

# XLAMP® CXA2 LED ARRAYS: HIGH DENSITY

- Unrivaled lumen density
- Optimized for candela & CBCP performance
- Full LED family to replace CMH light sources
- Enables radically new LED lighting form factors for applications like tracks, lamps and downlights



## Product Selector: (T<sub>j</sub> = 85 °C)

XLamp	Light Emitting Surface (mm)	Voltage Options	Typ. Power (W)	Max. Power (W)	4000 K, 70 CRI		3000 K, 80 CRI		3000 K, 90 CRI	
					Typ. Flux (lm)	Max. Flux (lm)	Typ. Flux (lm)	Max. Flux (lm)	Typ. Flux (lm)	Max. Flux (lm)
CXB1310	6	18V 36V	13	24	1,718	3,085	1,520	2,730	1,269	2,279
CXB1520	9	36V	17	49	2,559	6,179	2,265	5,469	1,891	4,566

## Reference Designs

### High Density Mini-Punch 2 Concept - 3000 K, 80 CRI

40° / 2,885 cd

17.6 W / 1392 lm / 79 LPW

#### CXB1310 Enables:

- 38% more light output than previous award-winning CXA HD mini-punch



### High Density Track Concept - 3000 K, 80 CRI

10° / 50,355 cd

41 W / 3900 lm / 95 LPW

#### CXB1520 Enables:

- 70-W CMH performance using 41% less power



## Applications

### Directional

- Track / Spot: Halogen, CMH
- PAR, AR Lamp: Halogen, CMH
- High Ceiling Downlight: CMH



### CRI & CCT Options: Standard Colors

Colors	CRI	CCT								XLamp CXA2 LED (CXBxxxx)	
		6500K	5700K	5000K	4000K	3500K	3000K	2700K	2200K	1310	1520
Standard	70	o	o	o	o					●	●
	80	o	o	o	o	o	o	o	o	●	●
	90			o	o	o	o	o		●	●

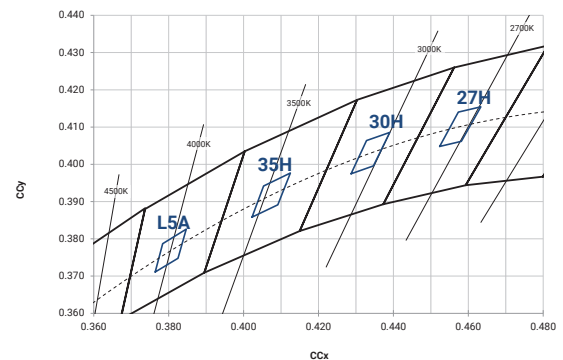
### CRI & CCT Options: Premium Colors

Colors	CRI	CCT						XLamp CXA2 LED (CXBxxxx)	
		4000K	3500K	3100K below BBL	3000K	3000K below BBL	2700K	1310	1520
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

