

Global Vertical Farming LED Grow Light Market Growth 2025-2031

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Abstracts

The global Vertical Farming LED Grow Light market size is predicted to grow from US\$ 463 million in 2025 to US\$ 945 million in 2031; it is expected to grow at a CAGR of 12.6% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

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.

United States market for Vertical Farming LED Grow Light is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Vertical Farming LED Grow Light is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Vertical Farming LED Grow Light is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Vertical Farming LED Grow Light players cover Philips, Samsung, Osram, OSRAM, Orion, HATO Agricultural Lighting, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Vertical Farming LED Grow Light Industry Forecast" looks at past sales and reviews total world Vertical Farming LED Grow Light sales in 2024, providing a comprehensive analysis by region and market sector of projected Vertical Farming LED Grow Light sales for 2025 through 2031. With Vertical Farming LED Grow Light sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Vertical Farming LED Grow Light industry.

This Insight Report provides a comprehensive analysis of the global Vertical Farming LED Grow Light landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Vertical Farming LED Grow Light portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Vertical Farming LED Grow Light market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vertical Farming LED Grow Light and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Vertical Farming LED Grow Light.

This report presents a comprehensive overview, market shares, and growth opportunities of Vertical Farming LED Grow Light market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Full Spectrum Light

Non-Full Spectrum Light

Segmentation by Application:

Vegetable

Fruit

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global Vertical Farming LED Grow Light market?

What factors are driving Vertical Farming LED Grow Light market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Vertical Farming LED Grow Light market opportunities vary by end market

size?

How does Vertical Farming LED Grow Light break out by Type, by Application?

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