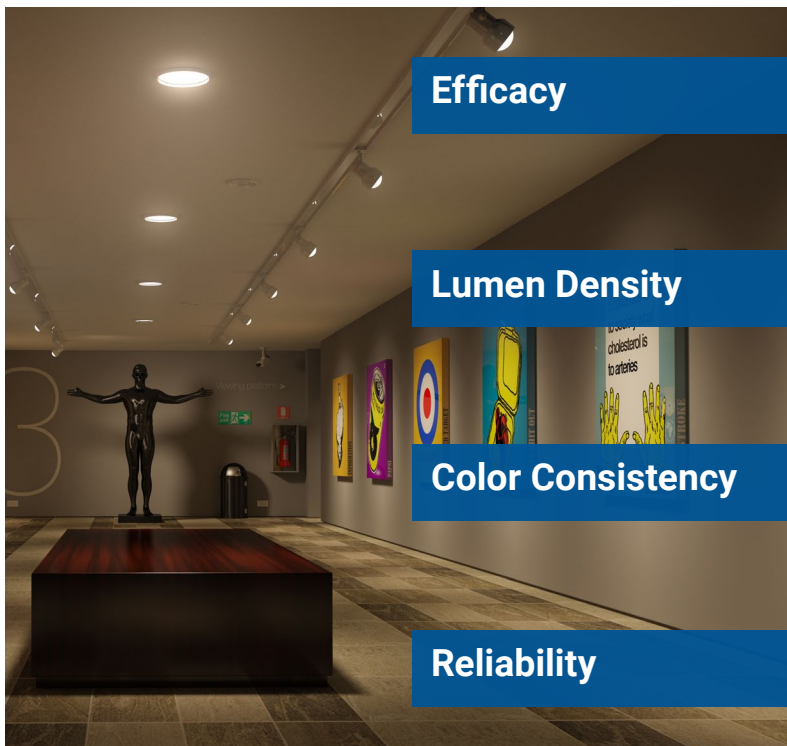


XLAMP® CXA2 LED ARRAYS: PREMIUM COLOR

- Fidelity (98 CRI) and Specialty options
- Industry-best lifetime & color stability
- Design flexibility: 9 mm to 19 mm LES options



Color Quality with No Compromises



- First 110 LPW 98 CRI LEDs
- Up to 50% higher LPW than competition
- Industry's highest density
- Enables smaller form factor luminaires
- Standard 2-step consistency on most offerings
- Industry's best color stability
- 11k hours published LM-80 data

Premium Color Offerings

Fidelity	98 CRI
On BBL for Halogen appearance	4000 K 3500 K 3000 K 2700 K

Specialty	98 CRI	92 CRI	80 CRI
Below BBL for CMH appearance	3000 K	3100 K 3000 K	3000 K



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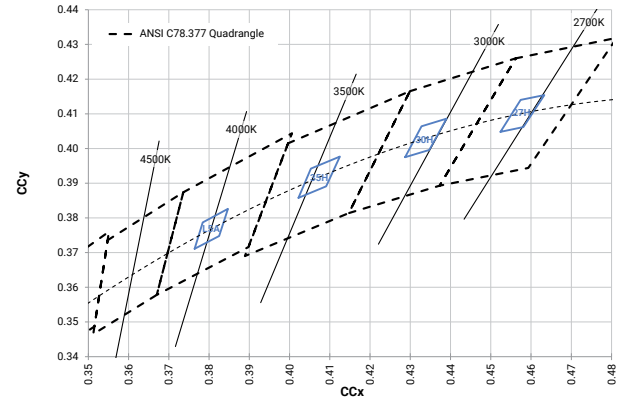
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Fidelity

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

3000K (30H)		Bin Current		Max Current	
CXB	LES	Im	LPW	Im	LPW
1304	6 mm	372	108	778	81
1507	9 mm	757	110	1,274	92
1512	9 mm	1,303	109	2,067	96
1820	12 mm	2,127	110	3,592	90
1830	14 mm	3,098	111	4,916	94
2530	19 mm	2,998	107	5,191	86
2540	19 mm	4,121	108	6,809	87
1310	6 mm	1,191	104	1,969	87
1520	9 mm	1,710	104	3,994	82

Typical flux @ Tj = 85 °C



Specialty

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

3000K (30U)		Bin Current		Max Current	
CXB	LES	Im	LPW	Im	LPW
1304	6 mm	425	123	888	93
1507	9 mm	870	126	1,464	106
1512	9 mm	1,502	125	2,382	110
1820	12 mm	2,451	127	4,139	104
1830	14 mm	3,571	128	5,665	108
2530	19 mm	3,455	123	5,983	99
2540	19 mm	4,749	124	7,847	100
1310	6 mm	1,300	113	2,277	95
1520	9 mm	1,891	115	4,567	94

Typical flux @ Tj = 85 °C

