

PRODUCT FAMILY DATA SHEET

Cree[®] XLamp[®] CXA1507 LED



PRODUCT DESCRIPTION

The XLamp[®] CXA1507 LED array expands Cree's family of high-flux, multi-die arrays in a smaller, easyto-use platform. With XLamp LED lighting-class reliability, the CXA1507's small, uniform emitting surface enables both directional and non-directional lighting applications including lamp retrofit and luminaire designs. Available in 2-step and 4-step color consistency, and featuring a 9-mm optical source, the CXA1507 brings new levels of flux and efficacy to this form factor.

The CXA LED Design Guide provides basic information on the requirements to use the CXA1507 LED successfully in luminaire designs.

FEATURES

- Available in ANSI white bins as well as 4-step and 2-step EasyWhite[®] bins at 2700 K, 3000 K, 3500 K, 4000 K and 5000 K
- Available in ANSI white bins as well as 4-step EasyWhite bins at 5700 K and 6500 K CCT
- Available in 70-, 80-, 90- and 93-minimum CRI options
- Forward voltage options: 18 V & 37 V
- 85 °C binning and characterization
- Maximum drive current: 750 mA (18 V), 375 mA (37 V)
- 115° viewing angle, uniform chromaticity profile
- Top-side solder connections
- Thermocouple attach point
- NEMA SSL-3 2011 standard flux bins
- RoHS- and REACh-compliant
- UL-recognized component (E349212)



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CHARACTERISTICS

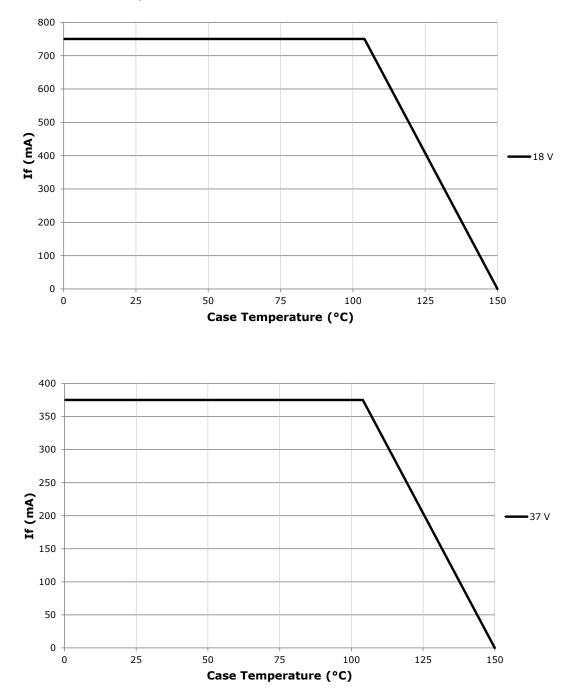
Characteristics	Unit	Minimum	Typical	Maximum
Viewing angle (FWHM)	degrees		115	
ESD withstand voltage (HBM per Mil-Std-883D)	V			8000
DC forward current (18 V)	mA			750*
DC forward current (37 V)	mA			375*
Reverse current 18 V, 37 V)	mA			0.1
Forward voltage (18 V, 400 mA, 85 °C)	V		18.5	
Forward voltage (18 V, 400 mA, 25 °C)	V			21
Forward voltage (37 V, 200 mA, 85 °C)	V		37	
Forward voltage (37 V, 200 mA, 25 °C)	V			42

* Refer to the Operating Limits section.



OPERATING LIMITS

The maximum current rating of the CXA1507 is dependent on the case temperature (Tc) when the LED has reached thermal equilibrium under steady-state operation. Please refer to the Mechanical Dimensions section on page 27 for the location of the Tc measurement point.



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FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 18 V (I_F = 400 mA, T_J = 85 °C)

The following table provides order codes for XLamp CXA1507 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 27).

ССТ	CI	RI	Min.	e Order C Luminous @ 400 m/	s Flux	2	2-Step Order Code		Step Order Code
Range	Min	Тур	Group	Flux (Im) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region	
			G2	780	871				CXA1507-0000-000F00G265F
	70	75	G4	840	938			65F	CXA1507-0000-000F00G465F
	70	/5	H2	900	1005			OOF	CXA1507-0000-000F00H265F
6500 K			H4	970	1084				CXA1507-0000-000F00H465F
0300 K			F4	730	815			65F	CXA1507-0000-000F0HF465F
	80		G2	780	871				CXA1507-0000-000F0HG265F
	80		G4	840	938			UJF	CXA1507-0000-000F0HG465F
			H2	900	1005				CXA1507-0000-000F0HH265F
			G2	780	871				CXA1507-0000-000F00G257F
	70	75	G4	840	938			57F	CXA1507-0000-000F00G457F
	70	/3	H2	900	1005			576	CXA1507-0000-000F00H257F
5700 K			H4	970	1084				CXA1507-0000-000F00H457F
3700 K			F4	730	815			57F	CXA1507-0000-000F0HF457F
	80		G2	780	871				CXA1507-0000-000F0HG257F
	80		G4	840	938				CXA1507-0000-000F0HG457F
			H2	900	1005				CXA1507-0000-000F0HH257F

