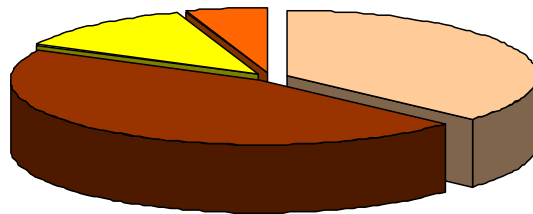


## Announcement

# Global LED General Lighting Market Forecast 2017-2027



**Market Research Study Release Date: June 4, 2018**





## **Global LED General Lighting Market Forecast 2017-2027**

Study Release: June 4, 2018  
Text Pages: 214 pages – PDF  
Excel File: Market Forecast Database  
Fee: USD 2400 Files sent by E-mail

One-Fee Policy: all employees of the client company/organization may use the report, worldwide

### **10-Year Market Forecast**

This report provides estimates and forecasts, based on market research study work performed by ElectroniCast Consultants.

General Lighting Definition – lighting that is used to provide the main illumination of an area. The ElectroniCast definition of General Lighting also includes directional and supplementary lighting.

The LED-based lighting covered in this study is used in fixtures in stationary/fixed locations (non-vehicle or non-portable) General Lighting applications; the lighting (lamps and PCB/printed circuit boards with driver), which are used in new fixtures or retrofitting/replacement of existing (installed-based) lighting.

### **Market Dynamics**

The study process by ElectroniCast Consultants considers the following points:

- Standards on or related to LED lighting (including general regulations & standards, environmental issues etc.)
- Policies and schemes for promoting the penetration of LED lighting
- Industry trends in LED lighting fixtures
- Distribution Channel (DIY stores, other stores, Web-based, other)
- LED Lighting industry competitive environment
- The use of LED lamps for Intelligent Lighting / Internet of Things (IoT)

LED Level Quantified in the ElectroniCast Study Below, are four levels (or “food chain”) pertaining to the LED marketplace. For the purposes of this ElectroniCast study, we quantify and provide a market forecast for “Level 3”

Level 1 - The chip or die

Level 2 - The LED component (packaged LED) or other components

**Level 3 – Lamps, complete LED-equipped PCB, or Module**

Level 4 – Luminaire (light fixture/lamp holder/including lamp/s)

### Market Forecast, by Product Type

This market forecast is presented for eight (8) major product categories.

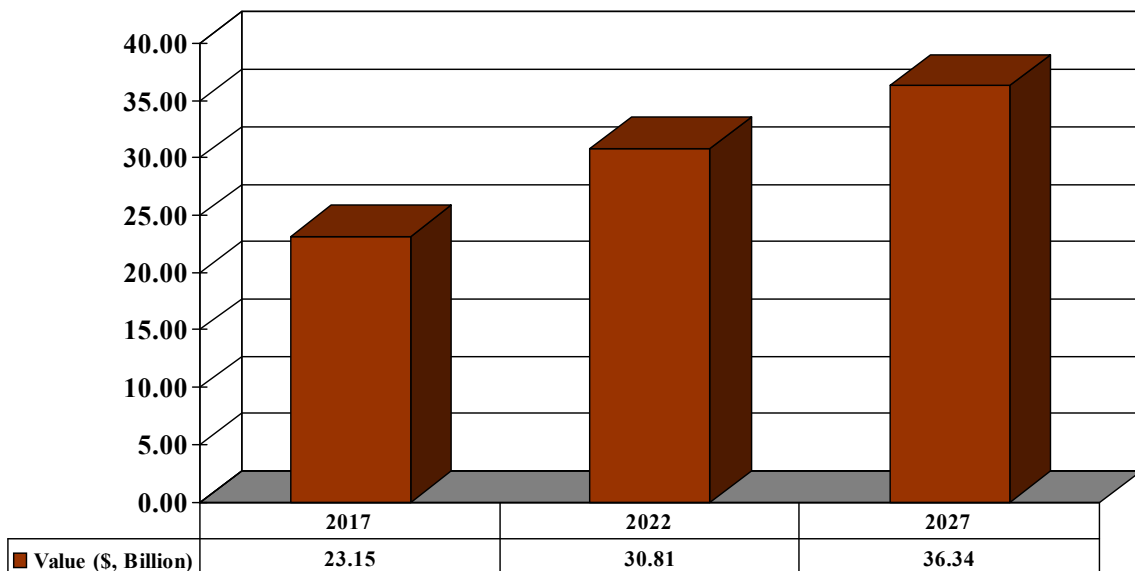
Total Consumption: LED Lighting at Summary-Level

- Parabolic aluminized reflector (PAR)
- General Service (A-Type Bulb: A-19/A-21); including filament-type style
- Decorative Types: Candle, Fancy Round; including filament-type style
- Multifaceted reflector (MR) Compatible
- Linear Tube or Other Linear with Embedded Diffuser
- Street / Parking-lot / Campus / Similar (Parks, Walkways)
- High Bay/Flood/Stadium ( $\geq 2500\text{Lm}$ )
- Miscellaneous: Complete LED-equipped PCB with Driver

**Market Forecast**

The global consumption value of specified LED lamps used in General Lighting, reached an estimated \$23.15 billion in 2017. The consumption value of General Lighting LED Lamps is forecasted to increase to \$30.81 billion in 2022, and eventually reaching \$36.34 billion in 2027. Market forecast data in this study report refers to consumption (use) for a particular calendar year; therefore, this data is not cumulative data.

**LED Lamps Used in General Lighting - Global Market Forecast (\$ Billion)**  
**Source: ElectroniCast Consultants**



All values and prices in this report are at factory as-shipped levels, and are in current dollars, which include the effect of a forecasted 5 percent annual inflation rate over the forecast period.

