

CREE High Power LEDs



XLAMP XP-E SERIES

80% smaller footprint than the X-Lamp XR-E.

Features:

- Viewing Angle: White - 115°
- Viewing Angle: Colored LEDs - 130°

Applications:

- Portable
- LED light bulbs
- Architectural
- Signage
- Retail display
- Transportation
- Emergency vehicle

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux. (lm) Typical	Forward Voltage (VDC)	Forward Current (mA)	Price Each		
								1	50	100
941-XPEREDL1R250701	XPERED-L1-R250-00701	A	Red	620	51.7	2.3	700	4.00	3.69	3.22
941-XPEREDL1R250801	XPERED-L1-R250-00801	A	Red	620	51.7	2.3	700	4.85	4.48	3.91
941-XPEREDL100401	XPERED-L1-0000-00401	A	Red	620-630nm	51.7	2.3	700	2.73	2.51	2.20
941-XPEREDL1R250401	XPERED-L1-R250-00401	A	Red	620-630nm	51.7	2.3	700	3.69	3.41	2.98
941-XPERDOL1R250901	XPERDO-L1-R250-00901	A	Red-Orange	610	56.8	2.3	700	4.00	3.69	3.22
941-XPERDOL1R250A01	XPERDO-L1-R250-00A01	A	Red-Orange	610	56.8	2.3	700	4.85	4.48	3.91
941-XPERDOL1R250501	XPERDO-L1-R250-00501	A	Red-Orange	610-620nm	56.8	2.3	700	3.27	3.02	2.64
941-XPEAMBL1R250401	XPEAMB-L1-R250-00401	A	Amber	585-595nm	51.7	2.3	500	3.57	3.29	2.88
941-XPEGRNL1R250C01	XPEGRN-L1-R250-00C01	A	Green	520-535nm	100	3.8	1000	5.68	5.23	4.58
941-XPEGRNL100D01	XPEGRN-L1-0000-00D01	A	Green	520-535nm	107	3.8	1000	5.14	4.75	4.15
941-XPEBLUL1R250Y01	XPEBLU-L1-R250-00Y01	A	Blue	465-485nm	30.6	3.5	1000	4.38	4.04	3.53
941-XPEBLUL100Z01	XPEBLU-L1-0000-00Z01	A	Blue	465-485nm	39.8	3.5	1000	4.00	3.69	3.22
941-XPEWHTL1R2506E8	XPEWHT-P1-R250-006E8	A	White	2700K	62	3.5	1000	2.44	2.25	1.97
941-XPEWHTL1R2507E7	XPEWHT-P1-R250-007E7	A	White	3000K	67.2	3.5	1000	2.44	2.25	1.97
941-XPEWHTL1R2508E7	XPEWHT-L1-R250-008E7	A	White	3000K	73.9	3.5	1000	4.56	3.76	3.16
941-XPEWHTL100BE7	XPEWHT-L1-0000-00BE7	A	White	3000K	93.9	3.5	1000	3.57	3.29	2.88
941-XPEWHTL1R250BE6	XPEWHT-L1-R250-00BE6	A	White	3500K	93.9	3.5	1000	3.63	3.35	2.93
941-XPEWHTL1R250AE5	XPEWHT-L1-R250-00AE5	A	White	4000K	87.4	3.5	1000	3.35	3.09	2.70
941-XPEWHTL1R250D01	XPEWHT-L1-R250-00D01	A	Cool White	5000-10000K	107	3.5	1000	3.33	3.07	2.68
941-XPEWHTL1R250E01	XPEWHT-L1-R250-00E01	A	Cool White	5000-10000K	114	3.5	1000	3.64	3.35	2.93

XLAMP XP-G SERIES

Features:

- Viewing Angle: 125°



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux. (lm) Typical	Forward Voltage (VDC)	Forward Current (mA)	Price Each		
								1	50	100
941-XPGWHTP1R2508E8	XPGWHT-P1-R250-008E8	B	85-CRI White	2700	73.9	3	350	5.15	4.75	4.15
941-XPGWHTL1R2500DE8	XPGWHT-L1-R250-00DE8	B	Warm White	2700	107	3	350	7.54	6.95	6.09
941-XPGWHTP1R2509E7	XPGWHT-P1-R250-009E7	B	85-CRI White	3000	87.4	3	350	4.86	4.48	3.92
941-XPGWHTL100BE8	XPGWHT-L1-0000-00BE8	B	Warm White	2700	93.9	3	350	5.88	5.42	4.74
941-XPGWHTL100CE7	XPGWHT-L1-0000-00CE7	B	Warm White	3000	100	3	350	5.72	5.28	4.62
941-XPGWHTL1R2500EE7	XPGWHT-L1-R250-00EE7	B	Warm White	3000	114	3	350	7.54	6.95	6.09
941-XPGWHTL100EE5	XPGWHT-01-0000-00EE5	B	Neutral White	4000	114	3	350	5.43	5.01	4.38
941-XPGWHT01R2500GC3	XPGWHT-01-R250-00GC3	B	Neutral White	4300	130	3	350	7.87	7.27	6.36
941-XPGWHT01R2500GC2	XPGWHT-01-R250-00GC2	B	Neutral White	4500	130	3	350	7.87	7.27	6.36
941-XPGWHT0100FE3	XPGWHT-01-0000-00FE3	B	Neutral White	5000	122	3	350	6.01	5.54	4.85
941-XPGWHT01R2500GC1	XPGWHT-01-R250-00GC1	B	Cool White	5000	130	3	350	7.87	7.27	6.36
941-XPGWHTL100E51	XPGWHT-L1-0000-00E51	B	Cool White	5000-8300	114	3	350	5.72	5.28	4.62
941-XPGWHTL100F53	XPGWHT-L1-0000-00F53	B	Cool White	5000-8300	122	3	350	5.48	4.22	3.69
941-XPGWHTL100G51	XPGWHT-L1-0000-00G51	B	Cool White	5000-8300	130	3	350	5.43	5.01	4.38
941-XPGWHTL100G53	XPGWHT-L1-0000-00G53	B	Cool White	5000-8300	130	3	350	5.59	5.16	4.51
941-XPGWHTL100H53	XPGWHT-L1-0000-00H53	B	Cool White	5000-8300	139	3	350	7.02	6.48	5.67
941-XPGWBWL1R2500F51	XPGBWT-L1-R250-00F51	B	Cool White	8300	122	2.9	700	3.52	2.85	2.59
941-XPGWBWL1R2500G51	XPGBWT-L1-R250-00G51	B	Cool White	8300	130	2.9	700	3.86	3.12	2.83
941-XPGWBWL1R2500H51	XPGBWT-L1-R250-00H51	B	Cool White	8300	139	2.9	700	5.18	4.18	3.80

