

Global AOI Tricolor Light Source Market Growth 2026-2032

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Abstracts

The global AOI Tricolor Light Source market size is predicted to grow from US\$ 333 million in 2025 to US\$ 491 million in 2032; it is expected to grow at a CAGR of 5.8% from 2026 to 2032.

AOI tricolor light source is composed of RGB tricolor high-brightness LED arrays, which illuminate objects at different angles and colors. It is a combination of high-angle light and low-angle light. Through the combination of RGB multi-color in one light source, it can realize the lighting of different angles and colors for the details of objects at different levels, making the imaging of objects more three-dimensional. It has the advantages of high speed, high precision, and non-contact detection. It plays an important role in the fields of electronic manufacturing, including non-contact inspection of printed circuit boards (PCBs) or other electronic components.

United States market for AOI Tricolor Light Source is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for AOI Tricolor Light Source is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for AOI Tricolor Light Source is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key AOI Tricolor Light Source players cover YODN, InnoSMART AUTOMATION, F-MAGNESIUM INDUSTRY, OPT, Viosion Datum, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “AOI Tricolor Light Source Industry Forecast” looks at past sales and reviews total world AOI Tricolor Light Source sales in 2025, providing a comprehensive analysis by region and market sector of projected AOI Tricolor Light Source sales for 2026 through 2032. With AOI Tricolor Light Source sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world AOI Tricolor Light Source industry.

This Insight Report provides a comprehensive analysis of the global AOI Tricolor Light Source landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on AOI Tricolor Light Source portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global AOI Tricolor Light Source market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AOI Tricolor Light Source and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AOI Tricolor Light Source.

This report presents a comprehensive overview, market shares, and growth opportunities of AOI Tricolor Light Source market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Power ? 10W

10W

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