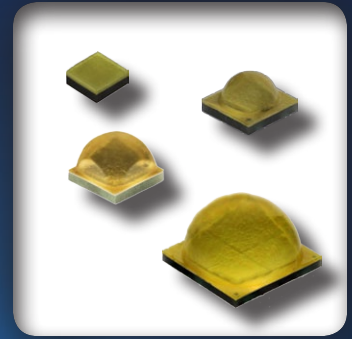


# XLAMP® DIRECTIONAL LEDS

- High-Power LEDs that deliver the industry's highest lumen density, efficacy & reliability
- Application-optimized LEDs that create differentiated products and deliver lower system cost
- Excellent L90 lifetimes across the entire portfolio



## Product Selector Table

XLamp	Footprint (mm)	Max Light Output (lm)	Efficacy	Intensity	Max Power (W)	Voltage Class	Max. Current (A)	Features
<b>XQ-E</b> High Intensity	1.60	334	●	●●●	3	3 V	1.000	• Smallest optical source • Full color portfolio available
<b>XQ-E</b> High Density		334	●	●	3	3 V	1.000	• Full color portfolio available
<b>XD16</b>		726	●●	●●	6	3 V	2.000	• Highest lumen density • Easier to use than CSPs
<b>XT-E</b> Standard	3.45	629	●●	●	5	3 V	1.500	• Royal Blue also available
<b>XT-E</b> High Efficacy		629	●●●	●	5	3 V	1.500	• Improved LPW over Standard
<b>XP-G2</b> High Efficacy		735	●●	●●	6	3 V	2.000	• Better LPW and 25% more output than XP-G2 Standard
<b>XP-G3</b> Standard		854	●●●	●●	6	3 V	2.000	• Royal Blue also available
<b>XP-G3</b> S Line		854	●●●●	●●	6	3 V	2.000	• Better LPW & robustness than XP-G3 Standard
<b>XP-L2</b>		1175	●●●	●●	10	3 V	3.000	• Industry leading efficacy at high drive currents
<b>XHP35.2</b>		1718	●●	●●	13	12 V	1.050	• Highest lumen density in 3.45 mm footprint
<b>XHP50.2</b>	5.00	2654	●●	●●	18	6 V	3.000	• Unparalleled output for 5.0 mm footprint • Improved voltage, reliability & optical characteristics over Gen 1 XHP
						12 V	1.500	
<b>XHP70.2</b>	7.00	4292	●●	●●	29	6 V	4.800	• Unparalleled output for 7.0 mm footprint • Improved voltage, reliability & optical characteristics over Gen 1 XHP
						12 V	2.400	

## Applications

### Outdoor

- Roadway
- Parking Area

### Portable

- High End

### Indoor

- Track / Spot
- Low / High Bay

## CRI & CCT Options

### 70 CRI Min

- >5000 K
- 5000 K
- 4000 K
- 3500 K
- 3000 K
- 2700 K
- 2200 K

### 80 CRI Min

- >5000 K
- 5000 K
- 4000 K
- 3500 K
- 3000 K
- 2700 K
- 2200 K

### 90 CRI Min

- >5000 K
- 5000 K
- 4000 K
- 3500 K
- 3000 K
- 2700 K

Consult data sheets for exact offerings by product

## Detailed Product Specifications

XLamp	Voltage Class	Max. Current (A)	Rth (°C/W)	Typ. Vf @ 85°C (V)			TM-21 Reported L90 Lifetime (hrs)				
				0.350 A	0.700 A	1.000 A	0.500 A	0.700 A	1.000 A / 1.050 A	1.400 A / 1.500 A	2.000 A / 2.100 A
<b>XQ-E</b> High Intensity	3 V	1.000	6	2.90	3.05	3.14	28.3k	24.7k	---	---	---
<b>XQ-E</b> High Density	3 V	1.000	6	2.90	3.05	3.14	28.3k	24.7k	---	---	---
<b>XD16</b>	3 V	2.000	6	2.73	2.83	2.90	>36.3k	---	>36.3k	>36.3k	---
<b>XT-E</b> Standard	3 V	1.500	5	2.85	2.99	3.08	>109k	---	>60.5k	---	---
<b>XT-E</b> High Efficacy	3 V	1.500	5	2.77	2.89	2.97	>109k	---	>60.5k	---	---
<b>XP-G2</b> High Efficacy	3 V	2.000	3	2.73	2.83	2.90	---	---	>39.3k	---	>36.3k
<b>XP-G3</b> Standard	3 V	2.000	3	2.73	2.83	2.90	---	>118k	>84.7k	>103k	17.5k
<b>XP-G3</b> S Line	3 V	2.000	3	2.73	2.83	2.90	>36.3k	>36.3k	>39.3k	>39.3k	---
<b>XP-L2</b>	3 V	3.000	2.2	---	2.75	2.81	---	---	>54.4k	>57.5k	61.9k
<b>XHP35.2</b>	12 V	1.050	1.8	11.20	11.67	11.97	>51.4k	>51.4k	>51.4k	---	---
<b>XHP50.2</b>	12 V	1.500	1.2	10.97	11.20	11.36	---	>51.4k	>51.4k	>51.4k	---
<b>XHP70.2</b>	12 V	2.400	0.9	---	10.97	11.17	---	---	>39.3k	>39.3k	>39.3k