

XLAMP® CMA/CMT LEDs: 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
- Premium color options: Fidelity (98 CRI) and Specialty (below BBL)

April 2021 (FS37R3)

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		3000 K, 80 CRI	
					Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)
CMA1303	4.5	9V, 18V, 36V	6	15	885	135	780	119
CMA1306	6	9V, 18V, 36V	7	16	1,037	144	914	127
CMA1516	9	36V	16	41	2,439	155	2,150	137
CMA1825	12	36V	24	61	3,823	158	3,370	139
CMA1840	14	36V	38	87	6,012	158	5,300	139
CMA2550	19	36V	48	122	7,770	163	6,850	144
CMA3090	23	48V, 72V	82	174	13,295	163	11,720	144

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		3000 K, 80 CRI	
					Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)
CMT1407	9.8	36V	7	19	1,117	166	985	146
CMT1412		36V	12	28	1,917	160	1,690	141
CMT1420		36V	19	49	2,961	158	2,610	140
CMT1922	14.5	36V	21	57	3,324	164	2,930	145
CMT1925		36V	24	64	3,834	163	3,380	143
CMT1930		36V	28	77	4,447	162	3,920	142
CMT1945		36V	42	94	6,477	156	5,710	137
CMT2850	22	36V	47	130	7,997	169	7,050	149
CMT2870		54V	71	153	10,720	162	9,450	143
CMT2890		54V	82	181	13,249	162	11,680	143

CRI & CCT OPTIONS: STANDARD COLORS

Colors	CRI	CCT								XLamp CMA LED					XLamp CMT LED			
		6500K	5700K	5000K	4000K	3500K	3000K	2700K	2200K	1303	1306	1516	1825	1840	2550	14xx	19xx	28xx
Standard	70	o	o	o	o					•	•	•	•	•	•	•	•	•
	80	o	o	o	o	o	o	o	o	•	•	•	•	•	•	•	•	•
	90			o	o	o	o	o		•	•	•	•	•	•	•	•	•

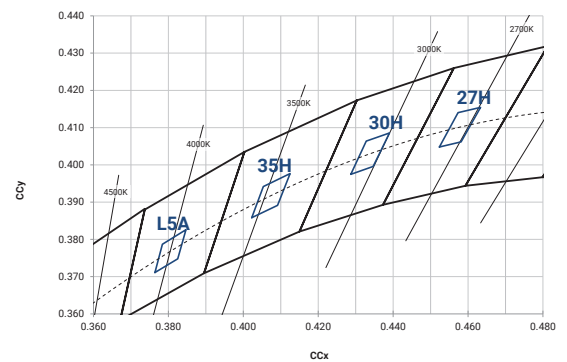
CRI & CCT OPTIONS: PREMIUM COLORS

Colors	CRI	CCT						XLamp CMA LED					XLamp CMT LED			
		4000K	3500K	3100K below BBL	3000K	3000K below BBL	2700K	1303	1306	1516	1825	1840	2550	14xx	19xx	28xx
Fidelity	98	L5A	35H		30H		27H	•	•	•	•	•	•	•	•	•
Standard	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

