

LED Lighting Market worth \$174.60 billion by 2030, growing at a CAGR of 11.08% - Exclusive Report by 360iResearch

The Global LED Lighting Market to grow from USD 75.30 billion in 2022 to USD 174.60 billion by 2030, at a CAGR of 11.08%.

PUNE, MAHARASHTRA, INDIA ,
November 16, 2023 /
EINPresswire.com/ -- The "[LED Lighting Market](#) by Product (Lamps, Luminaires), Installation (New, Retrofit), Application, Sales Channel, End Use - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

The Global LED Lighting Market to grow from USD 75.30 billion in 2022 to USD 174.60 billion by 2030, at a CAGR of 11.08%.

Request a Free Sample Report @ https://www.360iresearch.com/library/intelligence/led-lighting?utm_source=einpresswire&utm_medium=referral&utm_campaign=sample

The LED (light emitting diode) lighting market encompasses developing, manufacturing, and selling energy-efficient, environmentally friendly, and long-lasting light sources. The market is primarily driven by applications in various sectors, including residential, commercial, industrial, outdoor, and automotive lighting. Growing stringent government regulations favoring energy-efficient alternatives, such as LEDs, led to increased adoption rates among consumers and businesses. Moreover, the rising preference for LEDs in SUVs and premium vehicles and demand for LED lighting in outdoor applications is driving the market growth. High initial costs associated with product acquisition and installation often deter potential customers from switching to LED lighting solutions. Discrepancies in product quality due to irregular manufacturing processes can also hinder consumer confidence in LED products. Technological advancements in LED lighting resulting in improved product performance are expected to support growth in the market.



Furthermore, growth in infrastructure development coupled with investment in smart city projects presents lucrative opportunities for companies operating within this sector.

Product: Growing demand for luminaires for superior performance in terms of light quality

Lamps are individual LED light sources that can be easily integrated into existing fixtures or used as replacements for traditional incandescent or CFL bulbs. They are popular among consumers seeking energy-efficient lighting solutions without significant infrastructure changes. A-type LEDs are one of the most common lamps that resemble the traditional incandescent bulb shape. They are omnidirectional light sources used for general-purpose lighting in residential and commercial settings. T-type LEDs, or tube lights, are linear-shaped lamps that replace fluorescent tubes. They offer higher energy savings, improved color rendering index (CRI), and longer life than conventional fluorescent tubes. T-type LEDs are commonly used for task lighting in offices, retail stores, educational institutions, and industrial applications. Luminaires comprise complete lighting units that house one or more LED light sources and the necessary electrical components such as drivers and heat sinks. These products cater to consumers seeking customized lighting design options for new installations or renovations. Downlights are recessed luminaires designed to project light downward from the ceiling in a focused beam pattern. LED technology has revolutionized street lighting with its higher energy efficiency, longer lifespan, and reduced maintenance costs. Troffers are rectangular luminaires that are typically recessed into the ceiling of commercial and institutional spaces. The primary advantages of troffer lighting include uniform light distribution, minimal glare, energy savings, and flexible design options for customization. In comparative analysis, lamps offer an affordable solution for users seeking an immediate upgrade in energy efficiency without major infrastructural modifications. Luminaires address these concerns by offering completely integrated lighting solutions tailored to specific applications. While they typically have a higher upfront cost than lamps, they deliver superior light quality and uniform performance due to their custom-built design features.

Installation: Growing adoption of new installations for greater design flexibility and seamless integration with modern building systems

New installations are typically preferred in newly constructed buildings or during major renovations, as they allow better integration with modern design elements such as smart home systems and advanced controls. Retrofit LED lighting installations involve replacing traditional light sources with more efficient LED alternatives. This option suits property owners seeking a cost-effective upgrade without major structural alterations. Both options result in significant energy savings, reduced maintenance expenses, and decreased environmental impact. The decision between new and retrofit installations often depends on individual needs, budget limitations, and project objectives. Regardless of whether one chooses a comprehensive system overhaul or a simpler retrofit upgrade, incorporating LED lighting solutions offers substantial energy savings and improved environmental sustainability across various settings.

Application: Rising use of outdoor LED lighting solutions for functional and aesthetic needs

Indoor LED lighting enhances illumination quality while reducing energy consumption in residential, commercial, and industrial environments. Subcategories include general lighting for

ambiance, task lighting for focused activities, accent lighting to highlight features, and horticultural lighting for controlled environments. Outdoor LED lighting solutions address the functional and aesthetic requirements of exterior spaces while promoting safety, sustainability, and security. Major subcategories encompass streetlights for safe transportation, floodlights for large-scale illumination, landscape lighting for enhancing aesthetics, and traffic signals & signage for improved road safety. Compared to conventional HID or HPS lamps, outdoor LEDs offer better visibility with uniform light distribution, increased energy savings (up to 70%), lower maintenance costs due to longer lifespans (50k-100k hours), and reduced environmental impact by eliminating harmful mercury content.