XLAMP XR-E SERIES

Features:

- Viewing Angle (White): 90°
- Viewing Angle (Color): 100°

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	Color Range	Luminous Flux. (lm) Typical	Forward Voltage (VDC)	Forward Current (mA)	Price Each		
								1	50	100
941-XREBLUL100J02	XREBLU-L1-0000-00J02	C	Blue	465-480nm	23.5	3.7	1000	5.98	5.52	4.83
941-XREBLUL100J01	XREBLU-L1-0000-00J01	C	Blue	465-485nm	23.5	3.7	1000	5.43	5.01	4.38
941-XREBLUL1R250K01	XREBLU-L1-R250-00K01	C	Blue	465-485nm	30.6	3.7	1000	8.73	8.05	7.04
941-XREGRLN1R250P01	XREGRN-L1-R250-00P01	C	Green	520-535nm	67.2	3.7	1000	6.49	5.98	5.54
941-XREWHTL1R2508E7	XREWHT-L1-R250-008E7	C	Warm White	3000K	73.9	3.5	700	8.20	7.56	6.62
941-XREWHTL1R2509E5	XREWHT-L1-R250-009E5	C	Neutral White	4000K	80.6	3.5	700	7.94	7.32	6.40
941-XREWHTL1R250C01	XREWHT-L1-R250-00C01	C	Cool White	5000-10000K	100	3.7	1000	8.42	7.77	6.80
941-XREWHTL100D01	XREWHT-L1-0000-00D01	C	Cool White	5000-10000K	107	3.7	1000	8.29	7.65	6.69
941-XREWHTL100E01	XREWHT-L1-0000-00E01	C	Cool White	5000-10000K	114	3.7	1000	9.02	8.32	7.28

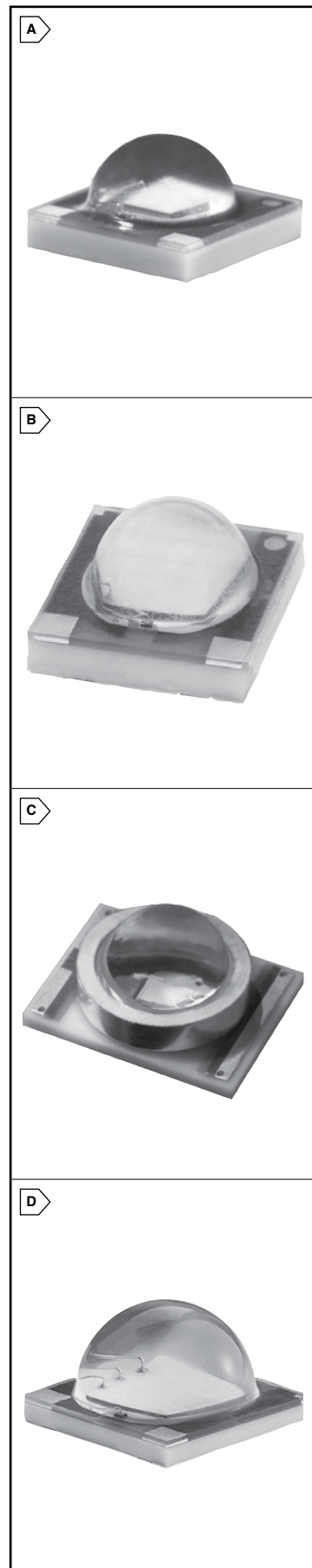
XLAMP XM-L SERIES

Features:

- Forward Current (max.): 175mA
- Forward Voltage @ 60mA: 20
- Viewing Angle: 120°

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux. (lm) Typical	Forward Voltage (VDC)	Forward Current (mA)	Price Each		
								1	50	100
941-XMLAWT0000LS60E8	XMLAWT-00-0000-000LS60E8	D	Warm White	2700	182			6.86	6.33	5.53
941-XMLAWT0000LT20E8	XMLAWT-00-0000-000LT20E8	D	Warm White	2700	200			8.29	7.65	6.69
941-XMLAWT0000LT20E7	XMLAWT-00-0000-000LT20E7	D	Warm White	3000	200			6.86	6.33	5.53



LED Lighting

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