

Press Information

October 09, 2008

Gnatus implements LUXEON LEDs for advanced dental lamp, improving patient care and comfort with pure white light.

Replacing halogen also lowers energy consumption and increases lifetime.

SAN JOSE, CA — Philips Lumileds announced today that Gnatus, a leading dental equipment manufacturer, has released a LUXEON-based dental lamp that is the first in the industry to use solid-state lighting technology. The new Gnatus Dental Lamp LED Plus overcomes the inconveniences associated with conventional halogen models, including short bulb life, high power usage and spillover light that has in some cases prompted dentists to supply patients with sunglasses, while also offering significant advantages for dental care.

Benefits of Gnatus' LUXEON-based dental lamp over halogen alternatives include:

- 40% brighter than halogen products
- 12-25 year life compared to 3-6 months
- 60% reduction in power consumption
- True white light, improving dental diagnosis and resin matching for crowns, veneers and other restorations
- Reduced heat output, eliminating dentist and patient discomfort
- No peripheral light shining in patients' eyes
- Smaller, sleeker design enabled by eliminating the need for large reflector required for halogen product

The entire Gnatus Dental Lamp case study is now available at www.philipslumileds.com/pdfs/CS21.pdf

The illumination from LUXEON LEDs also has less effect on curing light resins, giving dentists more time to do restorative work before the resins harden.

“LUXEON technology has enabled a real advance in the way that patients' mouths are illuminated during dental exams and surgery. Our Dental Light LED Plus has features that simply are not possible with halogen lighting, and that has made it one of the most successful



Gnatus dental lamp with Luxeon LEDs



Gnatus consultorio dental system designed to improve dental care and patient comfort.



products we have ever launched,” said Gnatus CEO Gilberto Nomelini.

The same white light from LUXEON LEDs that works so well in Gnatus’ application is also proving to be the choice for a wide range of indoor and outdoor general lighting applications such as refrigeration, street lamps, recessed lighting and shop lighting.

About Philips Lumileds

Philips Lumileds is the world's leading provider of power LEDs for everyday lighting applications. The company's recent records for light output, efficacy and thermal management are direct results of the ongoing commitment to advancing solid-state lighting technology and enabling lighting solutions that are more environmentally friendly, help reduce CO₂ emissions and reduce the need for power plant expansion. Philips Lumileds' LUXEON LEDs are enabling never before possible applications in the general lighting, automotive, digital imaging, display, and signage markets. More information about the company's LUXEON® LED products and solid-state lighting technologies can be found at www.philipslumileds.com.

About Royal Philips Electronics

Royal Philips Electronics of the Netherlands (NYSE: PHG, AEX: PHI) is a diversified Health and Well-being company, focused on improving people’s lives through timely innovations. As a world leader in healthcare, lifestyle and lighting, Philips integrates technologies and design into people-centric solutions, based on fundamental customer insights and the brand promise of “sense and simplicity”. Headquartered in the Netherlands, Philips employs approximately 133,000 employees in more than 60 countries worldwide. With sales of US\$42 billion (EUR 27 billion) in 2007, the company is a market leader in cardiac care, acute care and home healthcare, energy efficient lighting solutions and new lighting applications, as well as lifestyle products for personal well-being and pleasure with strong leadership positions in flat TV, male shaving and grooming, portable entertainment and oral healthcare. News from Philips is located at www.philips.com/newscenter.

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