white finish
- To improve efficiency: Operated via constant current power supply
- The LED panels are supplied with power supply
- The LED panels are not suitable for damp locations
- High efficiency LED panels with UGR<19

Installation options

Suspended

![Suspended installation accessories diagram]

Surface Mounted

![Surface mounted installation diagram]

Product packaging

600x600
1. Net weight: 2.8kg per piece
2. Light individual box size: 685x635x46mm
3. Master box contains 5 pieces of light
4. Master box lamps net weight: 12.7kg
5. Master box gross weight: 14.7kg
6. Master box packing size: 650x285x715mm

300x1200
1. Net weight: 2.9kg per piece
2. Light individual box size: 1235x380x46mm
3. Master box contains 5 pieces of light
4. Master box lamps net weight: 13kg
5. Master box gross weight: 15.5kg
6. Master box packing size: 1250x285x415mm

Applications

Suitable for hotels, conference rooms, factories, offices, commercial purposes, institution buildings, schools, colleges, universities, hospitals and other places which needs energy saving and high color rendering index lighting.
LED Panel Light

<table>
<thead>
<tr>
<th>Model</th>
<th>CCT</th>
<th>LED Type</th>
<th>Lumen (lm) (±10%)</th>
<th>Power (W) (±10%)</th>
<th>Length (mm)</th>
<th>Voltage (V)</th>
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<tr>
<td>LU040CPLFF-D60</td>
<td>5700-6500K</td>
<td>4014</td>
<td>3790 lm</td>
<td>40W</td>
<td>595*595</td>
<td>AC 220-240V 50Hz</td>
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<td>3490 lm</td>
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<td>LU040CPLFF-D12</td>
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<td>3345 lm</td>
<td>40W</td>
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Beam angle | PF | CRI | IP  | Lifespan | Reflectors  |
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<tr>
<td>110°</td>
<td>&gt;0.95</td>
<td>&gt;90</td>
<td>IP44</td>
<td>50000hrs</td>
<td>Opal PMMA</td>
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</tbody>
</table>

Luminous Intensity Distribution Diagrams

**LU040CPLFF-D60**

**LU040CPLFF-D12**

Note: The Curves indicate the illuminated area and the average illumination when the luminaires are at a different distance.