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 18 V ($I_F = 400 \text{ mA}$, $T_J = 85 \text{ °C}$) - CONTINUED

сст	CI	RI	Min.	e Order C Luminous @ 400 m/	s Flux	2	-Step Order Code	4-	-Step Order Code
Range	Min	Тур	Group	Flux (Im) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region	
			G2	780	871		CXA1507-0000-000F00G250H		CXA1507-0000-000F00G250F
	70	75	G4	840	938	50H	CXA1507-0000-000F00G450H	50F	CXA1507-0000-000F00G450F
	70	/5	H2	900	1005	эоп	CXA1507-0000-000F00H250H	JUF	CXA1507-0000-000F00H250F
			H4	970	1084		CXA1507-0000-000F00H450H		CXA1507-0000-000F00H450F
			F4	730	815		CXA1507-0000-000F0HF450H		CXA1507-0000-000F0HF450F
5000 K	80		G2	780	871	50H	CXA1507-0000-000F0HG250H	FOF	CXA1507-0000-000F0HG250F
5000 K	80		G4	840	938		CXA1507-0000-000F0HG450H	50F	CXA1507-0000-000F0HG450F
			H2	900	1005		CXA1507-0000-000F0HH250H		CXA1507-0000-000F0HH250F
			E4	635	709		CXA1507-0000-000F0UE450H		CXA1507-0000-000F0UE450F
	90	95	F2	680 759	50H	CXA1507-0000-000F0UF250H	50F	CXA1507-0000-000F0UF250F	
	90	95	F4	730	815	эоп	CXA1507-0000-000F0UF450H	50F	CXA1507-0000-000F0UF450F
			G2	780	871		CXA1507-0000-000F0UG250H		CXA1507-0000-000F0UG250F
			F4	730	815		CXA1507-0000-000F00F440H		CXA1507-0000-000F00F440F
			G2	780	871		CXA1507-0000-000F00G240H		CXA1507-0000-000F00G240F
	70	75	G4	840	938	40H	CXA1507-0000-000F00G440H	40F	CXA1507-0000-000F00G440F
			H2	900	1005		CXA1507-0000-000F00H240H		CXA1507-0000-000F00H240F
			H4	970	1084		CXA1507-0000-000F00H440H		CXA1507-0000-000F00H440F
4000 K			F4	730	815		CXA1507-0000-000F0HF440H		CXA1507-0000-000F0HF440F
4000 K	80		G2	780	871	40H	CXA1507-0000-000F0HG240H	40F	CXA1507-0000-000F0HG240F
			G4	840	938		CXA1507-0000-000F0HG440H		CXA1507-0000-000F0HG440F
			E2	590		CXA1507-0000-000F0UE240H		CXA1507-0000-000F0UE240F	
		05	E4	635	709		CXA1507-0000-000F0UE440H		CXA1507-0000-000F0UE440F
	90	95	F2	40H	40F	CXA1507-0000-000F0UF240F			
			F4	730	815		CXA1507-0000-000F0UF440H		CXA1507-0000-000F0UF440F

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 18 V (I $_{\rm F}$ = 400 mA, T $_{\rm J}$ = 85 °C) - CONTINUED

