

XLAMP® ELEMENT LEDs

- XLamp XE-B LEDs feature a tiny footprint (0.9 x 1.4 mm) for new levels of color mixing with multiple LED packages and higher intensity through optics
- XLamp XE-G LEDs deliver industry-leading color LED performance in a compact footprint (1.6 x 2.05 mm) package and a small LES
- No-compromise package: consistent anode/cathode location, large electrically-isolated thermal pad and <0.1 mm chip-to-edge spacing

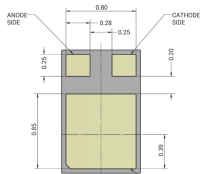
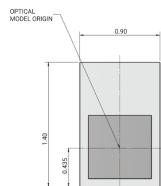
May 2026 (FS40R3)

ELEMENT FAMILY OVERVIEW

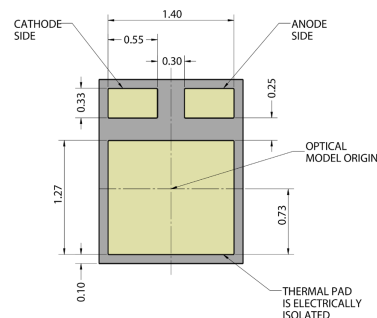
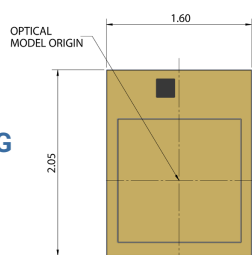
Footprint (mm)	XLamp® LED	Voltage Class	Max. Current(A)	Light Source Size ¹
0.9 x 1.4	XE-B	3V	1.0	~0.75 x 0.75 mm
1.6 x 2.05	XE-G	3V	3.0	~1.25 x 1.25 mm

1. Apparent optical source size seen by an optic. In general, smaller source sizes will yield smaller beam angles through an optic. These values are not LED die sizes.

XE-B



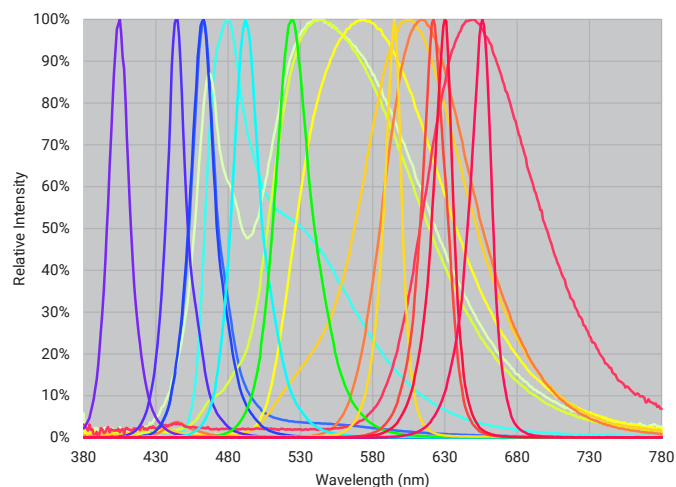
XE-G



BROADEST RANGE OF SPECTRAL OPTIONS

Enables new levels of spectral control for general & specialty lighting applications

White WT Cool					White WT Neutral	White WT Warm	Direct HR 650-670 nm
Direct VL 420-430 nm	Direct RY 450-460 nm	Direct BL 460-475 nm	Direct CY 490-510 nm	Direct GR 520-535 nm	Direct AM 585-595 nm	Direct RO 610-620 nm	Direct RD 620-630 nm
	Phosphor PB Blue	Phosphor PC Cyan	Phosphor PL Lime	Phosphor PA Amber	Phosphor PO Red-Orange	Phosphor PR Red	
			Phosphor PM Mint	Phosphor PY Yellow			



LED		XE-B				XE-G	
Color	WL (nm)		Max Flux @ 0.35A	Max Flux @ 1A		Max Flux @ 1A	Max Flux @ 3A
White			130 lm	306 lm		440 lm	960 lm
Violet	400-420					1.7 W	4.1 W
Royal Blue	450-465		0.6 W	1.4W		1.7 W	4.1 W
Blue	465-480		35 lm	70 lm		130 lm	278 lm
PC Blue			57 lm	116 lm		180 lm	404 lm
Cyan	490-510		94 lm	178 lm		260 lm	519 lm
PC Cyan						340 lm	799 lm
Green	520-535		130 lm	232 lm		420 lm	801 lm
PC Mint						500 lm	1136 lm
PC Lime			172 lm	393 lm		500 lm	1130 lm
PC Yellow			100 lm	212 lm		440 lm	991 lm
Amber	585-595					156 lm	254 lm
PC Amber			107 lm	230 lm		300 lm	657 lm
PC Red-Orange						220 lm	456 lm
Red-Orange	610-620		81 lm	193 lm		220 lm	458 lm
PC Red						57 lm	118 lm
Red	620-630		57 lm	135 lm		180 lm	372 lm
Photo Red	650-670					1.3 W	3.4 W

Max Flux shown for top available flux bin, T_j = 85°C (white), T_j = 25°C (colors)

WHITE: CRI & CCT OPTIONS

◆ = XE-B, ✕ = XE-G

CRI	Standard Colors									
	6500K	5700K	5000K	4000K	3500K	3000K	2700K	2400K	2200K	1800K
70	◆ ✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕		◆ ✕	
80	◆ ✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕		◆ ✕	
90		✕	✕	◆ ✕	◆ ✕	◆ ✕	◆ ✕		◆ ✕	