

XLAMP® CMB LEDs

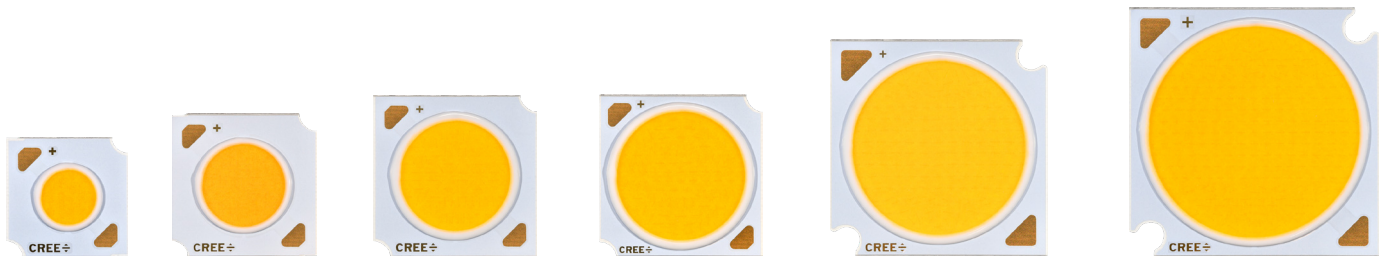
- Drop-in upgrades for Cree LED COB form factors (CMA, CXA, CXB)
- Delivers up to 8% higher LPW than previous generations
- Optimized for outdoor & premium indoor lighting applications
- Premium color options: Fidelity (98 CRI) and Specialty (below BBL)

October 2022 (FS42R0)

PRODUCT SELECTOR: CMB (T_j = 85°C)

Compatible with CMA/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)
CMB1304	6	9V, 18V, 36V	6	12	602	181	535	161
CMB1306		18V, 36V	7	23	1,106	166	980	147
CMB1507	9	18V, 36V	7	23	1,225	183	1,086	162
CMB1510		36V	12	35	2,027	170	1,840	155
CMB1516		36V	15	46	2,696	176	2,372	155
CMB1818	12	36V	17	57	2,960	177	2,712	162
CMB1825		36V	24	69	4,071	171	3,636	153
CMB1840	14	36V	38	91	6,356	168	5,590	148
CMB2550	19	36V	48	137	8,274	174	7,355	155
CMB3090	23	48V, 72V	82	176	13,696	168	12,180	149



CMB1304 CMB1306	CMB1507 CMB1510 CMB1516	CMB1818 CMB1825	CMB1840	CMB2550	CMB3090
--------------------	-------------------------------	--------------------	---------	---------	---------

CRI & CCT OPTIONS: STANDARD COLORS

Colors	CRI	CCT								XLamp CMB LED									
		6500K	5700K	5000K	4000K	3500K	3000K	2700K	2200K	1304	1306	1507	1510	1516	1818	1825	1840	2550	3090
Standard	70	o	o	o	o		o			•	•	•	•	•	•	•	•	•	•
	80	o	o	o	o	o	o	o	o	•	•	•	•	•	•	•	•	•	•
	90		o	o	o	o	o	o		•	•	•	•	•	•	•	•	•	•

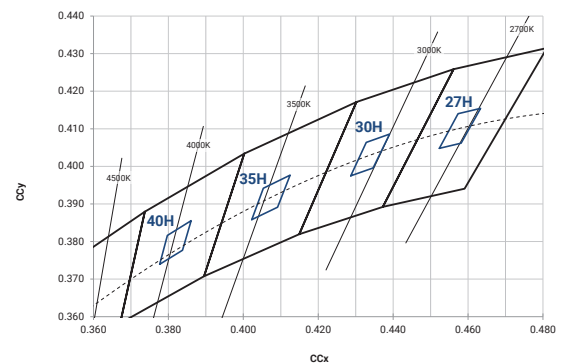
CRI & CCT OPTIONS: PREMIUM COLORS

Colors	CRI	CCT						XLamp CMB LED										
		4000K	3500K	3100K below BBL	3000K	3000K below BBL	2700K	1304	1306	1507	1510	1516	1818	1825	1840	2550	3090	
Fidelity	98	40H	35H		30H		27H	•	•	•	•	•	•	•	•	•	•	•
Specialty	90			31Q		30Q 30U		•	•	•	•	•	•	•	•	•	•	•
	95					L7C		•	•	•	•	•	•	•	•	•	•	•

PREMIUM COLORS: FIDELITY

CCT	Bin	CRI		TM-30	
		Ra	R9	Rf	Rg
4000 K	40H	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	30Q	92	58	89	99
3000 K	30U	92	60	89	101
3000 K	L7C	95	84	92	101

Below BBL for CMH appearance

