

LED Panel Light Market Expected to Witness Sustainable Growth Over 2032

LED Panel Light Market Expected to Reach \$90.1 Billion by 2032—Allied Market Research

WILMINGTON, DE, UNITED STATES, July 4, 2025 /EINPresswire.com/ -- Allied Market Research, titled, "[LED Panel Light Market](#)", by type, sales channel, voltage, application: Global Opportunity Analysis And Industry Forecast, 2023-2032" The LED panel light market was valued at \$20.1 billion in 2022, and is estimated to reach

\$90.1 billion by 2032, growing at a CAGR of 16.4% from 2023 to 2032. The LED panel light market share is expected to witness considerable growth in the coming years, owing rise in demand for energy-efficient, cost-effective, and long-lasting lighting solutions, and an increase in demand for smart lighting and control systems.



The integration of smart lighting technologies and human-centric lighting is an upcoming trend in the LED panel light market."

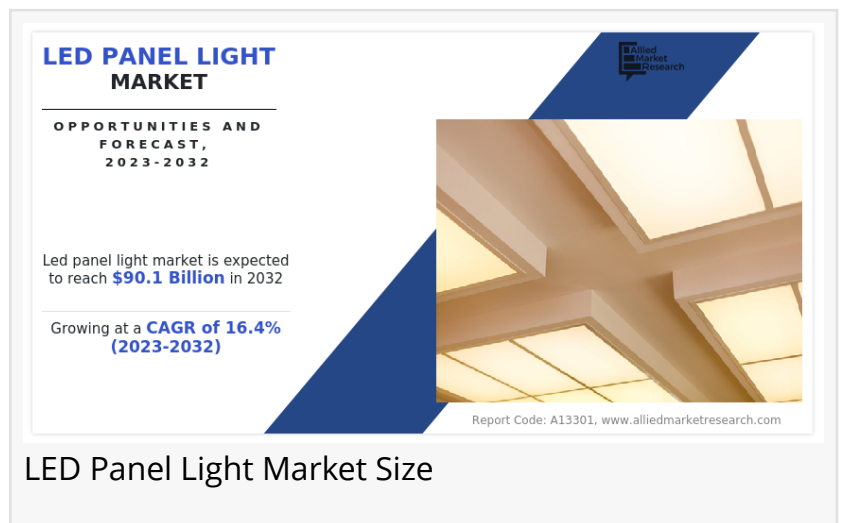
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An LED panel light, or LED enclosure light, is a lighting fixture utilizing LEDs for illumination. Primarily employed for lighting industrial enclosures and cabinets, it is crafted

as a substitute for traditional fluorescent ceiling lights in residential and commercial settings. Renowned for their energy efficiency, extended lifespan, and adaptability, [LED panel lights](#) are widely favored in diverse environments, including offices, residences, schools, and hospitals. With features such as adjustable color temperatures and dimming options, LED panel lights are versatile, modern lighting solutions. Typically, LED panel lights consist of a housing or frame housing an arrangement of LED chips that emit light when an electric current is applied. The light emitted is soft and diffused, making them suitable for general lighting, task-oriented purposes, and aesthetic enhancements. Constructed with a lightweight aluminum frame to prevent leaks,



these panels comprise three layers: a light guide plate, a diffuser, and LED chips. LED panels are often used as replacements for traditional fluorescent ceiling lights, and their slim profile and straight edge contribute to space efficiency.

The rising demand for cost-effective lighting solutions is driving the LED panel light market. Cost-effectiveness plays a pivotal role for both consumers and businesses, directly influencing operational expenses and overall budgetary considerations. LED panel lights stand out for their remarkable energy efficiency, consuming significantly less energy compared to traditional lighting alternatives like incandescent light bulbs. This results in decreased energy expenditures for both consumers and businesses, establishing LED panel lights as a financially prudent choice over the long term. Compared to conventional lighting, LED panel lights have a much longer service life. This extended lifespan reduces replacement and maintenance costs, resulting in cost savings over time. High-quality LED panels provide reliable and consistent lighting, giving users a return on investment. The durability and efficiency of these lights help keep it all cost-effective. Unlike fluorescent light fixtures, LED panel lights have a non-rechargeable delay and can be instantly started and easily installed in rapid recharge conditions.

In addition to this, these lights are increasingly popular in highly controlled environments due to their advanced features such as dimming, remote plug End play drivers, maintained three-hour emergency options, compatibility with building controls, and motion sensors and timers. Due to these advantages, governments of various countries are also encouraging the use of LED panel lights to save energy and promote environmental protection. Furthermore, with the advancement in LED technology, manufacturers have introduced LED products in new colors, further supporting their demand.

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However, the complex installation of LED panel lights can act as a restraint on the growth of the LED panel light industry. While LED panel lights offer numerous benefits, including energy efficiency and long-term cost savings, their installation can be challenging in certain situations. Furthermore, professional electricians or mechanics are often needed to install LED panel lights. This can increase the overall cost of running LED panel lights, making them less attractive to sensitive consumers and businesses. Retrofitting existing components through LED panel lights can be challenging, especially when there are compatibility issues with existing electrical installations. In some cases, LED panel light installation may require corresponding changes to the roof or walls, which can be expensive and time-consuming for businesses, and homeowners may be reluctant to make such changes. By addressing the challenge of complex installation and making LED panel lights more user-friendly and accessible, the market can overcome this restraint and continue its growth during the forecast period.

The LED panel light market is segmented based on type, sales channel, voltage, application, and region. By type, the [LED panel light market analysis](#) is divided into recessed LED and surface-

mounted LED. By sales channel, the LED panel light market size is bifurcated into online and offline. By voltage, the LED panel light market growth is classified into below 10V, 10-20V, and more than 20V. By application, the market is categorized into commercial/industrial and residential.

By region, it is analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, Russia, and the rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and the rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

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KEY FINDINGS OF THE STUDY

- The LED panel light market share is expected to grow significantly in the coming years, driven by the rise in demand for energy-efficient lighting.
- The market is expected to be driven by the demand for LED panel lights in the Commercial/Industrial sector.
- The market is highly competitive, with several major players competing for market share. The competition is expected to intensify in the coming years as new players enter the market.
- The Asia-Pacific region is expected to be a major market for the LED panel lights market owing to an increase in the adoption of advanced technologies in the region.

Competitive analysis and profiles of the major LED panel light market trends players, such as Signify Holding, Seoul Semiconductor Co., Ltd, ACUITY BRANDS, INC., Panasonic Corporation, GE Lighting, LUMIRON INC., Siteco GmbH, Elstar, NICHIA CORPORATION, and OsLEDer Lighting Technology Co., Ltd are provided in this report. Product launch and acquisition business strategies were adopted by the major market players in 2022.

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