




# XLAMP® WHITE LEDs

- High-Power LEDs that deliver the industry's highest lumen density, efficacy & reliability
- Round LES XLamp XM-MR, XP-LR & XP-GR LEDs deliver smoother, more focused light output through optics than traditional square LES designs
- Pro9™ versions of XP-G4 & XHP35.2 deliver up to 10% higher lumens & LPW than Standard versions at 90 & 95 CRI

March 2026 (FS04R44)

Footprint (mm)	XLamp® LED	Version	Voltage Class	Max. Current (A)	Max Light Output (lm)	Light Source Size <sup>1</sup>	CCT Min	CCT Max	CRI Options				
1.60	XQ-A		---	3V	0.5	90	<1 mm <sup>2</sup>	2700K	6500K	70	80	90	
	XQ-E		High Intensity	3V	1.5	426	~1 mm <sup>2</sup>	1800K	6500K	70	80	90	
			High Density	3V	1.5	431	~2 mm <sup>2</sup>	1800K	6500K	70	80	90	
	XQ-E Plus		High Intensity	3V	1.5	424	~1 mm <sup>2</sup>	2700K	6500K	70	80	90	
			High Density	3V	1.5	476	~2 mm <sup>2</sup>	2700K	6500K	70	80	90	
	XD16		Premium White	3V	2.0	722	~2 mm <sup>2</sup>	2200K	7000K	70	80	90	95
1.6 x 2.05	XE-G		---	3V	3.0	917	~2 mm <sup>2</sup>	2200K	6500K	70	80	90	
2.45	XB-D		---	3V	1.0	328	~2 mm <sup>2</sup>	2700K	6500K	70	80	90	
3.45	XP-E2		---	3V	1.5	435	~2 mm <sup>2</sup>	2200K	7000K	70	80	90	
	XT-E		High Efficacy	3V	1.5	627	~2 mm <sup>2</sup>	2200K	6500K	70	80	90	
	XP-P		<70 CRI	3V	3.0	767	~1 mm <sup>2</sup>	5000K	7000K	<70			
			70+ CRI	3V	2.5	703	~1 mm <sup>2</sup>	2700K	7000K	70	80	90	
	XP-G3		Standard	3V	2.0	769	2.3 x 2.3 mm	1800K	7000K	70	80	90	
			S Line	3V	2.0	803	2.3 x 2.3 mm	2200K	6500K	70			
	XP-G4		Standard	3V	3.0	1,130	2.1 x 2.1 mm	1800K	7000K	70	80	90	
			Pro9™	3V	2.0	695	2.1 x 2.1 mm	2700K	4000K			90	95
			High Intensity	3V	3.0	1,017	~2 mm <sup>2</sup>	2700K	7000K	70	80	90	
	XP-GR		---	3V	6.0	1,202	1.3 mm	5000K	6500K	70			
XP-L2		---	3V	3.0	1,269	3.0 x 3.0 mm	2200K	7000K	70	80	90		
XP-LR		---	3V	6.0	1,629	1.7 mm	5000K	6500K	70				

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.

Footprint (mm)	XLamp® LED		Version	Voltage Class	Max. Current (A)	Max Light Output (lm)	Light Source Size <sup>1</sup>	CCT Min	CCT Max	CRI Options				
										70	80	90	95	
3.45	XHP35.2		High Intensity Standard	12V	1.5	1,808	2.3 x 2.3 mm	2200K	7000K	70	80	90	95	
				3V/6V	6.0 (3V) 3.0 (6V)	1,808	2.3 x 2.3 mm	4500K	7000K	<70				
			High Intensity Pro9™	12V	0.7	849	2.3 x 2.3 mm	2700K	4000K			90	95	
				High Density Standard	12V	1.5	1,946	3.2 x 3.2 mm	2700K	7000K	70	80	90	
			High Density Pro9™	3V/6V	6.0 (3V) 3.0 (6V)	1,946	3.2 x 3.2 mm	2700K	7000K	70	80	90		
				12V	0.7	983	3.2 x 3.2 mm	2700K	4000K			90	95	
5.00	XM-L3		---	3V	5.0	1,783	3.0 x 3.0 mm	6200K	7000K	<70				
				6V/12V	3.0 (6V) 1.5 (12V)	2,191	2.9 x 2.9 mm	2700K	7000K	70	80	90	95	
	XHP50.3		High Intensity	3V	6.0	2,191	2.9 x 2.9 mm	6200K	7000K	<70				
				6V/12V	3.0 (6V) 1.5 (12V)	2,320	3.9 x 3.9 mm	2200K	7000K	70	80	90		
			High Density	3V	6.0	2,320	3.9 x 3.9 mm	6200K	7000K	<70				
				6V/12V	3.0 (6V) 1.5 (12V)	2,320	3.9 x 3.9 mm	2200K	7000K	70	80	90		
	XM-MR		---	3V	14	3,226	2.3 mm	5000K	6500K	70				
	XFL03K		High Intensity	3V	20* (3V) 10* (6V)	5,490	3.5 x 3.5 mm	5000K	6500K	<70				
				6V	20* (3V) 10* (6V)	5,940	4.3 x 4.3 mm	5000K	6500K	<70				
	7.00	XHP70.3		High Intensity	6V/12V	7.2 (6V) 3.6 (12V)	5,157	3.9 x 3.9 mm	2200K	7000K	70	80	90	95
3V					14.4	5,157	3.9 x 3.9 mm	6200K	7000K	<70				
			High Density	6V/12V	7.2 (6V) 3.6 (12V)	5,511	5.3 x 5.3 mm	2200K	7000K	70	80	90		
				3V	14.4	5,511	5.3 x 5.3 mm	6200K	7000K	<70				
XFL05K			High Intensity	3V	30* (3V) 15* (6V)	8,801	5.1 x 4 mm	5000K	6500K	70	80			
				6V	30* (3V) 15* (6V)	9,168	5.7 x 5.7 mm	5000K	6500K	70	80			
10.0	XFL08K		High Intensity	6V	27*	15,045	7.0 x 6.5 mm	5000K	6500K	70				
				XFL10K	6V	32*	17,245	7.0 x 5.6 mm	5000K	6500K	70			
				XFL12K	6V	32*	19,135	~7.7 mm	5000K	6500K	<70			
	XFL10K		High Density	6V	27*	15,672	7.6 x 7.6 mm	5000K	6500K	70				
				XFL10K	6V	32*	18,151	~9 mm	5000K	6500K	70			
				XFL12K	6V	32*	19,135	~9 mm	5000K	6500K	<70			

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.

\* XFL family LEDs should only be driven at maximum current for up to 60 seconds at a time. Please see the XFL data sheet for more details.