сст	C	RI	Min.	e Order C Luminous @ 400 m/	s Flux	2.	-Step Order Code	4.	Step Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region	
			F2	680	759		CXA1507-0000-000F00F235H		CXA1507-0000-000F00F235F
			F4	730	815		CXA1507-0000-000F00F435H		CXA1507-0000-000F00F435F
	80		G2	780	871	35H	CXA1507-0000-000F00G235H	35F	CXA1507-0000-000F00G235F
			G4	840	938		CXA1507-0000-000F00G435H		CXA1507-0000-000F00G435F
3500 K			H2	900	1005		CXA1507-0000-000F00H235H		CXA1507-0000-000F00H235F
			D4	550	614		CXA1507-0000-000F0YD435H		CXA1507-0000-000F0YD435F
	93	95	E2	590	659	35H	CXA1507-0000-000F0YE235H	35F	CXA1507-0000-000F0YE235F
	93	95	E4	635	709	220	CXA1507-0000-000F0YE435H	225	CXA1507-0000-000F0YE435
			F2	680	759		CXA1507-0000-000F0YF235H		CXA1507-0000-000F0YF235F
			F2	680	759		CXA1507-0000-000F00F230H		CXA1507-0000-000F00F230F
	80		F4	730	815	30H	CXA1507-0000-000F00F430H	30F	CXA1507-0000-000F00F430F
	80		G2	780	871	301	CXA1507-0000-000F00G230H		CXA1507-0000-000F00G230F
3000 K			G4	840	938		CXA1507-0000-000F00G430H		CXA1507-0000-000F00G430F
3000 K			D2	510	569		CXA1507-0000-000F0YD230H		CXA1507-0000-000F0YD230F
	93	95	D4	550	614	30H	CXA1507-0000-000F0YD430H	30F	CXA1507-0000-000F0YD430F
	55	55	E2	590	659	5011	CXA1507-0000-000F0YE230H	501	CXA1507-0000-000F0YE230F
			E4	635	709		CXA1507-0000-000F0YE430H		CXA1507-0000-000F0YE430F
			E4	635	709		CXA1507-0000-000F00E427H		CXA1507-0000-000F00E427F
			F2	680	759		CXA1507-0000-000F00F227H		CXA1507-0000-000F00F227F
	80		F4	730	815	27H	CXA1507-0000-000F00F427H	27F	CXA1507-0000-000F00F427F
			G2	780	871		CXA1507-0000-000F00G227H		CXA1507-0000-000F00G227F
2700 K			G4	840	938		CXA1507-0000-000F00G427H		CXA1507-0000-000F00G427F
	C4	C4	475	530		CXA1507-0000-000F0YC427H		CXA1507-0000-000F0YC427F	
	02	05	D2	510	569		CXA1507-0000-000F0YD227H	275	CXA1507-0000-000F0YD227F
	93	3 95 27H 27H	CXA1507-0000-000F0YD427H	27F	CXA1507-0000-000F0YD427F				
			E2	590	659		CXA1507-0000-000F0YE227H		CXA1507-0000-000F0YE227F

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 18 V (I_F = 400 mA, T_J = 85 °C)

The following table provides order codes for XLamp CXA1507 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 27).

сст	CI	RI		Base Order Cod lin. Luminous F @ 400 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			G2	780	871		CXA1507-0000-000F00G20E1
	70	75	G4	840	938	1A0, 1B0, 1C0, 1D0	CXA1507-0000-000F00G40E1
	70	/5	H2	900	1005	1AU, 1BU, 1CU, 1DU	CXA1507-0000-000F00H20E1
6500 K			H4	970	1084		CXA1507-0000-000F00H40E1
0500 K		F4	F4	730	815		CXA1507-0000-000F0HF40E1
	80		G2	780	871	1A0, 1B0, 1C0, 1D0	CXA1507-0000-000F0HG20E1
	80		G4	840	938		CXA1507-0000-000F0HG40E1
			H2	900	1005		CXA1507-0000-000F0HH20E1
			G2	780	871		CXA1507-0000-000F00G20E2
	70	75	G4	840	938	2A0, 2B0, 2C0, 2D0	CXA1507-0000-000F00G40E2
	70	/ 5	H2	900	1005	ZAU, ZBU, ZCU, ZDU	CXA1507-0000-000F00H20E2
5700 K			H4	970	1084		CXA1507-0000-000F00H40E2
5700 K			F4	730	815		CXA1507-0000-000F0HF40E2
	80		G2	780	871	2A0, 2B0, 2C0, 2D00	CXA1507-0000-000F0HG20E2
	80		G4	840	938	ZAU, 200, 200, 2000	CXA1507-0000-000F0HG40E3
			H2	900	1005		CXA1507-0000-000F0HH20E3

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 18 V ($I_F = 400 \text{ mA}$, $T_J = 85 \text{ °C}$) - CONTINUED

