

Global Smart Horticultural Lighting Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Smart Horticultural Lighting market size was valued at US\$ 4602 million in 2024 and is forecast to a readjusted size of USD 6158 million by 2031 with a CAGR of 4.3% during review period.

Smart LED lighting gives planters the ability to control the color and intensity of light, optimizing their impact on crops and monitor the real-time data on growth features. Smart sensors also constantly gather real-time data about light and growth conditions.

The smart horticultural lighting market was projected to experience substantial growth due to the increasing demand for high-quality, locally grown produce, as well as the potential to reduce the environmental impact of agriculture through more efficient resource usage.

This report is a detailed and comprehensive analysis for global Smart Horticultural Lighting market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Smart Horticultural Lighting market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Horticultural Lighting market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Horticultural Lighting market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Horticultural Lighting market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Smart Horticultural Lighting
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Smart Horticultural Lighting market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Osram, Signify, General Electric, Everlight Electronics, Gavita, Hubbell Lighting, Kessil, Cree, Illumitex, Lumigrow, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Smart Horticultural Lighting market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

HPS

Metal Halide

Fluorescent

LED

Market segment by Application

Commercial Greenhouse

Indoor Growing Facilities

Others

Major players covered

Osram

Signify

General Electric

Everlight Electronics

Gavita

Hubbell Lighting

Kessil

Cree

Illumitex

Lumigrow

Senmatic A/S

Valoya

Heliospectra AB

Cidly

Ohmax Optoelectronic

AIS LED Light

Vipple

Growray

California Lightworks

VANQ Technology

Yaham Lighting

PARUS

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Smart Horticultural Lighting product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Smart Horticultural Lighting, with price, sales quantity, revenue, and global market share of Smart Horticultural Lighting from

2020 to 2025.

Chapter 3, the Smart Horticultural Lighting competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Smart Horticultural Lighting breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Smart Horticultural Lighting market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Smart Horticultural Lighting.

Chapter 14 and 15, to describe Smart Horticultural Lighting sales channel, distributors, customers, research findings and conclusion.

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