
















XLAMP® WHITE LEDs

- High-Power LEDs that deliver the industry's highest lumen density, efficacy & reliability
- XLamp® XP-G4 White LED incorporates the latest advancements in high-power LED technology for improved optical performance while delivering industry leading efficacy
- Pro9™ versions of XP-G4 & XHP35.2 deliver up to 10% higher lumens & LPW than Standard versions at 90 & 95 CRI

March 2025 (FS04R40)

Footprint (mm)	XLamp® LED	Version	Voltage Class	Max. Current (A)	Max Light Output (lm)	Light Source Size ¹	CCT Min	CCT Max	CRI Options				
1.60	XQ-A		---	3V	0.300	90	<1 mm ²	2700K	6500K	70	80	90	
	XQ-E		High Intensity	3V	1.500	426	~1 mm ²	1800K	6500K	70	80	90	
			High Density	3V	1.500	431	~2 mm ²	1800K	6500K	70	80	90	
	XQ-E Plus		High Intensity	3V	1.500	424	~1 mm ²	2700K	6500K	70	80	90	
			High Density	3V	1.500	476	~2 mm ²	2700K	6500K	70	80	90	
	XD16		Premium White	3V	2.000	722	~2 mm ²	2200K	7000K	70	80	90	95
1.6 x 2.05	XE-G		---	3V	3.000	917	~2 mm ²	2200K	6500K	70	80	90	
2.45	XB-D		---	3V	1.000	328	~2 mm ²	2700K	6500K	70	80	90	
3.45	XP-E2		---	3V	1.500	435	~2 mm ²	2200K	7000K	70	80	90	
	XT-E		High Efficacy	3V	1.500	627	~2 mm ²	2200K	6500K	70	80	90	
	XP-P		<70 CRI	3V	3.000	767	~1 mm ²	5000K	7000K	<70			
			70+ CRI	3V	2.500	703	~1 mm ²	2700K	7000K	70	80	90	
	XP-G3		Standard	3V	2.000	769	2.3 x 2.3 mm	1800K	7000K	70	80	90	
			S Line	3V	2.000	803	2.3 x 2.3 mm	2200K	6500K	70			
	XP-G4		Standard	3V	3.000	1,130	2.1 x 2.1 mm	1800K	7000K	70	80	90	
			Pro9™	3V	2.000	695	2.1 x 2.1 mm	2700K	4000K			90	95
		High Intensity	3V	3.000	1,017	~2 mm ²	2700K	7000K	70	80	90		
XP-L2		---	3V	3.000	1,269	3.0 x 3.0 mm	2700K	7000K	70	80	90		

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 ¹	CCT Min	CCT Max	CRI Options				
										70	80	90	95	
3.45	XHP35.2		High Intensity Standard	12V	1.500	1,808	2.6 x 2.6 mm	2700K	7000K	70	80	90	95	
				3V/6V	6.0 (3V) 3.0 (6V)	1,808	2.6 x 2.6 mm	4500K	7000K	<70				
			High Intensity Pro9™	12V	0.700	849	2.6 x 2.6 mm	2700K	4000K			90	95	
				High Density Standard	12V	1.500	1,946	3.2 x 3.2 mm	2700K	7000K	70	80	90	
			High Density Standard	3V/6V	6.0 (3V) 3.0 (6V)	1,946	3.2 x 3.2 mm	4500K	7000K	<70				
				High Density Pro9™	12V	0.700	983	3.2 x 3.2 mm	2700K	4000K			90	95
5.00	XM-L3		---	3V	5.000	1,783	3.0 x 3.0 mm	6200K	7000K	<70				
				XHP50.3	High Intensity	6V/12V	3.0 (6V) 1.5 (12V)	2,191	2.9 x 2.9 mm	2700K	7000K	70	80	90
	3V	6.000	2,191			2.9 x 2.9 mm	6200K	7000K	<70					
	High Density	6V/12V	3.0 (6V) 1.5 (12V)		2,320	3.9 x 3.9 mm	2700K	7000K	70	80	90			
		3V	6.000		2,320	3.9 x 3.9 mm	6200K	7000K	<70					
	7.00	XHP70.3		High Intensity	6V/12V	7.2 (6V) 3.6 (12V)	5,157	3.9 x 3.9 mm	2700K	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 6V	30* (3V) 15* (6V)	8,335	5.1 x 4 mm	5000K	6500K	70	80			
				High Density	3V 6V	30* (3V) 15* (6V)	8,002	5.7 x 5.7 mm	5000K	6500K	70	80		
10.0	XFL08K		High Intensity	6V	27*	13,780	7.0 x 6.5 mm	5000K	6500K	70				
				High Density	6V	27*	14,247	7.6 x 7.6 mm	5000K	6500K	70			
	XFL10K		High Intensity	6V	32*	17,437	7.0 x 5.6 mm	5000K	6500K	70				
				High Density	6V	32*	18,164	~9 mm diameter	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.