ССТ	С	RI		Base Order Cod 1in. Luminous F @ 400 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			G2	780	871		CXA1507-0000-000F00G20E3
	70	75	G4	840	938	3A0, 3B0, 3C0, 3D0	CXA1507-0000-000F00G40E3
	70	75	H2	900	1005	SAU, SBU, SCU, SDU	CXA1507-0000-000F00H20E3
			H4	970	1084		CXA1507-0000-000F00H40E3
			F4	730	815		CXA1507-0000-000F0HF40E3
5000 K	80		G2	780	871		CXA1507-0000-000F0HG20E3
5000 K	80		G4	840	938	3A0, 3B0, 3C0, 3D0	CXA1507-0000-000F0HG40E3
			H2	900	1005		CXA1507-0000-000F0HH20E3
			E4	635	709		CXA1507-0000-000F0UE40E3
	90	95	F2	680	759	3A0, 3B0, 3C0, 3D0	CXA1507-0000-000F0UF20E3
90	95	F4	730	815	JAU, 300, 300, 300	CXA1507-0000-000F0UF40E3	
			G2	781	871		CXA1507-0000-000F0UG20E3
			F4	730	815		CXA1507-0000-000F00F40E5
			G2	780	871	-	CXA1507-0000-000F00G20E5
	70	75	G4	840	938	5A0, 5B0, 5C0, 5D0	CXA1507-0000-000F00G40E5
			H2	900	1005		CXA1507-0000-000F00H20E5
			H4	970	1084		CXA1507-0000-000F00H40E5
			F4	780	815		CXA1507-0000-000F0HF40E5
4000 K	80		G2	780	871		CXA1507-0000-000F0HG20E5
	80		G4	840	938	5A0, 5B0, 5C0, 5D0	CXA1507-0000-000F0HG40E5
			H2	900	1005		CXA1507-0000-000F0HH20E5
			E2	590	659		CXA1507-0000-000F0UE20E5
	90	95	E4	635	709	5A0, 5B0, 5C0, 5D0	CXA1507-0000-000F0UE40E5
	90	95	F2	680	759		CXA1507-0000-000F0UF20E5
			F4	730	815		CXA1507-0000-000F0UF40E5

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 18 V (I_F = 400 mA, T_J = 85 °C) - CONTINUED

CCT Range	CI	RI		Base Order Cod lin. Luminous F @ 400 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			F2	680	759		CXA1507-0000-000F00F20E6
			F4	730	815		CXA1507-0000-000F00F40E6
	80		G2	780	871	6A0, 6B0, 6C0, 6D0	CXA1507-0000-000F00G20E6
			G4	840	938		CXA1507-0000-000F00G40E6
3500 K			H2	900	1005		CXA1507-0000-000F00H20E6
			D4	550	614		CXA1507-0000-000F0YD40E6
	93	95	E2	590	659		CXA1507-0000-000F0YE20E6
	93	93	E4	635	709	6A0, 6B0, 6C0, 6D0	CXA1507-0000-000F0YE40E6
			F2	680	759		CXA1507-0000-000F0YF20E6
			F2	680	759		CXA1507-0000-000F00F20E7
	80		F4	730	815		CXA1507-0000-000F00F40E7
	80		G2	780	871	7A0, 7B0, 7C0, 7D0	CXA1507-0000-000F00G20E7
3000 K			G4	840	938		CXA1507-0000-000F00G40E7
3000 K			D2	510	569	7A0, 7B0, 7C0, 7D0	CXA1507-0000-000F0YD20E7
	93	95	D4	550	614		CXA1507-0000-000F0YD40E7
	93	93	E2	590	659		CXA1507-0000-000F0YE20E7
			E4	635	709		CXA1507-0000-000F0YE40E7
			E4	635	709		CXA1507-0000-000F00E40E8
			F2	680	759		CXA1507-0000-000F00F20E8
	80		F4	730	815	8A0, 8B0, 8C0, 8D0	CXA1507-0000-000F00F40E8
			G2	780	871		CXA1507-0000-000F00G20E8
2700 K			G4	840	938		CXA1507-0000-000F00G40E8
			C4	475	530		CXA1507-0000-000F0YC40E8
	93	95	D2	510	569	8A0, 8B0, 8C0, 8D0	CXA1507-0000-000F0YD20E8
	92	95	D4	550	614		CXA1507-0000-000F0YD40E8
			E2	590	659		CXA1507-0000-000F0YE20E8

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 37 V ($I_F = 200 \text{ mA}$, $T_J = 85 \text{ °C}$)

The following table provides order codes for XLamp CXA1507 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 27).

