

Global Direct-Lit Flat Panel Light Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Direct-Lit Flat Panel Light market size is expected to reach \$ 1537 million by 2032, rising at a market growth of 4.0% CAGR during the forecast period (2026-2032).

In 2025, the global production volume of direct-lit LED flat panel lights is projected to reach 150 million units, with an average selling price of \$7.50 per unit. The global annual production capacity for direct-lit flat panel lights stands at approximately 220 million units, with a gross margin of approximately 22.3%. A direct-lit flat panel light is a common type of LED flat lighting fixture; its core structural characteristic is that the LED beads are arranged directly on the fixture's base plate (backplate), allowing light to shine directly downward?after passing through optical components such as a diffuser?to create a uniform surface light source. The upstream segment of the direct-lit flat panel light industry includes components such as LED chips, PCB substrates, and light guide plate materials. The midstream segment consists of the manufacturers of direct-lit flat panel lights, while the downstream segment primarily encompasses applications in commercial, private, and government sectors.

The market for direct-lit flat panel lights is currently in a mature and steadily developing phase, holding a significant position within the commercial and industrial lighting sectors. Driven by the continuously rising demand for high-quality illumination in office, educational, healthcare, and commercial spaces, direct-lit flat panel lights?distinguished by their high brightness, superior uniformity, and reliable thermal management?have emerged as a classic choice for ceiling-mounted general lighting. Concurrently, influenced by technological trends in the LCD display industry, direct-lit backlight solutions continue to find application in the high-end large-screen TV and professional monitor markets, where they serve to meet demands for higher contrast ratios and precise light control. Nevertheless, the market also faces competitive pressure from

edge-lit flat panel lights (which are thinner and lower in cost) as well as other novel lighting solutions (such as COB and Mini LED surface light sources). Overall, direct-lit flat panel lights remain renowned for their stable performance and excellent luminous efficacy; they maintain robust demand in application scenarios where lighting quality takes precedence over extreme slimness, resulting in a relatively mature and stable market landscape.

This report studies the global Direct-Lit Flat Panel Light production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Direct-Lit Flat Panel Light and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Direct-Lit Flat Panel Light that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Direct-Lit Flat Panel Light total production and demand, 2021-2032, (K Units)

Global Direct-Lit Flat Panel Light total production value, 2021-2032, (USD Million)

Global Direct-Lit Flat Panel Light production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Direct-Lit Flat Panel Light consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Direct-Lit Flat Panel Light domestic production, consumption, key domestic manufacturers and share

Global Direct-Lit Flat Panel Light production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Direct-Lit Flat Panel Light production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Direct-Lit Flat Panel Light production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Direct-Lit Flat Panel Light market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Philips, Panasonic, OSRAM, TCL, OPPLE, NVC Lighting, Midea, Jiangsu Shinuo Lighting, ZheJiang Klite Lighting, FSL, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Direct-Lit Flat Panel Light market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Direct-Lit Flat Panel Light Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Direct-Lit Flat Panel Light Market, Segmentation by Type:

Embedded Type

Suspension Type

Ceiling Type

Global Direct-Lit Flat Panel Light Market, Segmentation by Power:

3W-12W

15W-24W

36W and Above

Global Direct-Lit Flat Panel Light Market, Segmentation by Optical Design:

Standard Direct-Lit

Lens-Type Direct-Lit

Reflective Direct-Lit

Global Direct-Lit Flat Panel Light Market, Segmentation by Application:

Commercial Use

Private Use

Government Use

Companies Profiled:

Philips

Panasonic

OSRAM

TCL

OPPLE

NVC Lighting

Midea

Jiangsu Shinuo Lighting

ZheJiang Klite Lighting

FSL

CH LIGHTING TECHNOLOGY

Greatlighting

Quasar Optoelectronics

Walstar International Lighting

NYPI

Key Questions Answered:

1. How big is the global Direct-Lit Flat Panel Light market?
2. What is the demand of the global Direct-Lit Flat Panel Light market?
3. What is the year over year growth of the global Direct-Lit Flat Panel Light market?
4. What is the production and production value of the global Direct-Lit Flat Panel Light market?
5. Who are the key producers in the global Direct-Lit Flat Panel Light market?
6. What are the growth factors driving the market demand?

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