

Horticulture Lighting Market Size, Share, and Outlook, 2025 Report- By Type (Toplighting, Interlighting), By Application (Greenhouses, Vertical Farming, Indoor Farming, Others), By Cultivation (Fruit, Vegetables, Flowers, Others), By Installation (New Installations, Retrofit Installations), By Technology (Fluorescent, High Pressure Sodium, Metal Halide, Light Emitting Diode), By Light Source (Electric Discharge, Solid State Light Source), By Offering (Hardware, Software), 2018-2032

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Abstracts

Horticulture Lighting Market Outlook

The Horticulture Lighting Market size is expected to register a growth rate of 21.6% during the forecast period from \$5.15 Billion in 2025 to \$20.2 Billion in 2032. The Horticulture Lighting market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Horticulture Lighting segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Toplighting, Interlighting), By Application (Greenhouses, Vertical Farming, Indoor Farming, Others), By Cultivation (Fruit, Vegetables, Flowers, Others), By Installation (New Installations, Retrofit Installations), By Technology (Fluorescent, High Pressure Sodium, Metal Halide, Light Emitting Diode), By Light Source (Electric Discharge, Solid State Light Source), By Offering

(Hardware, Software). Over 70 tables and charts showcase findings from our latest survey report on Horticulture Lighting markets.

Horticulture Lighting Market Insights, 2025

The horticulture lighting market is expanding as the agriculture industry embraces LED-based smart lighting solutions to optimize plant growth and energy consumption. Companies such as Signify (Philips), Osram, and GE Current are leading innovations in spectrum-tuned LED grow lights, enabling precise light wavelength adjustments to enhance photosynthesis and crop yield. The rise of indoor farming, vertical agriculture, and controlled-environment agriculture (CEA) is driving demand for AI-integrated lighting systems that dynamically adjust intensity based on plant needs. Additionally, advancements in UV and far-red light technology are improving pest resistance and flowering cycles, leading to higher-quality produce. Government initiatives promoting energy-efficient agricultural practices, particularly in North America and Europe, are further fueling adoption, with subsidies and incentives making LED horticulture lighting more accessible to commercial growers.

Five Trends that will define global Horticulture Lighting market in 2025 and Beyond

A closer look at the multi-million market for Horticulture Lighting identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Horticulture Lighting companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Horticulture Lighting vendors.

What are the biggest opportunities for growth in the Horticulture Lighting industry?

The Horticulture Lighting sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Horticulture Lighting Market Segment Insights

The Horticulture Lighting industry presents strong offers across categories. The analytical report offers forecasts of Horticulture Lighting industry performance across segments and countries. Key segments in the industry include%li%By Type (Toplighting, Interlighting), By Application (Greenhouses, Vertical Farming, Indoor Farming, Others), By Cultivation (Fruit, Vegetables, Flowers, Others), By Installation (New Installations, Retrofit Installations), By Technology (Fluorescent, High Pressure Sodium, Metal Halide, Light Emitting Diode), By Light Source (Electric Discharge, Solid State Light Source), By Offering (Hardware, Software). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Horticulture Lighting market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Horticulture Lighting industry ecosystem. It assists decision-makers in evaluating global Horticulture Lighting market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Horticulture Lighting industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Horticulture Lighting Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025.

Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Horticulture Lighting Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Horticulture Lighting with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Horticulture Lighting market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Horticulture Lighting market Insights%li%Vendors are exploring new opportunities within the US Horticulture Lighting industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Horticulture Lighting companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Horticulture Lighting market.

Latin American Horticulture Lighting market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Horticulture Lighting Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Horticulture Lighting markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Horticulture Lighting markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Horticulture Lighting companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include California Lightworks, Eye Hortilux, Gavita, Heliiospectra AB, Hortilux Schr?der, ILUMINAR Lighting, LumiGrow Inc, OSRAM, Signify Holding, Valoya.

Horticulture Lighting Market Segmentation

By Type

Toplighting

Interlighting

By Application

Greenhouses

Vertical Farming

Indoor Farming

Others

By Cultivation

Fruit

Vegetables

Flowers

Others

By Installation

New Installations

Retrofit Installations

By Technology

Fluorescent

High Pressure Sodium

Metal Halide

Light Emitting Diode

By Light Source

Electric Discharge

Solid State Light Source

By Offering

Hardware

Software

Leading Companies

California Lightworks

Eye Hortilux

Gavita

Helliospectra AB

Hortilux Schröder

ILUMINAR Lighting

LumiGrow Inc

OSRAM

Signify Holding

Valoya

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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By Type

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Interlighting

By Application

Greenhouses

Vertical Farming

Indoor Farming

Others

By Cultivation

Fruit

Vegetables

Flowers

Others

By Installation

New Installations

Retrofit Installations

By Technology

Fluorescent

High Pressure Sodium

Metal Halide

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Eye Hortilux

Gavita

Helliospectra AB

Hortilux Schröder

ILUMINAR Lighting

LumiGrow Inc

OSRAM

Signify Holding

Valoya

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