

NEW's

Three New QuasarBrite UV LED Wavelengths

PALATINE, IL – Lumex announces the global launch of their QuasarBrite™ UV family of LED technologies. The UV LEDs provide a 10 times longer lifespan, enhanced durability and up to 50% cost savings compared to alternative technologies.

The RoHs compliant [QuasarBrite UV LEDs](#) are available in 385nm, 405nm and 415nm wavelengths at 4-6mW in through-hole format.



QuasarBrite UV technology is ideal for a wide range of applications including:

- ink fluorescing.
- bacterial and superficial sterilization for medical device technologies related to phototherapy, dental, and dermatology equipment;
- industrial control device technology related to leak and biohazard detection;
- forensic applications related to counterfeit detection and forensic analysis of bodily fluids;

“Despite the many benefits of UV LED technology, adoption has been limited in the past due to the fact that the materials used in the epoxy LED lens degraded the lifespan of UV LEDs to less than 5,000 hours,” explained Jeff Oliveros, Director of Engineering at Lumex.

“Replacing the epoxy lenses with a robust TO-46 package with glass lens, QuasarBrite UV LEDs now last at least ten times longer, providing a lifespan of more than 50,000 hours.”

In addition to enhanced life span, QuasarBrite UV LEDs provide several key benefits compared to alternative technologies like CCFLs. QuasarBrite UV LEDs provide a uniform beam pattern. To match this performance CCFLs would require a secondary lens resulting in additional cost and space investment. Additionally, QuasarBrite UV LEDs do not use the hazardous mercury material found in CCFL technology and are more durable in their design, thereby significantly reducing maintenance costs. Finally, Lumex’s UV LEDs have up to 70% lower energy consumption than CCFLs. These factors combined allow Lumex’s QuasarBrite UV LEDs to provide up to a 50% cost savings compared to CCFLs.