

Industrial & Commercial Led Lighting Market Forecasts to 2032 – Global Analysis By Product Type (Lamps, Luminaires, and Other Product Types), Installation Type, Technology, Distribution Channel, Application, End User and By Geography

<https://marketpublishers.com/r/I308AA641669EN.html>

Date: September 2025

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: I308AA641669EN

Abstracts

According to Statistics MRC, the Global Industrial & Commercial Led Lighting Market is accounted for \$65135.22 million in 2025 and is expected to reach \$149480.54 million by 2032 growing at a CAGR of 12.6% during the forecast period. Industrial and commercial LED lighting encompasses advanced, energy saving illumination systems tailored for business and industrial settings. In industrial contexts such as factories, warehouses, and production plants LED solutions emphasize robustness, high brightness, and resilience to demanding conditions. In commercial spaces like offices, retail outlets, hospitality venues, and public areas, the focus shifts to visual appeal, comfort, and functionality. Both applications harness LED technology to cut energy use, reduce upkeep, and deliver reliable, high-quality light suited to specific operational requirements.

According to recent updates from the U.S. Department of Energy and utility reports, commercial lighting accounts for nearly 20% of total energy consumption in buildings, prompting large-scale adoption of LED systems to lower operational costs and meet energy compliance requirements.

Market Dynamics:

Driver:

Energy efficiency & lower operating costs

Industrial and commercial LED lighting is increasingly adopted as businesses prioritize energy efficiency to meet sustainability goals and reduce operational expenses. Advances in semiconductor technology have improved lumen output per watt, enabling higher brightness with lower power consumption. Long product life-spans reduce replacement frequency, cutting maintenance costs for large-scale facilities. Integration with building automation systems allows dynamic lighting control, optimizing energy use based on occupancy and daylight levels. Retrofitting older infrastructure with LEDs is becoming more cost-effective due to falling component prices and government incentives. This shift is driving widespread adoption across manufacturing plants, warehouses, offices, and public infrastructure.

Restraint:

Voltage sensitivity and temperature dependency

Despite their advantages, LED lighting systems can be sensitive to voltage fluctuations, which may impact performance and lifespan in industrial environments. Extreme temperatures, particularly in manufacturing or outdoor applications, can degrade LED efficiency and cause premature failures without proper thermal management. High-quality drivers and heat dissipation technologies are essential but can increase upfront costs. In regions with unstable power grids, additional investment in surge protection and voltage regulation is often required. These technical constraints can slow adoption in certain geographies or sectors with harsh operating conditions.

Opportunity:

Rise of smart and IoT-enabled lighting

The rapid adoption of smart and IoT-enabled lighting systems is opening new growth avenues in the industrial and commercial LED market. Connected lighting platforms allow remote monitoring, predictive maintenance, and integration with energy management systems. Emerging technologies such as Li-Fi, occupancy sensors, and AI-driven lighting optimization are enhancing operational efficiency and user experience. Cloud-based analytics enable facility managers to track energy consumption patterns and automate adjustments in real time. These capabilities are particularly valuable for large-scale commercial complexes, logistics hubs, and smart city projects. As IoT infrastructure expands, demand for intelligent LED lighting solutions is expected to accelerate significantly.

Threat:

Vulnerability to cyber-security threats

The increasing connectivity of LED lighting systems introduces potential cybersecurity risks for industrial and commercial facilities. IoT-enabled fixtures and control platforms can be exploited as entry points for network breaches if not properly secured. Cyberattacks could disrupt lighting operations, compromise building management systems, or expose sensitive operational data. The complexity of integrating lighting with other smart infrastructure increases the need for robust encryption, authentication, and regular software updates. Regulatory bodies are beginning to set cybersecurity standards for connected devices, adding compliance requirements for manufacturers and operators.

Covid-19 Impact

The COVID-19 pandemic initially slowed the industrial and commercial LED lighting market due to project delays, supply chain disruptions, and reduced construction activity. However, the crisis also accelerated interest in energy-efficient retrofits as businesses sought cost savings in uncertain economic conditions. Demand for human-centric lighting and UV-C disinfection systems grew in healthcare, retail, and office environments. Remote commissioning and cloud-based lighting control gained traction as facility managers adapted to limited on-site access. As economies reopened, pent-up demand and stimulus-backed infrastructure projects reignited market growth.

The luminaires segment is expected to be the largest during the forecast period

The luminaires segment is expected to account for the largest market share during the forecast period, driven by the demand for integrated, ready-to-install lighting solutions in commercial and industrial spaces. Technological advancements have led to more efficient optical designs, improved thermal management, and enhanced aesthetics. Luminaires are increasingly designed with smart controls, enabling seamless integration into building management systems. Their versatility across indoor, outdoor, and architectural applications makes them a preferred choice for large-scale projects. Energy codes and green building certifications are further boosting adoption of high-performance luminaires. Continuous innovation in form factors and materials is expected to sustain their leadership in the market.

