

CREE High Power LEDs



XLAMP MX-3 SERIES

Enhanced light uniformity and LED-to-LED color consistency

Features:

- Forward Current (max.): 400mA
- Forward Voltage @ 350mA: 3.7
- Viewing Angle: 120°

Applications:

- LED light bulbs
- Cove lighting and wall washing
- Under-cabinet lighting
- Retail and refrigerated display
- Fluorescent replacement

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux (lm)	Price Each		
						1	50	100
941-MX3AWTA1R2500E8	MX3AWT-A1-R250-000E8	A	Warm White	2700	65-73.9	1.22	1.13	.792
941-MX3AWTA1R2500E8	MX3AWT-A1-R250-000E8	A	Warm White	2700	70-80.6	1.34	1.23	.80
941-MX3AWTA1R2500E7	MX3AWT-A1-R250-000E7	A	Warm White	3000	70-80.6	1.22	1.13	.788
941-MX3AWTA1R2500AE7	MX3AWT-A1-R250-000AE7	A	Warm White	3000	76.87.4	1.34	1.23	.794
941-MX3AWTA1R2500AE5	MX3AWT-A1-R250-000AE5	A	Warm White	4000	76-87.4	1.17	1.08	.697
941-MX3AWTA1R2500BE5	MX3AWT-A1-R250-000BE5	A	Warm White	4000	82-93.9	1.21	1.11	.716
941-MX3AWTA1R2500BE3	MX3AWT-A1-R250-000BE3	A	Cool White	5000	82-93.9	1.22	1.13	.729
941-MX3AWTA1R2500CE3	MX3AWT-A1-R250-000CE3	A	Cool White	5000	87-100	1.34	1.23	.794
941-MX3AWTA1R2500C51	MX3AWT-A1-R250-000C51	A	Cool White	6500	87-100	1.22	1.13	.729
941-MX3AWTA1R2500D51	MX3AWT-A1-R250-000D51	A	Cool White	6500	93.9-107	1.34	1.23	.794

XLAMP MX-3S SERIES

Enhanced light uniformity and LED-to-LED color consistency

Features:

- Forward Current (max.): 150mA
- Forward Voltage @ 115mA: 10.7VDC
- Viewing Angle: 120°

Applications:

- LED light bulbs
- Cove lighting and wall washing
- Under-cabinet lighting
- Retail and refrigerated display
- Fluorescent replacement

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux (lm)	Price Each		
						1	50	100
941-MX3SWTA1000E8	MX3SWT-A1-0000-000E8	A	Warm White	2700	73.9	1.19	1.10	.964
941-MX3SWTA1000E8	MX3SWT-A1-0000-000E8	A	Warm White	2700	80.6	1.32	1.22	1.06
941-MX3SWTA1000AE8	MX3SWT-A1-0000-000AE8	A	Warm White	2700	87.4	1.58	1.46	1.27
941-MX3SWTA1000AE7	MX3SWT-A1-0000-000AE7	A	Warm White	2900	87.4	1.32	1.21	1.06
941-MX3SWTA1000E7	MX3SWT-A1-0000-000E7	A	Warm White	3000	80.6	1.19	1.10	.966
941-MX3SWTA1000BE7	MX3SWT-A1-0000-000BE7	A	Warm White	3000	93.9	1.58	1.46	1.27
941-MX3SWTA1000AE5	MX3SWT-A1-0000-000AE5	A	Warm White	4000	87.4	1.14	1.05	.924
941-MX3SWTA1000BE5	MX3SWT-A1-0000-000BE5	A	Warm White	4000	93.9	1.19	1.09	.961
941-MX3SWTA1000CE5	MX3SWT-A1-0000-000CE5	A	Warm White	4000	100	1.32	1.22	1.06
941-MX3SWTA1000BE3	MX3SWT-A1-0000-000BE3	A	Cool White	5000	93.9	1.19	1.10	.966
941-MX3SWTA1000CE3	MX3SWT-A1-0000-000CE3	A	Cool White	5000	100	1.32	1.21	1.06
941-MX3SWTA1000DE3	MX3SWT-A1-0000-000DE3	A	Cool White	5000	107	1.58	1.46	1.27
941-MX3SWTA1000C51	MX3SWT-A1-0000-000C51	A	Cool White	6500	107	1.82	1.68	1.47
941-MX3SWTA1000D51	MX3SWT-A1-0000-000D51	A	Cool White	6500	107	2.00	1.84	1.61
941-MX3SWTA1000E51	MX3SWT-A1-0000-000E51	A	Cool White	6500	114	2.24	2.06	1.80



XLAMP MX-6S SERIES

Designed for indoor LED lighting, with better color consistency and higher reliability than incumbent solutions.