ССТ	CI	RI	Min.	e Order C Luminous @ 200 m/	s Flux	2	2-Step Order Code		-Step Order Code	
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region		
			G2	780	871				CXA1507-0000-000N00G265F	
	70	75	G4	840	938			65F	CXA1507-0000-000N00G465F	
	70	/5	H2	900	1005			0.51	CXA1507-0000-000N00H265F	
6500 K			H4	970	1084				CXA1507-0000-000N00H465F	
0300 K			F4	730	815			65F	CXA1507-0000-000N0HF465F	
	80		G2	780	871				CXA1507-0000-000N0HG265F	
	00		G4	840	938			051	CXA1507-0000-000N0HG465F	
			H2	900	1005				CXA1507-0000-000N0HH265F	
			G2	780	871				CXA1507-0000-000N00G257F	
	70	75	G4	840	938			57F	CXA1507-0000-000N00G457F	
	70	/3	H2	900	1005			575	CXA1507-0000-000N00H257F	
5700 K			H4	970	1084				CXA1507-0000-000N00H457F	
3700 K			F4	730	815			57F	CXA1507-0000-000N0HF457F	
	80		G2	780	871				CXA1507-0000-000N0HG257F	
	80	80)	G4	840	938			575	CXA1507-0000-000N0HG457F
			H2	900	1005				CXA1507-0000-000N0HH257F	

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 37 V (I $_{\rm F}$ = 200 mA, T $_{\rm J}$ = 85 °C) - CONTINUED

сст	CI	RI	Min.	e Order C Luminous @ 200 m/	s Flux	2	-Step Order Code	4-Step Order Code		
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region		
			G2	780	871		CXA1507-0000-000N00G250H		CXA1507-0000-000N00G250F	
	70	75	G4	840	938	50H	CXA1507-0000-000N00G450H	50F	CXA1507-0000-000N00G450F	
	70	/5	H2	900	1005	эли	CXA1507-0000-000N00H250H	JUF	CXA1507-0000-000N00H250F	
			H4	970	1084		CXA1507-0000-000N00H450H		CXA1507-0000-000N00H450	
			F4	730	815		CXA1507-0000-000N0HF450H		CXA1507-0000-000N0HF450F	
5000 K	80		G2	780	871	50H	CXA1507-0000-000N0HG250H	50F	CXA1507-0000-000N0HG250	
5000 K	80		G4	840	938	эли	CXA1507-0000-000N0HG450H	JUF	CXA1507-0000-000N0HG450	
			H2	900	1005		CXA1507-0000-000N0HH250H		CXA1507-0000-000N0HH250	
			E4	635	709		CXA1507-0000-000N0UE450H		CXA1507-0000-000N0UE450	
	90	95	F2 680 7	759	50H	CXA1507-0000-000N0UF250H	50F	CXA1507-0000-000N0UF250		
	90	95	F4	730	815	эли	CXA1507-0000-000N0UF450H	506	CXA1507-0000-000N0UF450	
			G2	780	871		CXA1507-0000-000N0UG250H		CXA1507-0000-000N0UG250	
			F4	730	815		CXA1507-0000-000N00F440H		CXA1507-0000-000N00F440F	
			G2	780	871		CXA1507-0000-000N00G240H		CXA1507-0000-000N00G240	
	70	75	G4	840	938	40H	CXA1507-0000-000N00G440H	40F	CXA1507-0000-000N00G440	
			H2	900	1005		CXA1507-0000-000N00H240H		CXA1507-0000-000N00H240	
			H4	970	1084		CXA1507-0000-000N00H440H		CXA1507-0000-000N00H440	
1000 1/			F4	730	815		CXA1507-0000-000N0HF440H		CXA1507-0000-000N0HF440	
4000 K	80		G2	780	871	40H	CXA1507-0000-000N0HG240H	40F	CXA1507-0000-000N0HG240	
	60 -		G4	840	938		CXA1507-0000-000N0HG440H		CXA1507-0000-000N0HG440	
			E2	590	659		CXA1507-0000-000N0UE240H		CXA1507-0000-000N0UE240	
	00	05	E4	635	709	(CXA1507-0000-000N0UE440H	40F	CXA1507-0000-000N0UE440	
	90	95	F2	680	759	40H	CXA1507-0000-000N0UF240H		CXA1507-0000-000N0UF240	
			F4	730	815		CXA1507-0000-000N0UF440H		CXA1507-0000-000N0UF440	

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 37 V ($I_F = 200 \text{ mA}$, $T_J = 85 \text{ °C}$) - CONTINUED

