

Light is OSRAM

OSRAM

Our Brand

LED ENGIN



LuxiGen™ UV Emitters

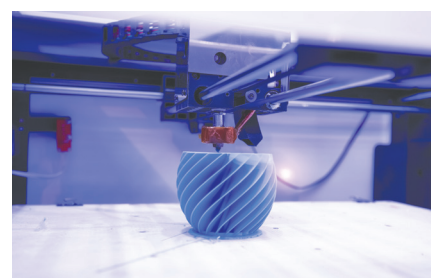
Compact. Powerful. Robust.

Key Features

- Extremely high flux density based on maximum drive current
- Lowest thermal resistance keeps LED running cooler
- Robust ceramic package with glass lens for harsh operating conditions
- 5nm-wide bins in 365nm, 385nm, 395nm and 405nm allows for precise wavelength tuning to match application
- Beam pattern optimized for maximum flux density and uniformity

LuxiGen UV Emitters Product Family

	Peak Wavelength	Typ. Radiant Flux (mW)
LZ1 SERIES		
	UV 365nm	1900@1000mA
	Violet 385, 395, 405nm	1940, 1940, 1760 @1000mA
LZ4 SERIES		
	UV 365nm	5700@1000mA
	Violet 385, 395, 405nm	7500, 7500, 6900 @1000mA
LZC SERIES		
	Violet 385, 395, 405nm	15000, 15000, 14100 @700mA
LZP SERIES		
	Violet 385, 395, 405nm	30500, 30500, 28000 @700mA

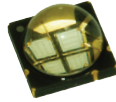


LuxiGen™ UV Emitter Technical Information

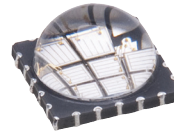
LZ1



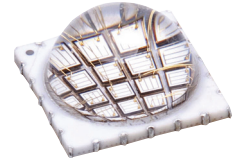
LZ4



LZC

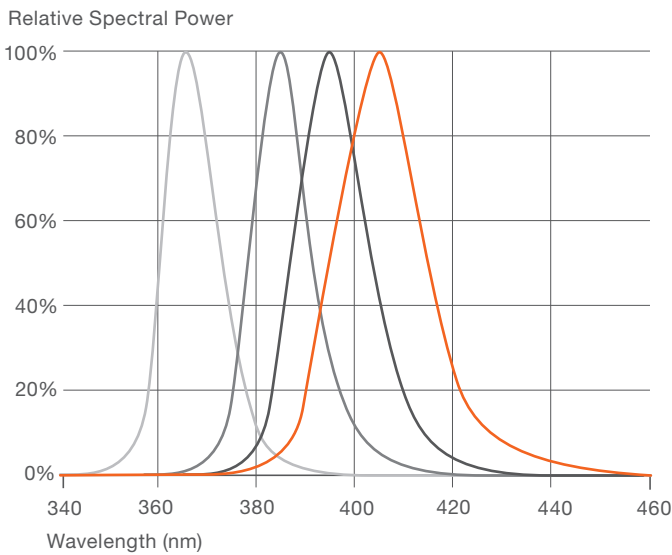


LZP



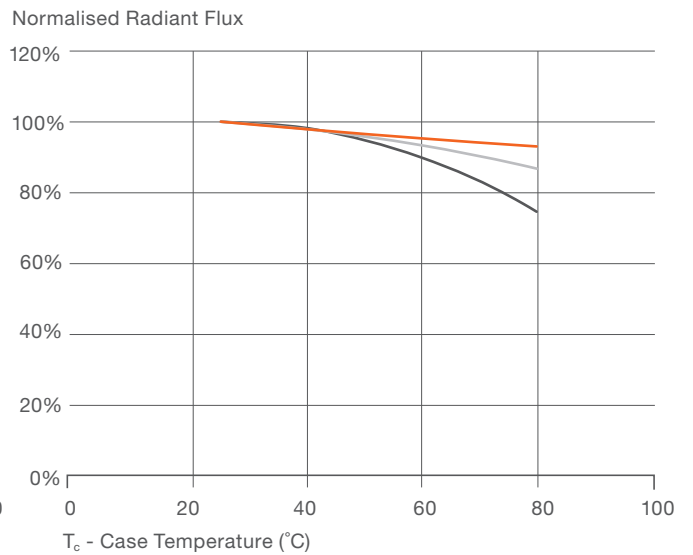
Emitter Footprint L x W, mm	4.4 x 4.4	7.0 x 7.0	9.0 x 9.0	12.0 x 12.0
Max Drive Current per die mA	1000	1000	700	700
Thermal Resistance °C/W	4.2	1.1	0.7	0.6

Typical Relative Spectral Power Distribution



— 365nm — 385nm — 395nm — 405nm

Typical Normalised Radiant Flux Over Temperature



— 385nm — 395nm/365nm — 405nm

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