

# Global Intelligent LED Plant Factory Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Intelligent LED Plant Factory market size was valued at US\$ 6159 million in 2024 and is forecast to a readjusted size of USD 11660 million by 2031 with a CAGR of 9.6% during review period.

Intelligent LED plant factory uses computers to perform high-precision, all-weather automatic control of production factors such as temperature, humidity, light (mainly provided by LED light sources), water and fertilizer in the crop production process in the facility, so that plants are not or rarely affected by natural conditions, thereby achieving an efficient production method for continuous production of crops throughout the year. This production method combines modern biotechnology, intelligent equipment and information technology, and represents the current hot spot of global agricultural high-tech research.

This report is a detailed and comprehensive analysis for global Intelligent LED Plant Factory market. Both quantitative and qualitative analyses are presented by company, 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 Intelligent LED Plant Factory market size and forecasts, in consumption value (\$

Million), 2020-2031

Global Intelligent LED Plant Factory market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Intelligent LED Plant Factory market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Intelligent LED Plant Factory market shares of main players, in revenue (\$ Million), 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 Intelligent LED Plant Factory

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Intelligent LED Plant Factory market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AeroFarms, Plenty, Infarm, Brightfarms, Kalera, Lettus Grow, PlantLab, Panasonic, SANANBIO, JD.com, Inc., etc.

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

Market segmentation

Intelligent LED Plant Factory 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Large

Small and Medium

## Market segment by Application

Vegetable Cultivation

Fruit Planting

Others

## Market segment by players, this report covers

AeroFarms

Plenty

Infarm

Brightfarms

Kalera

Lettus Grow

PlantLab

Panasonic

SANANBIO

JD.com, Inc.

4D BIOS

AgriGarden

## Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Intelligent LED Plant Factory product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Intelligent LED Plant Factory, with revenue, gross margin, and global market share of Intelligent LED Plant Factory from 2020 to 2025.

Chapter 3, the Intelligent LED Plant Factory competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Intelligent LED Plant Factory market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Intelligent LED Plant Factory.

Chapter 13, to describe Intelligent LED Plant Factory research findings and conclusion.

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