сст	C	RI	Min.	e Order C Luminous @ 200 m/	s Flux	2	2-Step Order Code		-Step Order Code
Range	Min	Тур	Group	Flux (Im) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region	
			F2	680	759		CXA1507-0000-000N00F235H		CXA1507-0000-000N00F235F
			F4	730	815		CXA1507-0000-000N00F435H		CXA1507-0000-000N00F435F
	80		G2	780	871	35H	CXA1507-0000-000N00G235H	35F	CXA1507-0000-000N00G235F
			G4	840	938		CXA1507-0000-000N00G435H		CXA1507-0000-000N00G435F
3500 K			H2	900	1005		CXA1507-0000-000N00H235H		CXA1507-0000-000N00H235F
			D4	550	614		CXA1507-0000-000N0YD435H		CXA1507-0000-000N0YD435F
	93	95	E2	590	659	35H	CXA1507-0000-000N0YE235H	35F	CXA1507-0000-000N0YE235F
	93	93	E4	635	709	1166	CXA1507-0000-000N0YE435H	301	CXA1507-0000-000N0YE435
			F2	680	759		CXA1507-0000-000N0YF235H		CXA1507-0000-000N0YF235F
			F2	680	759		CXA1507-0000-000N00F230H	30F	CXA1507-0000-000N00F230F
	80		F4	730	815	30H	CXA1507-0000-000N00F430H		CXA1507-0000-000N00F430F
	80		G2	780	871	5011	CXA1507-0000-000N00G230H	501	CXA1507-0000-000N00G230F
			G4	840	938		CXA1507-0000-000N00G430H		CXA1507-0000-000N00G430F
			D4	550	614		CXA1507-0000-000N0UD430H		CXA1507-0000-000N0UD430F
3000 K	90		E2	590	659	30H	CXA1507-0000-000N0UE230H	30F	CXA1507-0000-000N0UE230F
			E4	635	709		CXA1507-0000-000N0UE430H		CXA1507-0000-000N0UE430F
			D2	510	569	569 C 614 30H	CXA1507-0000-000N0YD230H		CXA1507-0000-000N0YD230F
	93	95	D4	550	614		CXA1507-0000-000N0YD430H	30F	CXA1507-0000-000N0YD430F
	55	55	E2	590	659		CXA1507-0000-000N0YE230H	501	CXA1507-0000-000N0YE230F
			E4	635	709		CXA1507-0000-000N0YE430H		CXA1507-0000-000N0YE430F

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 37 V (I $_{\rm F}$ = 200 mA, T $_{\rm J}$ = 85 °C) - CONTINUED

сст	CI	RI	Min.	e Order C Luminous @ 200 m/	s Flux	2.	2-Step Order Code		Step Order Code	
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Region		Chromaticity Region		
			E4	635	709		CXA1507-0000-000N00E427H		CXA1507-0000-000N00E427F	
			F2	680	759		CXA1507-0000-000N00F227H		CXA1507-0000-000N00F227F	
	80		F4	730	815	27H	CXA1507-0000-000N00F427H	27F	CXA1507-0000-000N00F427F	
			G2	780	871		CXA1507-0000-000N00G227H		CXA1507-0000-000N00G227F	
			G4	840	938		CXA1507-0000-000N00G427H		CXA1507-0000-000N00G427F	
			C4	475	530		CXA1507-0000-000N0UC427H		CXA1507-0000-000N0UC427F	
2700 K	90		D2	510	569	27H	CXA1507-0000-000N0UD227H	27F	CXA1507-0000-000N0UD227F	
	90		D4	550	614	2711	CXA1507-0000-000N0UD427H	271	CXA1507-0000-000N0UD427F	
			E2	590	659		CXA1507-0000-000N0UE227H		CXA1507-0000-000N0UE227F	
			C4	475	530		CXA1507-0000-000N0YC427H		CXA1507-0000-000N0YC427F	
	02	93		D2	510	569	2711	CXA1507-0000-000N0YD227H	275	CXA1507-0000-000N0YD227F
	32	90	D4	550	614	27H	CXA1507-0000-000N0YD427H	27F	CXA1507-0000-000N0YD427F	
			E2 590 659		CXA1507-0000-000N0YE227H		CXA1507-0000-000N0YE227F			

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 37 V ($I_F = 200 \text{ mA}, T_J = 85 \text{ °C}$)

The following table provides order codes for XLamp CXA1507 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 27).

