

Global Vertical Farming LED Grow Light Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Vertical Farming LED Grow Light market size is expected to reach \$ 1060 million by 2032, rising at a market growth of 11.9% CAGR during the forecast period (2026-2032).

Vertical Farming LED Grow Light is a specialized lighting system designed to support plant growth in vertical farming environments, where crops are cultivated in stacked layers indoors. These LED lights emit specific wavelengths of light, typically in the red and blue spectrum, which are most effective for photosynthesis. Engineered for energy efficiency and minimal heat output, vertical farming LED grow lights can be placed close to plants to maximize space usage and crop yield. Their customizable light intensity and spectrum allow precise control over plant development, making them essential for year-round, soil-free agriculture in controlled indoor settings.

This report studies the global Vertical Farming LED Grow Light production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vertical Farming LED Grow 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 Vertical Farming LED Grow Light that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Vertical Farming LED Grow Light total production and demand, 2021-2032, (K Units)

Global Vertical Farming LED Grow Light total production value, 2021-2032, (USD

Million)

Global Vertical Farming LED Grow Light production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Vertical Farming LED Grow Light consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Vertical Farming LED Grow Light domestic production, consumption, key domestic manufacturers and share

Global Vertical Farming LED Grow Light production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Vertical Farming LED Grow Light production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Vertical Farming LED Grow Light production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Vertical Farming LED Grow 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, Samsung, ams OSRAM, Orion, HATO Agricultural Lighting, Leitech, Intellias, California LightWorks, Current, Gavita International, 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 Vertical Farming LED Grow 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 Vertical Farming LED Grow Light Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Vertical Farming LED Grow Light Market, Segmentation by Type:

Full Spectrum Light

Non-Full Spectrum Light

Global Vertical Farming LED Grow Light Market, Segmentation by Application:

Vegetable

Fruit

Others

Companies Profiled:

Philips

Samsung

ams OSRAM

Orion

HATO Agricultural Lighting

Leitech

Intellias

California LightWorks

Current

Gavita International

DeLaval

Sunbird

Signify

Heliospectra

Lely

Hubbell

Luminus

Valoya

Efficiency Vermont

Hortilux

Munnon

Anhui Zhinong Agricultural Equipment Technology

Guangdong Queendom Group Technology

Key Questions Answered:

1. How big is the global Vertical Farming LED Grow Light market?
2. What is the demand of the global Vertical Farming LED Grow Light market?
3. What is the year over year growth of the global Vertical Farming LED Grow Light market?
4. What is the production and production value of the global Vertical Farming LED Grow Light market?
5. Who are the key producers in the global Vertical Farming LED Grow Light market?
6. What are the growth factors driving the market demand?

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