

## NEWS RELEASE



ElectroniCast Consultants

### Polycarbonate in LED Lighting Market Forecast

*The use of polycarbonate in LED lighting reached 123.1 Thousand Tons in 2015.*

**Aptos, CA (USA) – November 17, 2016** -- ElectroniCast Consultants, a leading market forecast firm, today announced the release of their study of the worldwide use of Polycarbonate (PC) in Light Emitting Diode (LED) Lighting. The report provides actual consumption (use) market data for 2015, plus the year-by-year forecast through 2022.

ElectroniCast estimates that 123.09 thousand metric tons (MT) of polycarbonate resin was used in the production of selected piece-parts of LED lamps and luminaires in 2015.

LEDs are used in both functional and decorative light fixtures, with an advantage of energy savings. Compared to incandescent lighting, LED-based solid-state lighting (SSL) delivers visible light with reduced heat. In addition, its solid-state nature provides for greater resistance to shock, vibration, and wear, thereby significantly increasing its lifespan.

“Since the LED light source is very durable and long-lasting (for example 10-years), the piece-parts (components) of the LED lamp and/or luminaire (light fixture) should also be very durable and long-lasting, and polycarbonate is a key material to the success of LED lighting in the marketplace” said Stephen Montgomery, Principal Analyst- LED Group at ElectroniCast.

Piece-parts (components) are used in LED lamps and luminaire (lighting fixtures). The market forecast is presented for the following polycarbonate piece-parts: Lenses/Optics/ Diffusers; Reflectors; Heat Sinks; Housing/Closures; and Lightguides/Other. The study continued to forecast the use of each component-type in various lamps and luminaires, such as LED linear tubes, general service (A19/G60/ Other A-Type), Parabolic aluminized reflector (PAR), Street Lights, and several others.

The study also segments the use of polycarbonate-based LED lighting products in several end-use applications, including: General Lighting; Vehicles; Signage; Portable lighting; and Professional Task Lighting.

“The use of polycarbonate in the General Lighting application was the leader in terms of relative market share last year; however, all of the applications are set for very strong double-digit growth during the forecast period (2015-2022),” Montgomery said.

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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](mailto:thosking@electronicastconsultants.com) (Telephone/USA: 831-708-2381)

Founded in 1981, ElectroniCast specializes in forecasting trends in technology forecasting, markets and applications forecasting, strategic planning and consulting. ElectroniCast Consultants, as a technology-based independent forecasting firm, serves industrial companies, trade associations, government agencies, communications and manufacturing companies, as well as the investment/financial community. Reduction of the risk of major investment decisions is the main benefit provided. ElectroniCast Consultants' goal is to understand the challenges and opportunities facing clients and to provide timely, accurate information for strategic planning. Visit: [www.electronicast.com](http://www.electronicast.com)

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