

XLAMP® CMA/CMT LED ARRAYS: HIGH CURRENT

- Optimized for best-in-class lumen output, efficacy and reliability at high drive currents
- Best metal COB reliability in a wide range of LES sizes
- eTone™ LEDs deliver beautiful 90 CRI light quality at the same efficacy as today's standard 80 CRI LEDs



Product Selector: CMA ($T_j = 85^\circ\text{C}$)

Compatible with Cree CXA/CXB optics & holders

XLamp	Light Emitting Surface (mm)	Voltage Options	Typ. Power (W)	Max. Power (W)	4000 K, 70 CRI (Standard)		3000 K, 80 CRI (Standard)		3000 K, 90 CRI (eTone)	
					Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)
CMA1306	6	9V, 18V, 36V	7	16	1,037	144	914	127	---	---
CMA1516	9	36V	16	41	2,439	155	2,150	137	2,043	130
CMA1825	12	36V	24	61	3,823	158	3,370	139	3,202	132
CMA1840	14	36V	38	87	6,012	158	5,300	139	5,035	132
CMA2550	19	36V	48	122	7,770	163	6,850	144	6,508	137
CMA3090	23	48V, 72V	82	174	13,295	163	11,720	144	11,134	137

Product Selector: CMT ($T_j = 85^\circ\text{C}$)

Compatible with Citizen optics & holders

XLamp	Light Emitting Surface (mm)	Voltage Options	Typ. Power (W)	Max. Power (W)	4000 K, 70 CRI (Standard)		3000 K, 80 CRI (Standard)		3000 K, 90 CRI (eTone)	
					Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)
CMT1407	9.8	36V	7	19	1,117	163	985	144	936	137
CMT1412		36V	12	28	1,917	159	1,690	140	1,606	133
CMT1420		36V	19	49	2,961	156	2,610	138	2,480	131
CMT1922	14.5	36V	21	57	3,324	162	2,930	143	2,784	136
CMT1925		36V	24	64	3,834	160	3,380	141	3,211	134
CMT1930		36V	28	77	4,447	162	3,920	142	3,724	135
CMT1945		36V	42	94	6,477	156	5,710	137	5,425	130
CMT2850	22	36V	47	130	7,997	169	7,050	149	6,698	142
CMT2870		54V	71	153	10,720	150	9,450	133	8,978	136
CMT2890		54V	82	181	13,249	162	11,680	143	11,096	135

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CRI & CCT Options: Standard Colors

● = Standard version

▲ = eTone version

Colors	CRI	CCT								XLamp CMA LED					XLamp CMT LED		
		6500K	5700K	5000K	4000K	3500K	3000K	2700K	2200K	1306	1516	1825	1840	2550	14xx	19xx	28xx
Standard	70	○	○	○	○					●	●	●	●	●	●	●	●
	80	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●	●
	90			○	○	○	○	○		●	●▲	●▲	●▲	●▲	●▲	●▲	●▲

CRI & CCT Options: Premium Colors

● = Standard version

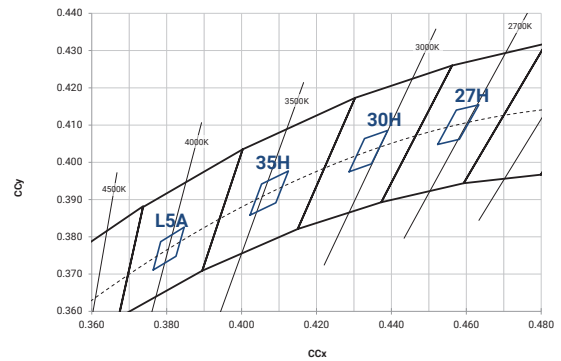
▲ = eTone version

Colors	CRI	CCT						XLamp CMA LED					XLamp CMT LED		
		4000K	3500K	3100K below BBL	3000K	3000K below BBL	2700K	1306	1516	1825	1840	2550	14xx	19xx	28xx
Fidelity	98	L5A	35H		30H	27H	●	●	●	●	●	●	●	●	●
Specialty	80					L7B	●	●	●	●	●	●	●	●	●
	90			31Q		30Q 30U	●	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
	98					L7C	●	●	●	●	●	●	●	●	●

Premium Colors: Fidelity

CCT	Bin	CRI		TM-30	
		Ra	R9	Rf	Rg
4000 K	L5A	97	95	91	99
3500 K	35H	97	97	91	99
3000 K	30H	98	88	93	99
2700 K	27H	98	93	96	101

On BBL for Halogen appearance



Premium Colors: Specialty

CCT	Bin	CRI		TM-30	
		Ra	R9	Rf	Rg
3100 K	31Q	91	56	90	100
3000 K	L7B	84	16	83	96
3000 K	30Q	92	58	89	99
3000 K	30U	92	60	89	101
3000 K	L7C	95	84	92	101

Below BBL for CMH appearance

