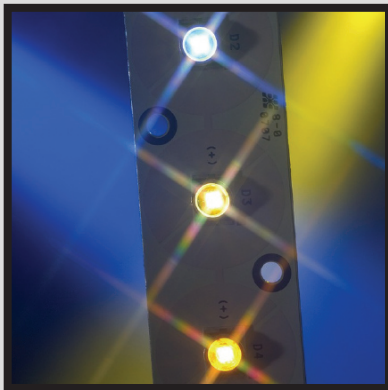




# XLamp Lighting-Class LEDs

## FEATURES

## APPLICATIONS



- **Complete portfolio of white**
  - ▶ Cool 5,000K to 10,000K CCT
  - ▶ Neutral 3,700K to 5,000K CCT
  - ▶ Warm 2,600K to 3,700K CCT
- **High minimum-flux order codes in full range of white**
  - ▶ Cool 107 lm @ 350 mA
  - ▶ Neutral 100 lm @ 350 mA
  - ▶ Warm 93.9 lm @ 350 mA
- **Proven white point stability**
- **L70 lifetime up to 50,000 hours**
- **Tested to highest standards in LED industry**

- **Outdoor lighting**
  - ▶ Parking area, roadway, pedestrian
- **Portable and personal lighting**
- **Indoor lighting**
  - ▶ Downlights, uplights, bollards
- **Retail display lighting**
  - ▶ Display case, refrigerated display
- **Architectural and landscape lighting**
- **Solar-powered lighting**
- **Security lighting**

## Basic advantages of LED Light

- |                          |   |  |
|--------------------------|---|--|
| Very energy efficient    | » | greater than 90 lumens/watt and still improving            |
| High-quality light       | » | no compromise between efficacy and CRI                     |
| Directional              | » | no wasted light; any pattern possible                      |
| Extremely long lifetime  | » | 50,000 hours to 70% lumen maintenance                      |
| Inherently rugged        | » | no filament to break                                       |
| Instant on               | » | reaches full brightness in nanoseconds                     |
| Environmentally friendly | » | contains no mercury, lead or other heavy metals            |
| Infinitely controllable  | » | enables new lighting fixtures and energy-saving techniques |
| Low-temperature-friendly | » | no issues starting in cold environments                    |

# XLamp Lighting-Class LEDs



Part	Package Size (mm)	Viewing Angle	Typical V <sub>F</sub> @ 350 mA (V)*	Color	CCT range (K)		Max Current (mA)*	CRI	Luminous Flux (lm)**
					min	max			
XLamp XR-E LED	7.0 x 9.0	90	3.3	Cool White	5,000	10,000	1000	75	80.6 - 107
				Neutral White	3,700	5,000	700	75	62.0 - 93.9
				Warm White	2,600	3,700	700	80	56.8 - 87.4
XLamp XR-C LED	7.0 x 9.0	90	3.5	Cool White	5,000	10,000	500	75	56.8 - 87.4
				Neutral White	3,700	5,000	500	75	51.7 - 80.6
				Warm White	2,600	3,700	500	80	39.8 - 67.2
XLamp MC-E LED	7.0 x 9.0	110	3.2	Cool White	5,000	10,000	700	75	370 - 430
				Neutral White	3,700	5,000	700	75	280 - 370
				Warm White	2,600	3,700	700	80	240 - 320
XLamp XP-E LED	3.45 x 3.45	115	3.2	Cool White	5,000	10,000	700	75	87.4 - 107
				Neutral White	3,700	5,000	700	75	73.9 - 100
				Warm White	2,600	3,700	700	80	62.0 - 93.9
XLamp XP-C LED	3.45 x 3.45	110	3.4	Cool White	5,000	10,000	500	75	73.9 - 93.9
				Neutral White	3,700	5,000	500	75	62.0 - 80.6
				Warm White	2,600	3,700	500	80	51.7 - 73.9

\* Voltage & current specifications for XLamp MC-E are listed per LED  
 \*\* Range of available standard minimum flux order codes @ 350 mA

