

Global LED Machine Vision 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 LED Machine Vision Lighting market size was valued at US\$ 443 million in 2024 and is forecast to a readjusted size of USD 761 million by 2031 with a CAGR of 8.1% during review period.

LED lighting for machine vision applications, including wavelength, pulse mode, polarization, incident angle, and technique, is the most important consideration when creating a machine vision solution. Today, the vast majority of machine vision lighting systems use solid-state, or light-emitting diode (LED), technology because it consumes less power, generates less heat, is more compact, and is more efficient than incandescent, fluorescent, or gas discharge light sources.

This report is a detailed and comprehensive analysis for global LED Machine Vision 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 LED Machine Vision Lighting market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global LED Machine Vision 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 LED Machine Vision 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 LED Machine Vision 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 LED Machine Vision 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 LED Machine Vision 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 OMRON, CCS Lighting, Advanced Illumination, Smart Vision Lights, Siemens, Cognex Corporation, HikVision, Moritex, Schneider Electric, Balluff, etc.

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

Market Segmentation

LED Machine Vision 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

Ring Light Source

Bar Light Source

Back Lights

Coaxial Light Source

Others

Market segment by Application

Electronics Industry

Display Industry

Logistics Industry

Semiconductor Industry

Others

Major players covered

OMRON

CCS Lighting

Advanced Illumination

Smart Vision Lights

Siemens

Cognex Corporation

HikVision

Moritex

Schneider Electric

Balluff

ProPhotonix

EFFILUX

Spectrum Illumination

TPL Vision

Banner Engineering

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 LED Machine Vision Lighting product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of LED Machine Vision Lighting, with price, sales quantity, revenue, and global market share of LED Machine Vision Lighting from 2020 to 2025.

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

Chapter 4, the LED Machine Vision 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 LED Machine Vision 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 LED Machine Vision Lighting.

Chapter 14 and 15, to describe LED Machine Vision Lighting sales channel, distributors, customers, research findings and conclusion.

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