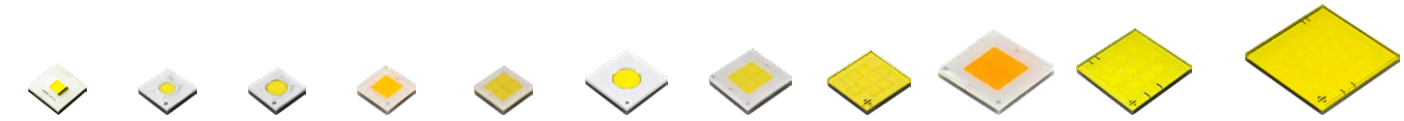
XLAMP® PORTABLE LEDs

- Broad portfolio of high-power LEDs with consistent footprints that cover a wide range of ANSI FL 1 lumens and beam distance targets
- Round LES XLamp XM-MR, XP-LR & XP-GR LEDs deliver smoother, more focused light output through optics than traditional square LES designs
- Leading global IP position with standard indemnification
- Most valuable portable LED brand for over 10 years

March 2026 (FS15R17)

BEAM-DISTANCE-OPTIMIZED LEDs

Beam distance is the distance from the flashlight where illuminance is equivalent to a full moon on a clear night.



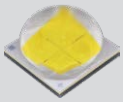
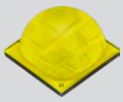
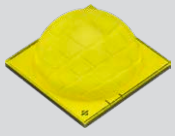
XP-P	XP-GR	XP-LR	XP-L	XHP35.2	XM-MR	XHP50.3	XFL03K	XHP70.3	XFL05K	XFL08K/10K/12K

Footprint (mm)	XLamp® LED	Light Source Size[1] (mm)	Voltage Class	Lumens @ Max Current[2] (lm)	Lumens @ Overdrive Current[3] (lm)	CRI Options			
3.45	XP-P	1.0 x 1.0	3V	614 @ 3.0A	---	70	80	90	
	XP-GR	1.3	3V	1,202 @ 6.0A	---	70			
	XP-LR	1.7	3V	1,629 @ 6.0A	---	70			
	XP-L HI	2.1 x 2.1	3V	992 @ 3.0A	1,892 @ 8.8A	70	80	90	
	XHP35.2 HI	2.3 x 2.3	3V/6V	1,691 @ 6.0A/3.0A	2,530 @ 10.6A/5.3A	<70			
5.00	XM-MR	2.3	3V	2,849 @ 14.0A	---	70			
	XHP50.3 HI	3.0 x 3.0	3V	1,929 @ 6.0A	4,312 @ 18.8A	<70			
			6V	1,929 @ 3.0A	4,312 @ 9.4A	70	80	90	95
	XFL03K HI	3.5 x 3.5	3V	5,243 @ 20A	---	<70			
			6V	5,243 @ 10A	---	<70			
7.00	XHP70.3 HI	3.9 x 3.9	3V	4,523 @ 14.4A	5,558 @ 18.6A	<70			
			6V	4,523 @ 7.2A	5,558 @ 9.3A	70	80	90	95
	XFL05K HI	5.1 x 4.0	3V	8,403 @ 30A	---	70			
			6V	8,403 @ 15A	---	70			
10.0	XFL08K HI	7.0 x 6.5	6V	14,406 @ 27A	---	70			
	XFL10K HI	7.0 x 5.6	6V	16,626 @ 32A	---	70			
	XFL12K HI	7.7	6V	18,352 @ 32A	---	<70			

1. Apparent optical source size as seen by the optic. In general, smaller source sizes will yield smaller beam angles through an optic. These values are not LED die sizes.
2. Simulated light output with highest available flux bin, maximum rated current, steady-state operation at Tc = 85°C (≤3.45 mm footprint) or Tc = 105°C (≥5.0 mm footprint)
3. At Tc = 85°C. See the Overcurrent Application Note for more details on overcurrent limits for portable lighting.

LUMEN-OPTIMIZED LEDs

Lumen is a measure of luminous flux, which is light output emitted in all directions.

Footprint (mm)	XLamp® LED		Light Source Size[1] (mm)	Voltage Class	Lumens @ Max Current[2] (lm)	Lumens @ Overdrive Current[3] (lm)	CRI Options			
3.45		**XT-E** HE	2.0 x 2.0	3V	511 @ 1.5A	804 @ 3.4A	70	80	90	
		**XP-G3** Standard	2.3 x 2.3	3V	759 @ 2.0A	1,305 @ 5.5A	70	80	90	95
		**XP-G3** S Line	2.3 x 2.3	3V	776 @ 2.0A	1,363 @ 5.5A	70			
		**XP-G4** Standard	2.1 x 2.1	3V	1,045 @ 3.0A	1,488 @ 6.0A	70	80	90	
		**XP-L2**	3.0 x 3.0	3V	1,172 @ 3.0A	2,496 @ 10A	70	80	90	95
		**XHP35.2** HD	3.3 x 3.3	3V/6V	1,952 @ 6.0A/3.0A	3,016 @ 11.2A/5.6A	<70	80	90	
5.00		**XM-L2**	2.8 x 2.8	3V	1,083 @ 3.0A	2,516 @ 10.3A	70	80	90	
		**XM-L3**	3.0 x 3.0	3V	1,526 @ 5.0A	1,967 @ 6.1A	<70			
		**XHP50.3** HD	3.9 x 3.9	3V	2,067 @ 6.0A	4,800 @ 20A	<70			
				6V	2,067 @ 3.0A	4,800 @ 10A	70	80	90	
		**XFL03K** HD	4.3 x 4.3	3V	5,673 @ 20A	---	<70			
				6V	5,673 @ 10A	---	<70			
7.00		**XHP70.3** HD	5.3 x 5.3	3V	4,857 @ 14.4A	6,405 @ 20.6A	<70			
				6V	4,857 @ 7.2A	6,405 @ 10.3A	70	80	90	95
		**XFL05K** HD	5.7 x 5.7	3V	8,753 @ 30A	---	70			
				6V	8,753 @ 15A	---	70	80		
10.0		**XFL08K** HD	7.6 x 7.6	6V	15,006 @ 27A	---	70			
		XFL10K HD	~9	6V	17,319 @ 32A	---	70			
		XFL12K HD	~9	6V	19,591 @ 32A	---	<70			

1. Apparent optical source size as seen by the optic. In general, smaller source sizes will yield smaller beam angles through an optic. These values are not LED die sizes.
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3. At Tc = 85°C. See the Overcurrent Application Note for more details on overcurrent limits for portable lighting.