

QuasarBrite™

UltraViolet LEDs



QuasarBrite™ UV LEDs Combine Longer Lifespan, Increased Cost Savings and Energy Savings and Superior Light Performance

Lumex's family of UV LEDs offer enhanced durability with their robust TO-46 packaging and glass lens. Through this innovative design, Lumex's UV LEDs experience less degradation over the lifespan of the LED (approximately 50,000 hours), which in turn provides enhanced product performance. Lumex's UV LEDs have up to 70% lower energy consumption than CCFL technology.

Features:

- Available in 355nm, 365nm, 377nm, 385nm, 405nm and 415nm wavelengths at 4-6mW
- Longer lifespan; greater than 50,000 hours
- TO-46 package, with glass lens in a through-hole format
- Custom wavelengths are available

Applications:

- Bacterial and Superficial Sterilization
- Counterfeit detection, photo catalysis
- Biohazard detection

Markets:

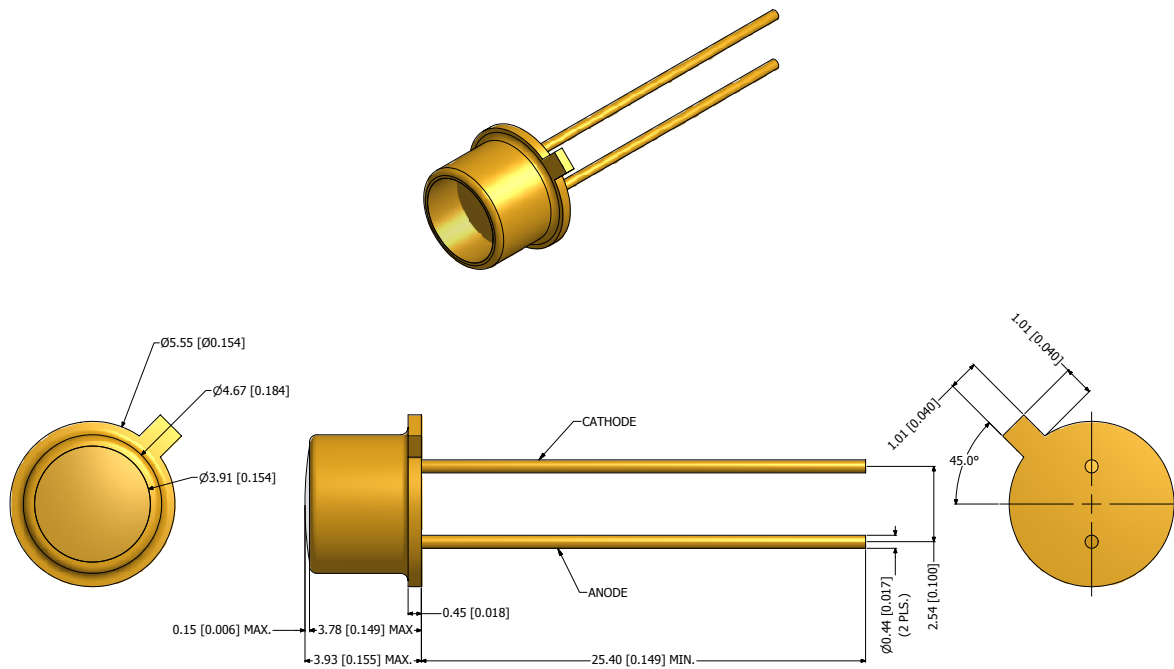
- Medical
- Industrial Controls
- Forensic Applications
- Test & Measurement
- Security

LUMEX®
Creating LED and LCD Solutions Together™

QuasarBrite™ UV LED SSL-LXTO46 Series

QuasarBrite UV LED SSL-LXTO46xxx Series

| PN | Emitted Color | Chip Material | Peak Wavelength (nm) | Lens Type | Typ. Vf | I _f (mA) | Typ. Power Output @ 20mA |
|----------------|---------------|---------------|----------------------|-------------------|---------|---------------------|--------------------------|
| SSL-LXTO46355C | Ultra Violet | InGaN | 355 | Water Clear Glass | 3.6 | 20.0 | 0.3 mW |
| SSL-LXTO46365C | Ultra Violet | InGaN | 365 | Water Clear Glass | 3.6 | 20.0 | 0.4 mW |
| SSL-LXTO46375C | Ultra Violet | InGaN | 377 | Water Clear Glass | 3.6 | 20.0 | 1.3 mW |
| SSL-LXTO46UV1C | Ultra Violet | InGaN | 385 | Water Clear Glass | 3.3 | 20.0 | 4.0 mW |
| SSL-LXTO46UV2C | Ultra Violet | InGaN | 405 | Water Clear Glass | 3.7 | 20.0 | 6.0 mW |
| SSL-LXTO46UV3C | Ultra Violet | InGaN | 415 | Water Clear Glass | 3.3 | 20.0 | 6.0 mW |



CLICK HERE to learn more about how Lumex's QuasarBrite™ UV LED Technology is overcoming design challenges faced in the marketplace today.

