



Product Description

LED back lit panel

LED back light panel light is a flat lighting fixture in which the LED chips are positioned directly behind the diffuser panel, facing forward. Unlike edge-lit panels that use a light guide plate, back lit panels emit light straight through the diffuser, resulting in a more direct and efficient illumination. This structure allows for high brightness, excellent uniformity, and better thermal management.

Advantage

- Improved Heat Dissipation

The back-mounted LED design of LED back light panel light offers better airflow and thermal performance, extending the product lifespan.

- Excellent Brightness Uniformity

Advanced PMMA optical lenses and diffuser layers ensure smooth and consistent illumination across the entire panel.

- Cost-Effective

Lower production complexity and efficient performance make back lit panels more affordable than edge-lit alternatives.

- Higher Luminous Efficiency

LED backlit flat panel light delivers more light output with less power consumption due to the direct light path.

- Sturdy and Durable Structure

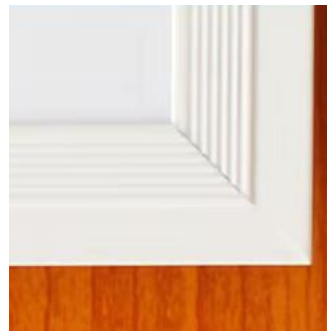
Simple, robust design of LED backlit flat panel light reduces the risk of bending, sagging, or yellowing over time.



One LED with one PMMA lens



Ultrathin PS diffuser plate



Aviation aluminum frame



White powder coating back board

LED back lit panel

Feature

- ✓ Direct Light Source Design
- ✓ Robust and Durable Structure
- ✓ Enhanced Heat Dissipation
- ✓ Excellent Light Uniformity
- ✓ High Brightness Output
- ✓ Cost-Effective Manufacturing

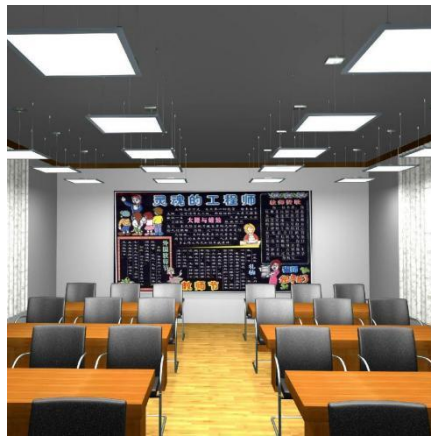
Application

Back-lit LED panel lights are widely used in commercial, institutional, and residential environments due to their high brightness, durability, and energy efficiency.

Common applications include:



Offices and Conference Rooms



Schools and Educational Facilities



Residential Areas

Specification

Europe Market

Model	Type	Wattage	Size	LM/W	CRI(Ra)	CCT	UGR	PF	Voltage
LPL-BACK	6060	20W	595*595 mm 620*620 mm	100-160	80/90	3000K 4000K 5000K 6000K	19/22	0.9	175-265V/ 85-265V
LPL-BACK		30W	595*595 mm 620*620 mm						
LPL-BACK		40W	595*595 mm 620*620 mm						
LPL-BACK	30120	20W	295*1195 mm						
LPL-BACK		30W	295*1195 mm						
LPL-BACK		40W	295*1195 mm						
LPL-BACK	60120	20W	595*1195 mm						
LPL-BACK		30W	595*1195 mm						
LPL-BACK		40W	595*1195 mm						

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Specification

North America Market

Model	Type	Wattage	Size	LM/W	CRI(Ra)	CCT	UGR	PF	Voltage
LPL-BACK	2×2	20W	603*603 mm	100-130	80/90	3000K 4000K 5000K 6000K	19/22	0.9	100-277V
LPL-BACK		30W	603*603 mm						
LPL-BACK		40W	603*603 mm						
LPL-BACK	1×4	20W	303*1213 mm						
LPL-BACK		30W	303*1213 mm						
LPL-BACK		40W	303*1213 mm						
LPL-BACK	2×4	30W	603*1213 mm						
LPL-BACK		40W	603*1213 mm						
LPL-BACK		60W	603*1213 mm						