Features:

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

Applications:

- Indoor commercial
- Kitchen under-cabinet
- Refrigerated display
- Fluorescent replacement
- LED light bulbs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux (lm)	Price Each		
						1	50	100
941-MX6SWTA1000AE8	MX6SWT-A1-0000-000AE8	A	Warm White	2700	87.4	1.42	1.31	1.15
941-MX6SWTA1000BE8	MX6SWT-A1-0000-000BE8	A	Warm White	2700	93.9	1.51	1.38	1.21
941-MX6SWTA1000CE8	MX6SWT-A1-0000-000CE8	A	Warm White	2700	100	1.71	1.58	1.38
941-MX6SWTA1000E7	MX6SWT-A1-0000-000E7	A	Warm White	2900	100	1.50	1.39	1.21
941-MX6SWTA1000BE7	MX6SWT-A1-0000-000BE7	A	Warm White	3000	93.9	1.42	1.31	1.15
941-MX6SWTA1000CE5	MX6SWT-A1-0000-000CE5	A	Warm White	4000	100	1.42	1.31	1.15
941-MX6SWTA1000DE5	MX6SWT-A1-0000-000DE5	A	Warm White	4000	107	1.50	1.39	1.21
941-MX6SWTA1000EE5	MX6SWT-A1-0000-000EE5	A	Warm White	4000	114	1.71	1.58	1.38
941-MX6SWTA1R2500E5	MX6SWT-A1-R250-000E5	A	Warm White	4000	114	1.71	1.58	1.38
941-MX6SWTA1000DF4	MX6SWT-A1-0000-000DF4	A	Cool White	4750	107	1.42	1.31	1.15
941-MX6SWTA1000DE3	MX6SWT-A1-0000-000DE3	A	Cool White	5000	107	1.42	1.31	1.15
941-MX6SWTA1000EE3	MX6SWT-A1-0000-000EE3	A	Cool White	5000	114	1.50	1.39	1.21
941-MX6SWTA1R2500E3	MX6SWT-A1-R250-000E3	A	Cool White	5000	114	1.52	1.40	1.22
941-MX6SWTA1000FE3	MX6SWT-A1-0000-000FE3	A	Cool White	5000	122	1.71	1.58	1.38
941-MX6SWTA1R2500FE3	MX6SWT-A1-R250-000FE3	A	Cool White	5000	122	1.71	1.58	1.38
941-MX6SWTA1000E51	MX6SWT-A1-0000-000E51	A	Cool White	6500	114	1.43	1.31	1.14
941-MX6SWTA1R2500E51	MX6SWT-A1-R250-000E51	A	Cool White	6500	122	1.50	1.39	1.21
941-MX6SWTA1000F51	MX6SWT-A1-0000-000F51	A	Cool White	6500	122	1.52	1.40	1.22
941-MX6SWTA1R2500F51	MX6SWT-A1-R250-000F51	A	Cool White	6500	130	1.71	1.58	1.38
941-MX6SWTA1000G51	MX6SWT-A1-0000-000G51	A	Cool White	6500	130	1.71	1.58	1.38
941-MX6SWTA1R2500G51	MX6SWT-A1-R250-000G51	A	Cool White	6500	130	1.71	1.58	1.38

XLAMP ML-B SERIES

Features:

- Forward Current (Max.): 175mA
- Forward Voltage @ 80mA: 3.5V
- Viewing Angle: 120°

Applications:

- T5/T8 bulbs; fluorescent replacement
- Under-cabinet lighting
- Retail and refrigerated display
- Panel lights