The commercial segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the commercial segment is predicted to witness the highest growth rate, fueled by rapid urbanization, expansion of retail and office spaces, and modernization of hospitality infrastructure. Smart lighting solutions are being deployed to enhance customer experience, improve employee productivity, and reduce energy costs. Integration with IoT platforms allows real-time monitoring and adaptive lighting based on occupancy and daylight. Government incentives for energy-efficient upgrades are encouraging retrofits in malls, hotels, and corporate campuses. The shift toward flexible workspaces and wellness-focused environments is driving demand for tunable white and human-centric lighting.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share supported by rapid industrialization, urban infrastructure development, and strong manufacturing capabilities. Countries like China, Japan, and South Korea are leading in both production and adoption of advanced LED technologies. Government-led energy efficiency programs and smart city initiatives are accelerating large-scale deployments. The region's robust supply chain and competitive manufacturing costs make it a global hub for LED exports. Expanding commercial real estate and industrial facilities are further boosting demand for high-performance lighting solutions. With sustained investment in technology and infrastructure, Asia Pacific will remain the anchor region for market growth.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by aggressive adoption of smart and connected lighting systems in commercial and industrial facilities. Strong regulatory frameworks promoting energy efficiency and carbon reduction are accelerating retrofits and new installations. The region is witnessing rapid integration of lighting with IoT, AI, and building automation platforms. High-profile infrastructure modernization projects, such as large-scale streetlight conversions, are showcasing significant energy savings and ROI. Growing emphasis on workplace wellness and human-centric lighting is influencing design and procurement decisions. With a mature technology ecosystem and strong innovation pipeline, North America is emerging as a key growth engine for the sector.

Key players in the market

Some of the key players profiled in the Industrial & Commercial Led Lighting Market include Signify N.V., Schneider Electric SE, Acuity Brands, Inc., Panasonic Corporation, Hubbell Incorporated, Havells India Ltd., Zumtobel Group AG, GE Current, Dialight plc, Osram Licht AG, Cree Lighting, Eaton Corporation plc, WAC Lighting, Wipro Lighting Limited, and Siteco GmbH.

Key Developments:

In August 2025, Schneider Electric announced the signing of a long-term framework agreement with E.ON, one of Europe's largest energy companies. This strategic partnership marks a significant step forward in the deployment of sustainable and digital-ready energy infrastructure across Europe. Schneider Electric will support E.ON's ambitious goals with its latest SF6-free medium-voltage (MV) switchgear and a suite of digital technologies.

In May 2025, Signify announced that it has strengthened its circular lighting portfolio with the launch of Europe's first LED tube made with recycled plastic. Furthermore, as part of the Signify Sustainable Packaging requirements, the packaging is made from 80% recycled paper. Available for the first time on the mainstream market in Europe, the full range of MASTER T8 EM/mains will be upgraded to using PCR plastics and will also be available in ASEAN, Indonesia and Greater China markets.

Product Types Covered:

Lamps

Luminaires

Other Product Types

Installation Types Covered:

New Installation

Retrofit / Replacement

Technologies Covered:

Standard LED Lighting

Smart & Connected LED Lighting

Distribution Channels Covered:

Direct Sales

Indirect Sales

Applications Covered:

Indoor

Outdoor

End Users Covered:

Industrial

Commercial

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Technology Analysis
- 3.8 Application Analysis
- 3.9 End User Analysis
- 3.10 Emerging Markets
- 3.11 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants

