

NEWS RELEASE



ElectroniCast Consultants

LEDs in Test/Measurement, Medical/Science Market Forecast

According to ElectroniCast, the value of LEDs in Test/Measurement & Medical and other Science devices reached \$345 million in 2016...

Aptos, CA (USA) – April 14, 2017 -- ElectroniCast Consultants, a leading market/technology consultancy, today announced the release of an update and application expansion to their annual market study and forecast of the use of light emitting diodes (LEDs) used in test/measurement, medical and other science devices.

Last year, the global consumption value of packaged LED chips in the selected devices reached \$345 million. The value will continue to increase in most product categories, with strong quantity growth as well, partially offset by a decline of average prices (especially during the 2016-2021 timeframe). Market forecast data refers to LED consumption for a particular calendar year; therefore, this data is not cumulative data.

The market data for are also segmented by the following colors (type): Red, Green, Blue, White, Multiple Color/Multiple Chip, and UV and others.

According to the study, the worldwide value of UV-LED packaged chips used specifically for test/measurement, medical and other science applications is forecast to reach nearly \$330 million in 2026. "Many devices, which have traditionally used mercury (Hg)-vapor Ultraviolet (UV) lamps are now utilizing LEDs, capable of producing UV radiation," said Stephen Montgomery, president of the California-based consultancy.

This LED market study is also segmented into the following major application categories:

- Sensing/Detection and Analytical/Monitoring
- Photo-therapy/Sanitation/Cell Regeneration/Curing
- Instrumentation Light Source and Imaging

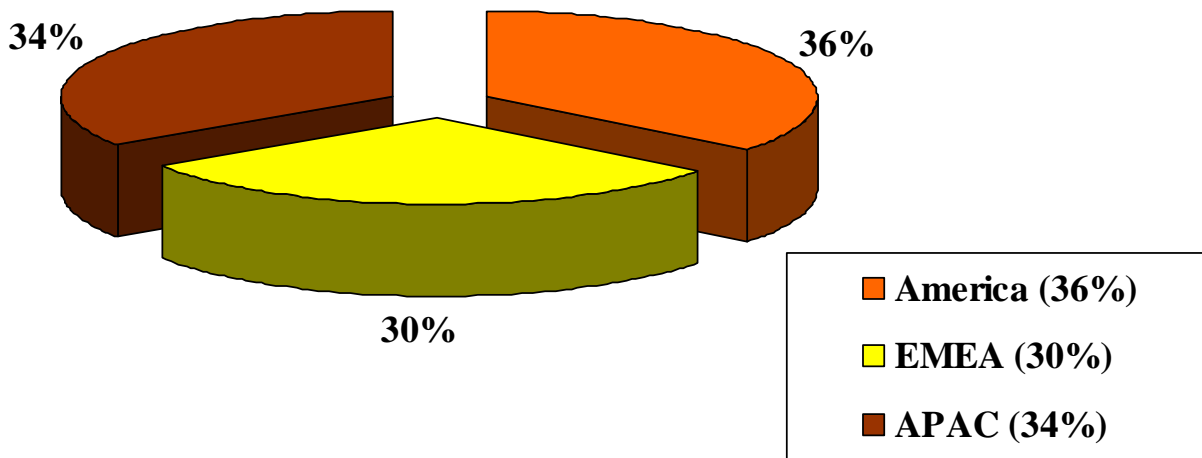
Sensing/Detection and Analytical/Monitoring applications, in 2016, represented 29.5 percent of the worldwide consumption value of packaged LED chips in the selected test/measurement and medical/science devices. In 2021, the relative market share of LEDs used in the Sensing/Detection and Analytical/ Monitoring applications is forecast to increase to 35.3 percent, and increase further in value in 2026.

Also, covered in the study are the use of LEDs in horticulture, sterilization of surface areas, air and water, medical, health & beauty Photodynamic Therapy (PDT), as well as medical/science curing, and several other uses. LEDs used in Instrumentation Light

Sources and Imaging devices are forecast to increase in value by a multiple factor of over 4x over the next 10-years.

This year (2017), the America region is projected to hold a 36% share of worldwide quantity of LEDs in selected test/measurement and medical/science devices. The Europe, Middle East and Africa (EMEA) region is forecast for aggressive growth. “The Asia Pacific region (APAC) is forecast to eventually take-over the lead in relative market share,” Montgomery added.

**LEDs in Test/Measurement and Medical/Science Devices
Global Consumption Projected (2017) Market Share,
By Regional End-use Volume (Quantity/Units)
SOURCE: ElectroniCast Consultants**



This market forecast report is available immediately from ElectroniCast Consultants. For detailed information on this or other services provided by ElectroniCast, please contact Theresa Hosking, Marketing/Sales; thosking@electronicastconsultants.com (Telephone/USA: 831-708-2381)

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