**Market Forecast, By Region**      The market data estimates and forecasts are segmented into the following county/other counties; separate data-sheets are provided for the following:

- Global
  - America
  - Europe, Middle East, Africa (EMEA)
  - Asia Pacific (APAC)

Market Forecast, By Function This report provides the 2017-2027 market data review estimate and forecast by the following functions:

- Consumption Value
- Quantity (number/units)
- Average Selling Prices

The consumption (use) value is determined by multiplying the number of lighting units by the average selling price (ASP) in US Dollars. The estimated average selling prices are not retail prices; the prices are based on the price of the LED product at the initial factory level. These are the original manufacturer's ("factory") prices invoiced to the first (original) customer, or transfer prices for internal (captive) production.

### Market Research Methodology

Market analysis and technology forecasting are complex tasks. Any predictions of the shape and trends of technology and economic movement start from the notion that the germ of what will be important tomorrow is present, although smaller or larger or in a different form, in our environment today. However, taking as a basis for a prediction the assumptions of current, conventional belief creates a set of preconceived notions that can lead to serious mistakes. ElectroniCast, instead, looks to the basic driving forces.

### Information Base

During the market research process, ElectroniCast analysts performed interviews with selected authoritative and representative individuals in the LED and lighting industry, plus – R&D and factory/manufacturing, from the standpoint of both suppliers and users of LED and lighting illumination products. The interviews were conducted principally with:

- Architectural lighting Designers/Installers concerns, Engineers, marketing personnel and management at manufacturers of LED lighting and related equipment, as well as other lighting technologies.
- Design group leaders, engineers, marketing personnel and market planners at major users and potential users of LEDs and lighting
- Other industry experts, including those focused on standards activities, trade associations, government and investments.

The interviews covered issues of technology, R&D support, pricing, contract size, reliability, documentation, installation/maintenance crafts, standards, supplier competition and other topics.

## **About ElectroniCast**

ElectroniCast, founded in 1981, specializes in forecasting technology and global market trends in light emitting diodes used in lighting, as well providing market data on fiber optics communication components and devices,

As an independent consultancy we offer multi-client and custom market research studies to the world's leading companies based on comprehensive, in- depth analysis of quantitative and qualitative factors. This includes technology forecasting, markets and applications forecasting, strategic planning, competitive analysis, customer-satisfaction surveys and marketing/sales consultation. ElectroniCast, founded as a technology-based independent consulting firm, meets the information needs of the investment community, industry planners and related suppliers.

## **Proprietary Statement**

All data and other information contained in this data base are proprietary to ElectroniCast and may not be distributed or provided in either original or reproduced form to anyone outside the client's internal employee organization, without prior written permission of ElectroniCast.

ElectroniCast, in addition to multiple-client programs, conducts proprietary custom studies for single clients in all areas of management planning and interest. Other independent consultants, therefore, are considered directly competitive. ElectroniCast proprietary information may not be provided to such consultants without written permission from ElectroniCast Consultants.

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    - Bridgelux, Inc.
    - Citizen Electronics Company, Limited
    - Cortem S.p.A.
    - Cree, Inc. (Cree LED Lighting - Cree Bulb)
    - Darmon Tech Co., Ltd. (Dianming)
    - Dialight
    - Dominant Opto Technologies Sdn. Bhd.
    - Dow Corning Electronics (Dow)
    - Eaton Corporation plc (Cooper Lighting)
    - ECO Lighting Solutions (See: Horner Lighting Group)
    - EcoSense Lighting
    - Energy Focus, Inc.
    - Epistar Corporation
    - Everlight Electronics Company Limited
    - Feit Electric
    - FLEx Lighting
    - Flex LTD.
    - General Electric Company (GE)
    - GlacialLight Inc.
    - GuangZhou Lovely Lighting Co., Ltd
    - Hangzhou z-light Optoelectronic Co., Ltd.
    - Harvatek International
    - High Power Lighting Corp. (HPLighting)
    - Horner Lighting Group (Horner APG, LLC.)
    - Hubbell Lighting Inc.
    - Illumitex Incorporated
    - Independence LED Lighting, LLC
    - Intematix Corporation
    - Independence LED Lighting, LLC
    - Intematix Corporation
    - Kenall Manufacturing Company
    - LED-LS (Latin America)
    - LED Roadway Lighting Ltd.
    - LEDtronics®
    - LEISO Lighting (DongGuan) Tech., Ltd.
    - Lextar Electronics (AU Optronics)

LG Innotek  
 LSI Industries Inc.  
 Luming Technology Group Co., Ltd.  
 Luminus Devices  
 Nichia Corporation  
 Nualight  
 OPPLE - Latin America  
 OSRAM  
 Panasonic Corporation  
 Philips – (Signify Holding)  
 Revolution Lighting Technologies, Inc. (TNT Energy)  
 Ricoh Company, Ltd.  
 ROHM Company, Ltd.  
 Samsung Electronics Co., Ltd.  
 Schröder Group  
 SemiLEDs Corporation  
 Senslite Corporation  
 Seoul Semiconductor  
 Sharp Microelectronics, Sharp Devices  
 Sheenly Lighting Co. Ltd  
 Shenzhen Bang-Bell Electronics Co., Ltd.  
 SloanLED  
 Stanley Electric Co., Ltd.  
 Surya Roshni Limited, India (Surya)  
 Tech Lighting (Generation Brands)  
 Thorn Lighting (Zumtobel Group)  
 Toshiba Lighting & Technology Corporation  
 Toyoda Gosei Co., Ltd  
 Unity Opto Technology  
 Vexica (The Vexica Group Limited)  
 Viribright Lighting Inc. (subsidiary of Matrix Lighting Inc.)  
 WyndSOR Lighting LLC  
 Xicato  
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