End Use: Significant usage of LED lighting for residential settings as an energy savings option. Commercial spaces, such as offices, retail stores, hotels, and hospitals, demand energy-efficient, cost-effective lighting solutions with versatile designs that blend aesthetics and high-performance illumination. Key features include smart controls, color-tuning capabilities, and long-lasting products to reduce maintenance expenses. Industrial facilities prioritize durability due to harsh conditions such as high temperatures and humidity. They seek robust LED lighting with ingress protection ratings for dust/water resistance and high lumen output for enhanced visibility in warehouses or manufacturing plants. Design aesthetics take a backseat compared to functionality. Residential LED lighting focuses on comfort and ambiance while ensuring energy savings. Homeowners desire products with varying color temperatures and dimming capabilities compatible with smart home systems that offer design aesthetics balanced alongside performance components. All three segments require energy-efficient LED lighting solutions; however, their priorities vary concerning functionality and design - commercial settings emphasize aesthetics and intelligent controls, industrial facilities stress robustness and high-lumen output, while residential environments strike a balance between design preferences, energy savings, and smart home integration.

Regional Insights:

The Americas region has been an early adopter of LED technology, driven by stringent government regulations and consumer awareness about energy efficiency. The United States is the largest market for LED lighting in this region due to supportive federal policies such as the Department of Energy's Energy Star program, which encourages consumers to opt for more energy-efficient products. In Latin America, key markets such as Brazil and Argentina are witnessing a transition towards LEDs due to increasing electricity prices and growing environmental concerns. Europe leads this growth with the European Union implementing strict regulations such as the ErP Directive 2009/125/EC that mandates energy-efficient product designs, including requirements for 'phase-out' of incandescent bulbs. Middle East and Africa markets are witnessing an upsurge in demand for energy-efficient solutions due to rapid urbanization, causing strain on power infrastructure & a growing focus on sustainability practices. The APAC region is witnessing significant growth in the LED lighting market owing to rapid urbanization and increasing demand for energy-efficient solutions. Additionally, the growing smart city initiatives across the region drive demand for connected LED lighting systems that enable improved energy management.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the LED Lighting Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the LED Lighting Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the LED Lighting Market, highlighting leading vendors and their innovative profiles. These include Acuity Brands, Inc., ams-OSRAM International GmbH, Apollo Lighting Ltd., Bridgelux, Inc., Dialight PLC by Roxboro Group PLC, Digital Lumens, Inc., Eaton Corporation PLC, Everlight Americas, Inc., Feit Electric, Havells India Limited, Ledure Lightings Limited, LSI Industries Inc., Nichia Corporation, Olympia Lighting, Panasonic Corporation, Polycab India Limited, ROHM Co, Ltd., Samsung Electronics Co., Ltd., Savant Systems, Inc., Seoul Semiconductor Co., Ltd., Signify Holding, Siteco GmbH, Syska Led Lights Pvt Ltd, Technical Consumer Products, Inc., US LED, Ltd., Wipro Limited, and Zumtobel Lighting GmbH.

Inquire Before Buying @ https://www.360iresearch.com/library/intelligence/led-lighting?utm_source=einpresswire&utm_medium=referral&utm_campaign=inquire

Market Segmentation & Coverage:

This research report categorizes the LED Lighting Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Product, market is studied across Lamps and Luminaires. The Lamps is further studied across A-type and T-Type. The Luminaires is further studied across Downlights, Streetlights, and Troffers. The Lamps is projected to witness significant market share during forecast period.

Based on Installation, market is studied across New and Retrofit. The Retrofit is projected to

witness significant market share during forecast period.

Based on Application, market is studied across Indoor and Outdoor. The Indoor is projected to witness significant market share during forecast period.

Based on Sales Channel, market is studied across Offline and Online. The Offline is projected to witness significant market share during forecast period.

Based on End Use, market is studied across Commercial, Industrial, and Residential. The Industrial is projected to witness significant market share during forecast period.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Asia-Pacific commanded largest market share of 38.57% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

1. Preface
2. Research Methodology
3. Executive Summary
4. Market Overview
5. Market Insights
6. LED Lighting Market, by Product
7. LED Lighting Market, by Installation
8. LED Lighting Market, by Application
9. LED Lighting Market, by Sales Channel
10. LED Lighting Market, by End Use
11. Americas LED Lighting Market
12. Asia-Pacific LED Lighting Market
13. Europe, Middle East & Africa LED Lighting Market
14. Competitive Landscape
15. Competitive Portfolio
16. Appendix

The report provides insights on the following pointers:

1. Market Penetration: Provides comprehensive information on the market offered by the key

players

2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:

1. What is the market size and forecast of the LED Lighting Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the LED Lighting Market?
3. What is the competitive strategic window for opportunities in the LED Lighting Market?
4. What are the technology trends and regulatory frameworks in the LED Lighting Market?
5. What is the market share of the leading vendors in the LED Lighting Market?
6. What modes and strategic moves are considered suitable for entering the LED Lighting Market?

Read More @ https://www.360iresearch.com/library/intelligence/led-lighting?utm_source=einpresswire&utm_medium=referral&utm_campaign=analyst

Mr. Ketan Rohom
360iResearch
+ 1 530-264-8485
ketan@360iresearch.com

This press release can be viewed online at: <https://www.einpresswire.com/article/668906917>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.