

# LUMINUS

## UVC and UVA LEDs

### DISINFECTION • STERILIZATION • CURING • 3D-PRINTING • LIFE SCIENCES

Luminus UVA and UVC LEDs offer an extensive range of power, wavelength and package options to address a wide variety of applications.

Luminus UVC LEDs are designed for applications such as sterilization of medical devices, water and air purification, and surface disinfection. The 275-285 nm LEDs range in power outputs from 3 mW to 100 mW.

Luminus UVA LEDs are used in demanding applications such as curing, 3D Printing and medical endoscopy. The 365-405 nm LEDs are available in SMT and coreboard packages, with power outputs ranging from 1 W-30 W.

#### DISINFECTION & STERILIZATION

- Air Purification
- Water Purification
- Surface Disinfection
- Medical Device Sterilization
- Appliance Sterilization
- Food & Beverage Preparation

#### UV CURING

- Printing
- Coatings
- Adhesives
- Packaging

#### 3D PRINTING, ADDITIVE MANUFACTURING & INDUSTRIAL

- 3D Printing
- Machine Vision
- Maskless Lithography
- Scientific Instrumentation
- Curing
- Fluorescence Imaging

#### MEDICAL & LIFE SCIENCES

- Endoscopy
- Fluorescence Microscopy & Imaging
- Microscopy & Instrumentation

#### FEATURES & BENEFITS

##### UVC

- Wavelengths: 275-285 nm.
- Up to 100 mW of UVC output per package.
- Narrow (60°) and wide (130°) viewing angle packages for directional applications and flood exposure.

##### UVA


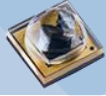

- UVA wavelengths: 365 nm, 385 nm, 395 nm, and 405 nm.
- Optical power output from <1 W to 30 W.
- Superior thermal management.



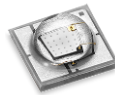



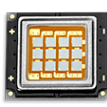

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## UVC and UVA LEDs

### UV-C PRODUCT PORTFOLIO

Product Image	Product Family	Peak Wavelength	Package	Max Drive Current	Optical Power at Max Drive Current
	XBT-1313-UV	280-285 nm	SMT 1.3 mm x 1.3 mm	40mA	3.5 mW - 7 mW
	XST-3535-UV	275-285 nm	SMT 3.5 mm x 3.5 mm	800 mA	80 mW - 110 mW
	XBT-3535-UV	275-285 nm	SMT 3.5 mm x 3.5 mm	800 mA	70 mW - 100 mW

### UV-A PRODUCT PORTFOLIO

Product Image	Product Family	Peak Wavelength	Package	Max Drive Current	Optical Power at Max Drive Current
	SST-10-UV	365 nm 385 nm 395 nm 405 nm	SMT 3.45 mm x 3.45 mm	1.0 A	1.3 W - 1.6 W 2.5 W - 2.7 W 2.5 W - 2.7 W 2.2 W - 2.5 W
	CBT-39-UV	405 nm	MCPCB 26.5 mm x 16.0 mm	6.0 A	4.0 W to 8.0 W
	CBM-40-UV	365 nm 385 nm 405 nm	MCPCB 26.5 mm x 16.0 mm	6.0 A 8.0 A 8.0 A	3.3 W - 3.7 W 10.8 W - 11.5 W 9.2 W - 9.9 W
	CBT-90-UV	405 nm 415 nm	MCPCB 28.0 mm x 26.75 mm	27.0 A	22.5 W - 30.0 W
	SBM-120-UV	365 nm 385 nm 395 nm 405 nm	SMT 11.0 mm x 10.0 mm	4.5 A 6.0 A 6.0 A 6.0 A	14.0 W - 17.5 W 27.2 W - 32.9 W 27.2 W - 32.9 W 24.8 W - 29.9 W
	CBM-120-UV	365 nm 385 nm 405 nm	MCPCB 28.0 mm x 26.75 mm	24.0 A	16.4 W - 19.8 W 29.9 W - 32.9 W 27.2 W - 29.9 W