4.5 Competitive rivalry

5 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY PRODUCT TYPE

5.1 Introduction

5.2 Lamps

5.2.1 LED Bulbs

5.2.2 LED Tubes

5.2.3 Retrofit Lamps

5.3 Luminaires

5.3.1 High Bay & Low Bay Fixtures

5.3.2 Downlights & Spotlights

5.3.3 Floodlights

5.3.4 Panel & Troffer Lights

5.3.5 Street & Area Lights

5.4 Other Product Types

6 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY INSTALLATION TYPE

6.1 Introduction

6.2 New Installation

6.3 Retrofit / Replacement

7 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY TECHNOLOGY

7.1 Introduction

7.2 Standard LED Lighting

7.3 Smart & Connected LED Lighting

7.3.1 IoT Enabled Fixtures

7.3.2 Sensor Integrated Systems

7.3.3 Wireless Control & Automation

8 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY DISTRIBUTION CHANNEL

8.1 Introduction

8.2 Direct Sales

8.3 Indirect Sales

8.3.1 Wholesalers & Distributors

8.3.2 Electrical Contractors & Integrators

8.3.3 Retail & E Commerce

9 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY APPLICATION

9.1 Introduction

9.2 Indoor

9.2.1 Manufacturing Facilities

9.2.2 Healthcare Facilities

9.2.3 Warehouses & Logistics Centers

9.2.4 Offices

9.2.5 Retail Stores & Shopping Malls

9.2.6 Educational Institutions

9.2.7 Hospitality

9.3 Outdoor

9.3.1 Parking Lots & Garages

9.3.2 Street & Roadway Lighting

9.3.3 Industrial Yards & Ports

9.3.4 Stadiums & Sports Complexes

10 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY END USER

10.1 Introduction

10.2 Industrial

10.2.1 Manufacturing

10.2.2 Oil & Gas

10.2.3 Mining & Construction

10.3 Commercial

10.4 Other End Users

11 GLOBAL INDUSTRIAL & COMMERCIAL LED LIGHTING MARKET, BY GEOGRAPHY

11.1 Introduction

11.2 North America

11.2.1 US

11.2.2 Canada

11.2.3 Mexico

11.3 Europe

11.3.1 Germany

11.3.2 UK

11.3.3 Italy

11.3.4 France

11.3.5 Spain

11.3.6 Rest of Europe

11.4 Asia Pacific

11.4.1 Japan

11.4.2 China

11.4.3 India

11.4.4 Australia

11.4.5 New Zealand

11.4.6 South Korea

11.4.7 Rest of Asia Pacific

11.5 South America

11.5.1 Argentina

11.5.2 Brazil

11.5.3 Chile

11.5.4 Rest of South America

11.6 Middle East & Africa

11.6.1 Saudi Arabia

11.6.2 UAE

11.6.3 Qatar

11.6.4 South Africa

11.6.5 Rest of Middle East & Africa

12 KEY DEVELOPMENTS

12.1 Agreements, Partnerships, Collaborations and Joint Ventures

12.2 Acquisitions & Mergers

12.3 New Product Launch

12.4 Expansions

12.5 Other Key Strategies

13 COMPANY PROFILING

- 13.1 Signify N.V.
- 13.2 Schneider Electric SE
- 13.3 Acuity Brands, Inc.
- 13.4 Panasonic Corporation
- 13.5 Hubbell Incorporated
- 13.6 Havells India Ltd.
- 13.7 Zumtobel Group AG
- 13.8 GE Current
- 13.9 Dialight plc
- 13.10 Osram Licht AG
- 13.11 Cree Lighting
- 13.12 Eaton Corporation plc
- 13.13 WAC Lighting
- 13.14 Wipro Lighting Limited
- 13.15 Siteco GmbH

List Of Tables

LIST OF TABLES

- Table 1 Global Industrial & Commercial Led Lighting Market Outlook, By Region (2024-2032) (\$MN)
- Table 2 Global Industrial & Commercial Led Lighting Market Outlook, By Product Type (2024-2032) (\$MN)
- Table 3 Global Industrial & Commercial Led Lighting Market Outlook, By Lamps (2024-2032) (\$MN)
- Table 4 Global Industrial & Commercial Led Lighting Market Outlook, By LED Bulbs (2024-2032) (\$MN)
- Table 5 Global Industrial & Commercial Led Lighting Market Outlook, By LED Tubes (2024-2032) (\$MN)
- Table 6 Global Industrial & Commercial Led Lighting Market Outlook, By Retrofit Lamps (2024-2032) (\$MN)
- Table 7 Global Industrial & Commercial Led Lighting Market Outlook, By Luminaires (2024-2032) (\$MN)
- Table 8 Global Industrial & Commercial Led Lighting Market Outlook, By High Bay & Low Bay Fixtures (2024-2032) (\$MN)
- Table 9 Global Industrial & Commercial Led Lighting Market Outlook, By Downlights & Spotlights (2024-2032) (\$MN)
- Table 10 Global Industrial & Commercial Led Lighting Market Outlook, By Floodlights (2024-2032) (\$MN)
- Table 11 Global Industrial & Commercial Led Lighting Market Outlook, By Panel & Troffer Lights (2024-2032) (\$MN)
- Table 12 Global Industrial & Commercial Led Lighting Market Outlook, By Street & Area Lights (2024-2032) (\$MN)
- Table 13 Global Industrial & Commercial Led Lighting Market Outlook, By Other Product Types (2024-2032) (\$MN)
- Table 14 Global Industrial & Commercial Led Lighting Market Outlook, By Installation Type (2024-2032) (\$MN)
- Table 15 Global Industrial & Commercial Led Lighting Market Outlook, By New Installation (2024-2032) (\$MN)
- Table 16 Global Industrial & Commercial Led Lighting Market Outlook, By Retrofit / Replacement (2024-2032) (\$MN)
- Table 17 Global Industrial & Commercial Led Lighting Market Outlook, By Technology (2024-2032) (\$MN)
- Table 18 Global Industrial & Commercial Led Lighting Market Outlook, By Standard

