

Reflective white polycarbonate from Bayer helps Lumenova™ achieve high lumen output for LED reflector lamps

NEW ORLEANS, Oct. 22, 2014 /PRNewswire/ -- Commercial and hospitality spaces, such as stores, restaurants, offices and hotel lobbies, want to appear warm and inviting to consumers. A light and bright atmosphere helps to convey this, but excessive lighting can hike up energy bills.

Lumenova™ R20, BR40 and BR30 reflector lamps are the answer to this dilemma. These lamps are great replacements for inefficient incandescent BR and CFL lamps and are rated with the highest lumen output in their respective categories on the ENERGY STAR certified products list. These lamps provide commercial and hospitality customers with lighting that is bright as well as energy and cost efficient. Makrolon® RW6267X polycarbonate from Bayer MaterialScience LLC helps Lumenova™, a CRS Electronics Company, achieve this.

Makrolon® RW6267X polycarbonate is a flame-retardant, low-viscosity grade that is UL 94 V-0 rated at 1.5 mm. "This is a great, innovative material for Lumenova™'s reflector lamps. Makrolon® RW6267X polycarbonate is a reflective white grade, which allows for high reflectance without the need for metal components in the lamp," says Kevin Dunay, market segment manager, Electrical, IT & Appliance, Polycarbonates – North America, Bayer MaterialScience LLC.

Karen Heroldt, field market development, Bayer MaterialScience LLC, further explains, "The plastic can be injection molded, which imparts greater functionality without the secondary operations associated with a metal part."

Makrolon® RW6267X polycarbonate is utilized in the lamp's optical mixing chamber, the area between the internal LED and the outer lens. "Our design is unique, because we only use the highest-performing materials and components throughout the lamp, therefore enabling the highest efficiency and lumen output," said Scott Riesebosch, chief technology officer, CRS Electronics, Inc. "We chose the Bayer material for its long-term reliability and excellent properties."

Makrolon® polycarbonate's availability and high-performance properties secured its selection by Lumenova™ to replace the original material chosen for the lamps. The Lumenova™ R20, BR40 and BR30 reflector lamps are commercially available in the United States and Canada.

About Bayer MaterialScience LLC:

Bayer MaterialScience LLC is one of the leading producers of high-performance plastics in North America and is part of the global Bayer MaterialScience business with approximately 14,300 employees at 30 production sites around the world and 2013 sales of 11.2 billion euros. Bayer MaterialScience, a Bayer Group company, manufactures high-tech polymer materials and develops innovative solutions for products used in many areas of daily life. The main segments served are the automotive, electrical and electronics, construction, medical, and sports and leisure industries. Sustainability is central to Bayer MaterialScience LLC's business and is based around the key areas of innovation, product stewardship, social responsibility and respect for the environment.

About CRS Electronics:

CRS Electronics, Inc. (TSX-V:LED), has been a leader in the emerging, rapidly-growing market of high efficiency LED lighting for more than 15 years. In addition to cutting edge R&D, exemplified by numerous patents, CRS Electronics designs and manufactures innovative electronics and LED lighting technologies for major customers, as well as its own product brands. CRS Electronics designs, develops and delivers optimal electronics and LED solutions for a myriad of commercial applications.

For more information about Bayer MaterialScience LLC polycarbonate materials and technologies for LEDs, call 1-800-662-2927, email pcinfo@bayer.com or visit www.plastics.bayer.com.

For more information about Lumenova™, call 1-888-224-2880, email info@lumenovaled.com or visit <http://www.lumenovaled.com/>.

Forward-Looking Statements

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