

Announcement

LED Lighting in Public Transportation Vehicles Global Market Forecast & Analysis 2017-2024



Study Release Date: April 2018



LED Lighting in Public Transportation Vehicles Global Market Forecast & Analysis (2017-2024)

Published: April 6, 2018
Text Pages: 203 pages – PDF
Also Included: Excel File and PowerPoint File
Fee: \$2,990

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7-Year Market Forecast

This is the ElectroniCast analysis and forecast of global market consumption of light emitting diode-based lamps and related devices used in public transportation vehicles. For the purposes of this study, ElectroniCast defines public transportation as a shared passenger transportation service, which is available for use by the general public. Public transportation vehicles, included in this study, are listed below. Note: aircraft and taxis are not included in this analysis.

The LED lighting public transportation vehicles global market is segmented into the following vehicle (type) categories and sub-categories:

- Bus
 - Interior
 - Exterior
- Rail and Rapid Transit Vehicles
 - Light-Rail, Tram/Trolley/Streetcar
 - Interior
 - Exterior
 - Rapid Transit/Metro and Subway/Underground
 - Interior
 - Exterior
 - High-Speed, Commuter/Intercity and Long-Distance
 - Interior
 - Exterior
- Watercraft/Ferries
 - Interior
 - Exterior

The market forecast is also segmented into the following product-type:

- LED Linear Lamps (Tubes)
- LED-based Back Light Unit (BLU) Bars for LCD Display Screens
- LED Signage/Destination Sign Board Modules
- Other/Miscellaneous LED Lamps and Luminaries

The consumption value is determined by multiplying the number of units by the average selling price. The average selling prices are based on the price of the LED lamps/devices at the initial factory level. The consumption values are based on the end-user application and the end-user region.

ElectroniCast specializes in forecasting technology and global market trends in electronics, fiber optics, light emitting diodes (LEDs), advanced photonics, integrated circuits, microwave/wireless, and network communications. As an independent consultancy, ElectroniCast offers multi-client and custom market research studies to the world's leading companies based on comprehensive, in-depth analysis of quantitative and qualitative factors.

The product life cycles of high technology electronic products are short, and will continue to shrink. For success, it is vital to target the right products for development and to introduce them to the market at the right time. Decisions on major R&D and facility investments must be made before competitors' products seize the market—and these decisions must be made quickly. ElectroniCast's fast-turn-around analysis and forecasts help you catch the windows of opportunity.

The 2017-2024 market data are segmented into the following geographic regions, plus a Global summary:

- America (North America, Central and South America)
- EMEA (Europe, Middle East, plus Africa)
- APAC (Asia Pacific)

The market forecast data are presented for LED lamps/devices, segmented by the following functions:

- Consumption Value (US\$, million)
- Quantity (number/units)
- Average Selling Prices (ASP \$, each)

This study is based on analysis of information obtained continually over the past several years, but updated through early April 2018. During this period, ElectroniCast analysts performed interviews with selected authoritative and representative individuals in the LED lighting product manufacturing, LCD TV/monitor manufacturing, and advertisement, mass transit authorities, transportation/infrastructure, R&D, display and retail industry, mobile/portable device developers, government, and other. The interviews were conducted principally with:

- Engineers, marketing personnel and management at manufacturers of LEDs (chips, components, lamps and fixtures) and LCD, as well as other technologies.
- Design group leaders, engineers, marketing personnel and market planners at major users and potential users of LEDs.
- Other industry experts, including those focused on standards activities, trade associations, 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.

Selected customers and distributors also were interviewed, to obtain their estimates of quantities received and average prices paid. Customer estimates of historical and expected near term future growth of their application are obtained. Their views of use of new technology products were obtained.

The analyst then considered customer expectations of near term growth in their application, plus forecasted economic payback of investment, technology trends and changes in government regulations and funding/tax-break legislation/rules in each geographical region, to derive estimated growth rates of quantity and price of each product subset in each application. These forecasted growth rates are combined with the estimated baseline data to obtain the long-range forecasts at the lowest detailed level of each product and application.

A full review of published information was also performed to supplement information obtained through interviews. The following sources were reviewed:

- Professional technical journals and papers
- Trade press articles
- Technical conference proceedings
- Product literature
- Company profile and financial information
- Additional information based on previous ElectroniCast market studies
- Personal knowledge of the research team.

In analyzing and forecasting the complexities of the American and other world region markets for light emitting diode products, it is essential that the market research team have a good and a deep understanding of the technology and of the industry. ElectroniCast members who participated in this report were qualified.

Bottom-up Methodology ElectroniCast forecasts are developed initially at the lowest detail level, and then summed to successively higher levels. The background market research focuses on the amount of each type of product used in each application in the base year (last year), and the prices paid at the first transaction from the manufacturer. This forms the base year data. ElectroniCast analysts then forecast the growth rates in component quantity use in each application, along with price trends, based on competitive, economic and technology forecast trends, and apply these to derive long term forecasts at the lowest application levels. The usage growth rate forecasts depend heavily on analysis of overall end user trends toward optical communication equipment usage and economic payback.

About ElectroniCast

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

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.

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- ADDENDUM -

Excel Data Base File - Global Market Forecast

- Detailed Data: ASP (\$, each); Quantity (Million); Value (\$, Million) for all Regions

Power Point File - Market Data Figures (Global Market Forecast)