

# XLAMP® CMB LEDs

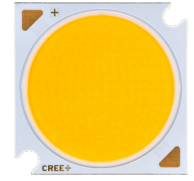
- Drop-in upgrades for Cree LED COB form factors (CMA, CXA, CXB)
- Pro9™ versions offer up to 15% higher efficacy for 90 & 95 CRI
- Optimized for outdoor & premium indoor lighting applications
- Premium color options: Fidelity (98 CRI) and Specialty (below BBL)

March 2023 (FS42R1)

## PRODUCT SELECTOR: CMB (T<sub>j</sub> = 85°C)

Compatible with CMA/CXA/CXB optics & holders

Light Emitting Surface (mm)	XLamp	Voltage Class	Typ. Current (A)	Typ. Voltage (V)	Max. Current (A)	Max. Power (W)	Standard Version 3000 K, 80 CRI		Pro9™ Version 3000 K, 90 CRI	
							Typ. Flux (lm)	Typ. LPW (lm/W)	Typ. Flux (lm)	Typ. LPW (lm/W)
6	CMB1304	9V	0.400	8.3	1.200	12	535	161	545	164
		18V	0.200	16.7	0.600	12	535	161	545	164
		36V	0.100	33.3	0.300	12	535	161	545	164
	CMB1306	18V	0.400	16.7	1.200	23	980	147	1,002	150
36V		0.200	33.3	0.600	23	980	147	1,002	150	
9	CMB1507	18V	0.400	16.8	1.200	23	1,086	162	1,110	167
		36V	0.200	33.5	0.600	23	1,086	162	1,110	167
	CMB1510	18V	0.700	17.0	1.800	35	1,840	155	1,827	154
		36V	0.350	34.0	0.900	35	1,840	155	1,827	154
	CMB1516	36V	0.450	34.0	1.200	46	2,372	155	2,427	159
12	CMB1818	36V	0.500	33.5	1.500	57	2,712	162	2,720	162
	CMB1825	36V	0.700	34.0	1.800	69	3,636	153	3,717	156
14	CMB1840	36V	1.100	34.4	2.400	91	5,590	148	5,773	153
19	CMB2550	36V	1.400	34.0	3.600	137	7,355	155	7,513	158
23	CMB3090	48V	1.800	45.4	3.600	176	12,180	149	12,441	152
		72V	1.200	68.1	2.400	176	12,180	149	12,441	152



CMB1304 CMB1306	CMB1507 CMB1510 CMB1516	CMB1818 CMB1825	CMB1840	CMB2550	CMB3090
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### CRI & CCT OPTIONS

Version	CRI	Standard Colors							
		6500K	5700K	5000K	4000K	3500K	3000K	2700K	2200K
Standard	70	o	o	o	o		o		
	80	o	o	o	o	o	o	o	o
	90		o	o	o	o	o	o	
Pro9™	90			o	o	o	o	o	

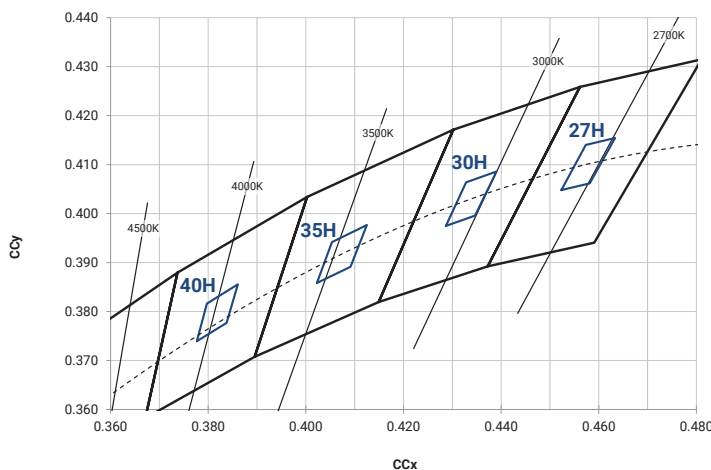
Colors	CRI	Premium Colors					
		4000K	3500K	3100K below BBL	3000K	3000K below BBL	2700K
Fidelity	98	40H	35H		30H		27H
Specialty	90			31Q		30Q 30U	
	95					L7C	

### COLOR RENDERING REFERENCE DATA: PREMIUM COLORS

Metric	Standard Version								Pro9™ Version							
	40H	35H	30H	27H	31Q	30Q	30U	L7C	40H	35H	30H	27H	31Q	30Q	30U	L7C
CRI Ra	97	97	98	98	91	92	92	96	96	98	98	97	93	94	93	96
CRI R9	95	97	92	93	56	58	60	93	86	88	89	88	59	63	61	93
TM-30 Rf	91	91	93	96	90	89	89	92	92	94	94	94	90	92	91	92
TM-30 Rg	99	99	99	101	100	99	101	101	99	100	99	99	98	99	100	101

### PREMIUM COLORS: FIDELITY

On BBL for Halogen appearance



### PREMIUM COLORS: SPECIALTY

Below BBL for CMH appearance