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT Range (K)	Luminous Flux (lm)	Price Each		
						1	50	100
941-MLBAWTA1000VE7	MLBAWT-A1-0000-000VE7	B	Warm White	2800-3200	18.1	.54	.50	.441
941-MLBAWTA1000WE7	MLBAWT-A1-0000-000WE7	B	Warm White	3000	23.5	.75	.688	.609
941-MLBAWTA1000WE3	MLBAWT-A1-0000-000WE3	B	Cool White	5000	23.5	.57	.524	.462

XLAMP ML-C SERIES

Features:

- Forward Current: 175 mA(series), 350mA(parallel)
- Forward Voltage @ 100mA(parallel): 3.2V
- Forward Voltage @ 50mA(serial): 6.4V
- Viewing Angle: 120°



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT/ Wavelength	Luminous Flux (lm) Typical	Forward Voltage @ 150mA (V)	DC Forward Current (mA)	Price Each		
								1	50	100
941-MLCAWTA10XE1	MLCAWT-A1-0000-000XE1	B	Cool White	6500	38	.72	.698	.686		
941-MLCSWTA10XE1	MLCSWT-A1-0000-000XE1	B	Cool White	6500	38	.62	.56	.50		
941-MLCAWTA10XE3	MLCAWT-A1-0000-000XE3	B	Cool White	5000	38	.72	.698	.686		
941-MLCSWTA10XE3	MLCSWT-A1-0000-000XE3	B	Cool White	5000	38	.62	.56	.50		
941-MLCAWTA10XE5	MLCAWT-A1-0000-000XE5	B	Warm White	4000	38	.88	.858	.832		
941-MLCSWTA10XE5	MLCSWT-A1-0000-000XE5	B	Warm White	4000	38	.59	.54	.48		
941-MLCAWTA10WE7	MLCAWT-A1-0000-000WE7	B	Warm White	3000	33.3	.72	.698	.686		
941-MLCSWTA10WE7	MLCSWT-A1-0000-000WE7	B	Warm White	3000	33.3	.57	.52	.46		



XLAMP ML-E SERIES

Lighting-class performance in a 1/2-watt LED

Features:

- Forward Current (max.): 500mA
- Viewing Angle: 120°

Applications:

- T5/T8 bulbs; fluorescent replacement
- Under-cabinet lighting
- Retail and refrigerated display
- Panel lights



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cree Part No.	Fig.	Color	CCT/ Wavelength	Luminous Flux (lm) Typical	Forward Voltage @ 150mA (V)	DC Forward Current (mA)	Price Each		
								1	50	100
941-MLEREDA10U01	MLERED-A1-0000-000U01	B	Red	620-630nm	13.9	2.2	350	.77	.70	.62
941-MLEREDA10V01	MLERED-A1-0000-000V01	B	Red	620-630nm	18.1	2.2	350	.84	.76	.67
941-MLEGRNA10001	MLEGRN-A1-0000-000001	B	Green	520-535nm	35.2	3.45	350	.95	.85	.75
941-MLEGRNA10X01	MLEGRN-A1-0000-000X01	B	Green	520-535nm	30.6	3.45	350	.88	.79	.70
941-MLEBLUA10T01	MLEBLU-A1-0000-000T01	B	Blue	465-485nm	10.7	3.2	350	.88	.79	.70
941-MLEAWTA1R25001E7	MLEAWT-A1-R250-0001E7	B	Warm White	3000K	35.2	3.2	500	1.19	1.09	.715
941-MLEAWTA1R25002E7	MLEAWT-A1-R250-0002E7	B	Warm White	3000K	39.8	3.2	500	1.47	1.35	1.18
941-MLESWTA102E7	MLESWT-A1-0000-0002E7	B	Warm White	3000K	102	3.2	500	.77	.70	.62
941-MLEAWTA1R25004E5	MLEAWT-A1-R250-0004E5	B	Warm White	4000K	51.7	3.2	500	1.29	1.18	.752
941-MLESWTA103E5	MLESWT-A1-0000-0003E5	B	Warm White	4000K	117	3.2	500	.77	.70	.62