LED Lighting (2024-2032) (\$MN)

Table 19 Global Industrial & Commercial Led Lighting Market Outlook, By Smart & Connected LED Lighting (2024-2032) (\$MN)

Table 20 Global Industrial & Commercial Led Lighting Market Outlook, By IoT Enabled Fixtures (2024-2032) (\$MN)

Table 21 Global Industrial & Commercial Led Lighting Market Outlook, By Sensor Integrated Systems (2024-2032) (\$MN)

Table 22 Global Industrial & Commercial Led Lighting Market Outlook, By Wireless Control & Automation (2024-2032) (\$MN)

Table 23 Global Industrial & Commercial Led Lighting Market Outlook, By Distribution Channel (2024-2032) (\$MN)

Table 24 Global Industrial & Commercial Led Lighting Market Outlook, By Direct Sales (2024-2032) (\$MN)

Table 25 Global Industrial & Commercial Led Lighting Market Outlook, By Indirect Sales (2024-2032) (\$MN)

Table 26 Global Industrial & Commercial Led Lighting Market Outlook, By Wholesalers & Distributors (2024-2032) (\$MN)

Table 27 Global Industrial & Commercial Led Lighting Market Outlook, By Electrical Contractors & Integrators (2024-2032) (\$MN)

Table 28 Global Industrial & Commercial Led Lighting Market Outlook, By Retail & E Commerce (2024-2032) (\$MN)

Table 29 Global Industrial & Commercial Led Lighting Market Outlook, By Application (2024-2032) (\$MN)

Table 30 Global Industrial & Commercial Led Lighting Market Outlook, By Indoor (2024-2032) (\$MN)

Table 31 Global Industrial & Commercial Led Lighting Market Outlook, By Manufacturing Facilities (2024-2032) (\$MN)

Table 32 Global Industrial & Commercial Led Lighting Market Outlook, By Healthcare Facilities (2024-2032) (\$MN)

Table 33 Global Industrial & Commercial Led Lighting Market Outlook, By Warehouses & Logistics Centers (2024-2032) (\$MN)

Table 34 Global Industrial & Commercial Led Lighting Market Outlook, By Offices (2024-2032) (\$MN)

Table 35 Global Industrial & Commercial Led Lighting Market Outlook, By Retail Stores & Shopping Malls (2024-2032) (\$MN)

Table 36 Global Industrial & Commercial Led Lighting Market Outlook, By Educational Institutions (2024-2032) (\$MN)

Table 37 Global Industrial & Commercial Led Lighting Market Outlook, By Hospitality (2024-2032) (\$MN)

Table 38 Global Industrial & Commercial Led Lighting Market Outlook, By Outdoor (2024-2032) (\$MN)

Table 39 Global Industrial & Commercial Led Lighting Market Outlook, By Parking Lots & Garages (2024-2032) (\$MN)

Table 40 Global Industrial & Commercial Led Lighting Market Outlook, By Street & Roadway Lighting (2024-2032) (\$MN)

Table 41 Global Industrial & Commercial Led Lighting Market Outlook, By Industrial Yards & Ports (2024-2032) (\$MN)

Table 42 Global Industrial & Commercial Led Lighting Market Outlook, By Stadiums & Sports Complexes (2024-2032) (\$MN)

Table 43 Global Industrial & Commercial Led Lighting Market Outlook, By End User (2024-2032) (\$MN)

Table 44 Global Industrial & Commercial Led Lighting Market Outlook, By Industrial (2024-2032) (\$MN)

Table 45 Global Industrial & Commercial Led Lighting Market Outlook, By Manufacturing (2024-2032) (\$MN)

Table 46 Global Industrial & Commercial Led Lighting Market Outlook, By Oil & Gas (2024-2032) (\$MN)

Table 47 Global Industrial & Commercial Led Lighting Market Outlook, By Mining & Construction (2024-2032) (\$MN)

Table 48 Global Industrial & Commercial Led Lighting Market Outlook, By Commercial (2024-2032) (\$MN)

Table 49 Global Industrial & Commercial Led Lighting Market Outlook, By Other End Users (2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

I would like to order

Product name: Industrial & Commercial Led Lighting Market Forecasts to 2032 – Global Analysis By Product Type (Lamps, Luminaires, and Other Product Types), Installation Type, Technology, Distribution Channel, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/I308AA641669EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/I308AA641669EN.html>