



## What Does a Premium Quality LED Panel Look Like?

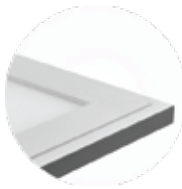
All LED lights are not created equal. Raw materials, design, manufacturing and quality control play a vital role in the performance and lifetime of an LED fixture. For example, Bulb Basics T8 tubes have a .8 mm thick aluminum housing, which dissipates heat more effectively than standard .5 mm tubes. Bulb Basics LED A19 bulbs last 25,000 hours, whereas typical LED bulbs fail at ~10,000 hours. Look deeper into our high quality panels below.

## Manufacturing Features



### Quality LED

Gold wire bonded LED, high efficiency and lumen output



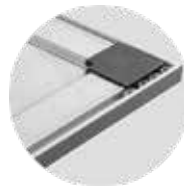
### No Light Leakage

Tightly fixed and the gap is carefully covered by sealant



### LED Protector

LEDs will not be damaged due to LGP expansion



### Embedded Groove

Able to support various accessories and installations



### UV Solidity

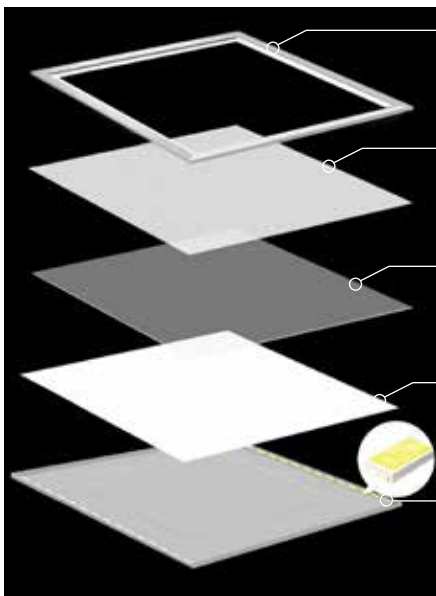
Great insulation plus strong strain and tension relief



### Earthquake Proof

Pre-installed kit prevents ceiling panels from falling

## Build Materials



### Durable Frame

lightweight aluminum with great heat dissipation

### Diffuser

Improved light balance for even lighting

### Light Guide Plate

PMMA material does not yellow with age like PS

### Reflector

Better energy efficiency and brighter output

### Top Brand LED

Long lifespan and superior energy savings

## Why Does PMMA Matter?



↑  
PS



↑  
PMMA

After 6 months of use

### PS (Polystyrene) Plate

The image above shows two sets of panel lights 6 months after installation. The left side has PS light guide plates. The right side has PMMA light guide plates. PS is a popular material in the United States due to its low price, but it inevitably turns yellow with dark spots which reduces the power conversion efficiency.

### PMMA (Acrylic) Plate

The advantages of PMMA include age-resistance and higher light transmittance when compared to PS. Even after years of usage, the color and efficiency will have minimal change.