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Global Plant Lighting Beads Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GA82DB2A5535EN.html
Date: October 2026
Pages: 109
Price: US$ 3,480.00 (Single User License)
ID: GA82DB2A5535EN

Abstracts

According to our (Global Info Research) latest study, the global Plant Lighting Beads market size was valued at US$ 762 million in 2025 and is forecast to a readjusted size of US$ 1335 million by 2032 with a CAGR of 8.4% during review period.

With the continuous development of LED technology, the light efficiency and quality of LED plant lighting beads are also constantly improving. The emergence of LED plant lighting beads with high light efficiency, long life and low heat makes LED plant lighting more suitable for large-scale planting and production. The growth of the global population and the improvement of residents" living standards have led to a steady increase in food production and demand. LED plant lighting can improve the yield and quality of crops by changing the lighting time and intensity, thereby meeting the growth in food demand to a certain extent.

This report is a detailed and comprehensive analysis for global Plant Lighting Beads 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 Plant Lighting Beads market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit),

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2021-2032

Global Plant Lighting Beads market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Plant Lighting Beads market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Plant Lighting Beads market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

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 Plant Lighting Beads

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 Plant Lighting Beads 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 Dongguan Lideda Optoelectronics Technology Co., Ltd., Guangzhou Juhong Optoelectronics Co., Ltd., Shenzhen Guangmai Technology Co., Ltd., Shenzhen Rongze Electronic Technology Co., Ltd., Shenzhen Futeming Optoelectronics Technology Co., Ltd., Shenzhen Planck Optoelectronics Technology Co., Ltd., Hunan Contec Technology Co., Ltd., Shenzhen Lanhai Bright Lighting Technology Co., Ltd., Sanan Optoelectronics, Jucan Optoelectronics, etc.

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

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Market Segmentation

Plant Lighting Beads market is split by Type and by Application. For the period 2021-2032, 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

Blu Ray

Red Light

White Light

Market segment by Application

Greenhouse Planting

Botanical Garden

Major players covered

Dongguan Lideda Optoelectronics Technology Co., Ltd.

Guangzhou Juhong Optoelectronics Co., Ltd.

Shenzhen Guangmai Technology Co., Ltd.

Shenzhen Rongze Electronic Technology Co., Ltd.

Shenzhen Futeming Optoelectronics Technology Co., Ltd.

Shenzhen Planck Optoelectronics Technology Co., Ltd.

Hunan Contec Technology Co., Ltd.

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Shenzhen Lanhai Bright Lighting Technology Co., Ltd.

Sanan Optoelectronics

Jucan Optoelectronics

GE

Philips

Hydrofarm

Lithonia

Aerogarden

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 Plant Lighting Beads product scope, market overview, market estimation caveats and base year.

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Chapter 2, to profile the top manufacturers of Plant Lighting Beads, with price, sales quantity, revenue, and global market share of Plant Lighting Beads from 2021 to 2026.

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

Chapter 4, the Plant Lighting Beads breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Plant Lighting Beads market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Plant Lighting Beads.

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

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