

LUMINUS ULTRAVIOLET

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

Luminus UV-A and UV-C LEDs are ultra high-power and designed for demanding industrial, 3D Printing, curing, and healthcare and medical applications. A complete portfolio of multiple wavelength options, package options including SMT and Coreboard, and a power options from 3W to over 30 W of output power make Luminus UV LEDs the first choice for ultraviolet applications.

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

MEDICAL & LIFE SCIENCES

- Endoscopy
- Fluorescence Microscopy & Imaging
- Microscopy & Instrumentation

FEATURES & BENEFITS

- UV-A wavelengths: 365nm, 385nm, 395nm, 405nm and 420nm.
- UV-C wavelength: 280nm.
- UV-C disinfection power up to 60 mW.
- Power options from 3mW to over 30W.
- Low profile un-encapsulated die, packaged encapsulated emitters and modules.
- High conductivity copper coreboard and ceramic packages.
- Superior thermal management.
- High power density $>20\text{W}/\text{cm}^2$




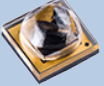


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UV-A PRODUCT PORTFOLIO

Product Image	Product Family	Peak Wavelength	Package	Max Drive Current	Optical Power
	SST-10-UV	365 nm 385 nm 395 nm 405 nm	SMT 3.45 mm x 3.45 mm	1.0 A	0.7 W to 0.9 W (0.5 A) 0.9 W to 1.2 W (0.5A) 0.9 W to 1.2 W (0.5A) 0.8 W to 1.0 W (0.5A)
	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	3.0 W to 5.0 W (3 A) 4.0 W to 6.0 W (3 A) 4.0 W to 6.0 W (3 A)
	CBM-80-UV	405 nm	MCPCB 28.0 mm x 26.5 mm	16.0 A	8.0 W to 11.0 W (6A)
	CBT-90-UV	405 nm	MCPCB 28.0 mm x 26.75 mm	18.0 A	11.0 W to 14.6 W (13.5 A)
	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	8.0 W to 11.0 W (2.25 A) 12.0 W to 15.0 W (2.25 A) 12.0 W to 15.0 W (2.25 A) 11.0 W to 13.0 W (2.25 A)
	CBM-120-UV	385 nm 405 nm	MCPCB 28.0 mm x 26.5 mm	24.0 A	13.0 W to 15.0 W (9 A) 11.0 W to 13.0 W (9 A)

UV-C PRODUCT PORTFOLIO

Product Image	Product Family	Peak Wavelength	Package	Max Drive Current	Optical Power
	XBT-1313-UV	280 nm	SMT 1.3 mm x 1.3 mm	40 mA	3 mW to 5 mW (20 mA)
	XST-3535-UV	280 nm	SMT 3.5 mm x 3.5 mm	500 mA	30 mW to 60 mW (350 mA)