сст	C	RI		Base Order Cod lin. Luminous F @ 200 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			G2	780	871		CXA1507-0000-000N00G20E1
	70	75	G4	840	938	1A0, 1B0, 1C0, 1D0	CXA1507-0000-000N00G40E1
	70	/5	H2	900	1005	1AU, 1BU, 1CU, 1DU	CXA1507-0000-000N00H20E1
6500 K			H4	970	1084		CXA1507-0000-000N00H40E1
0000 K			F4	730	815		CXA1507-0000-000N0HF40E1
	80		G2	780	871	1A0, 1B0, 1C0, 1D0	CXA1507-0000-000N0HG20E1
	80		G4	840	938	1A0, 1B0, 1C0, 1D0	CXA1507-0000-000N0HG40E1
			H2	900	1005		CXA1507-0000-000N0HH20E1
			G2	780	871		CXA1507-0000-000N00G20E2
	70	75	G4	840	938	2A0, 2B0, 2C0, 2D0	CXA1507-0000-000N00G40E2
	70	/5	H2	900	1005	2A0, 2D0, 2C0, 2D0	CXA1507-0000-000N00H20E2
5700 K			H4	970	1084		CXA1507-0000-000N00H40E2
5700 K			F4	730	815		CXA1507-0000-000N0HF40E2
	80		G2	780	871	2A0, 2B0, 2C0, 2D00	CXA1507-0000-000N0HG20E2
	80		G4	840	938	240, 200, 200, 2000	CXA1507-0000-000N0HG40E3
			H2	900	1005		CXA1507-0000-000N0HH20E3

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 37 V (I_F = 200 mA, T_J = 85 °C) - CONTINUED

ССТ	CI	RI		Base Order Cod lin. Luminous F @ 200 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			G2	780	871		CXA1507-0000-000N00G20E3
	70	75	G4	840	938	240 280 200 200	CXA1507-0000-000N00G40E3
	70	75	H2	900	1005	3A0, 3B0, 3C0, 3D0	CXA1507-0000-000N00H20E3
			H4	970	1084		CXA1507-0000-000N00H40E3
			F4	730	815		CXA1507-0000-000N0HF40E3
5000 K	80		G2	780	871	3A0, 3B0, 3C0, 3D0	CXA1507-0000-000N0HG20E3
3000 K	80		G4	840	938	JAU, JBU, JCU, JDU	CXA1507-0000-000N0HG40E3
			H2	900	1005		CXA1507-0000-000N0HH20E3
			E4	635	709		CXA1507-0000-000N0UE40E3
	90	95	F2	680	759	240 280 200 200	CXA1507-0000-000N0UF20E3
	90	95	F4	730	815	3A0, 3B0, 3C0, 3D0	CXA1507-0000-000N0UF40E3
			G2	781	871		CXA1507-0000-000N0UG20E3
			F4	730	815		CXA1507-0000-000N00F40E5
			G2	780	871		CXA1507-0000-000N00G20E5
	70	75	G4	840	938	5A0, 5B0, 5C0, 5D0	CXA1507-0000-000N00G40E5
			H2	900	1005		CXA1507-0000-000N00H20E5
			H4	970	1084		CXA1507-0000-000N00H40E5
			F4	780	815		CXA1507-0000-000N0HF40E5
4000 K	80		G2	780	871		CXA1507-0000-000N0HG20E5
	80		G4	840	938	5A0, 5B0, 5C0, 5D0	CXA1507-0000-000N0HG40E5
			H2	900	1005		CXA1507-0000-000N0HH20E5
			E2	590	659		CXA1507-0000-000N0UE20E5
	90	95	E4	635	709		CXA1507-0000-000N0UE40E5
	90	90	F2	680	759	5A0, 5B0, 5C0, 5D0	CXA1507-0000-000N0UF20E5
			F4	730	815		CXA1507-0000-000N0UF40E5

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 37 V ($I_F = 200 \text{ mA}$, $T_J = 85 \text{ °C}$) - CONTINUED

CCT	С	RI		Base Order Cod lin. Luminous F @ 200 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			F2	680	759		CXA1507-0000-000N00F20E6
			F4	730	815		CXA1507-0000-000N00F40E6
	80		G2	780	871	6A0, 6B0, 6C0, 6D0	CXA1507-0000-000N00G20E6
			G4	840	938		CXA1507-0000-000N00G40E6
3500 K			H2	900	1005		CXA1507-0000-000N00H20E6
			D4	550	614		CXA1507-0000-000N0YD40E6
	93	95	E2	590	659		CXA1507-0000-000N0YE20E6
	93	95	E4	635	709	6A0, 6B0, 6C0, 6D0	CXA1507-0000-000N0YE40E6
			F2	680	759		CXA1507-0000-000N0YF20E6
			F2	680	759		CXA1507-0000-000N00F20E7
	80		F4	730	815	7A0, 7B0, 7C0, 7D0	CXA1507-0000-000N00F40E7
	80		G2	780	871	7AU, 7BU, 7CU, 7DU	CXA1507-0000-000N00G20E7
			G4	840	938		CXA1507-0000-000N00G40E7
			D4	550	614		CXA1507-0000-000N0UD40E7
3000 K	90		E2	590	659	7A0, 7B0, 7C0, 7D0	CXA1507-0000-000N0UE20E7
			E4	635	709		CXA1507-0000-000N0UE40E7
			D2	510	569		CXA1507-0000-000N0YD20E7
	02	OF	D4	550	614		CXA1507-0000-000N0YD40E7
	93	95	E2	590	659	7A0, 7B0, 7C0, 7D0	CXA1507-0000-000N0YE20E7
			E4	635	709		CXA1507-0000-000N0YE40E7

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.

FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS - 37 V ($I_F = 200 \text{ mA}$, $T_J = 85 \text{ °C}$) - CONTINUED

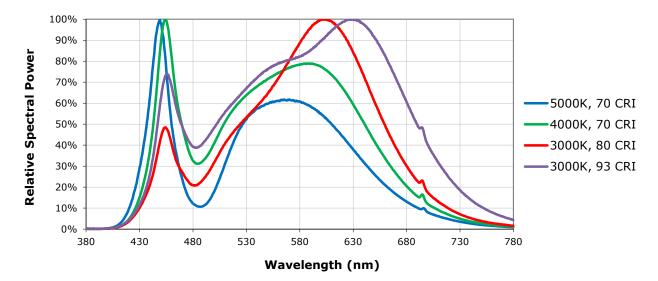
ССТ	C	RI		Base Order Cod lin. Luminous F @ 200 mA		Chromaticity Regions	Order Code
Range	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*		
			E4	635	709		CXA1507-0000-000N00E40E8
			F2	680	759		CXA1507-0000-000N00F20E8
	80		F4	730	815	8A0, 8B0, 8C0, 8D0	CXA1507-0000-000N00F40E8
			G2	780	871		CXA1507-0000-000N00G20E8
			G4	840	938		CXA1507-0000-000N00G40E8
			C4	475	530		CXA1507-0000-000N0UC40E8
2700 K	90		D2	510	569		CXA1507-0000-000N0UD20E8
	90		D4	550	614	8A0, 8B0, 8C0, 8D0	CXA1507-0000-000N0UD40E8
			E2	5901	659		CXA1507-0000-000N0UE20E8
			C4	475	530		CXA1507-0000-000N0YC40E8
	93	95	D2	510	569		CXA1507-0000-000N0YD20E8
	93	95	D4	550	614	8A0, 8B0, 8C0, 8D0	CXA1507-0000-000N0YD40E8
			E2	590	659		CXA1507-0000-000N0YE20E8

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and a tolerance of ±2 on CRI measurements. See the Measurements section (page 30).
- * Flux values @ 25 °C are calculated and for reference only.



RELATIVE SPECTRAL POWER DISTRIBUTION (18 V, I_F = 400 \text{ mA}; 37 V, I_F = 200 \text{ mA}, T_J = 85 \text{ °C})

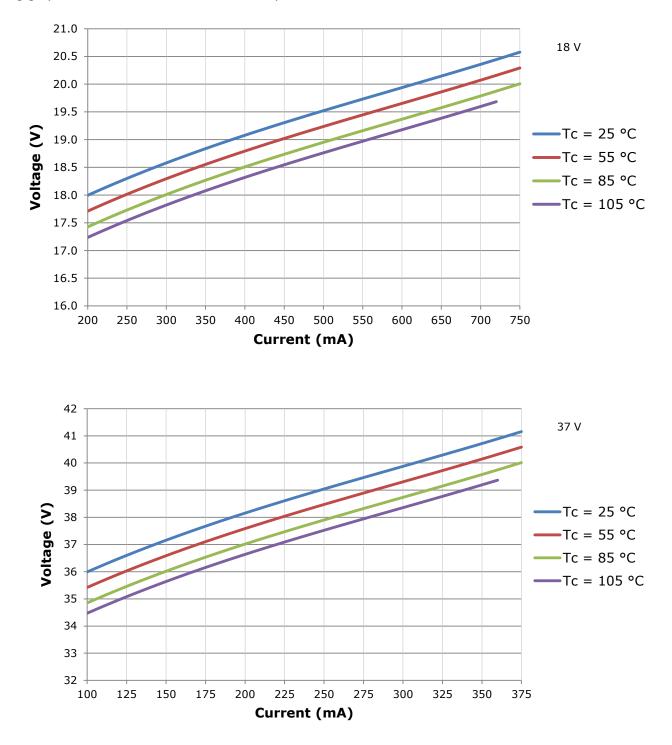
The following graph is the result of a series of pulsed measurements at 400 mA for the 18-V CXA1507 LED and 200 mA for the 37-V CXA1507 LED and $T_1 = 85$ °C.





ELECTRICAL CHARACTERISTICS

The following graphs are the result of a series of steady-state measurements.



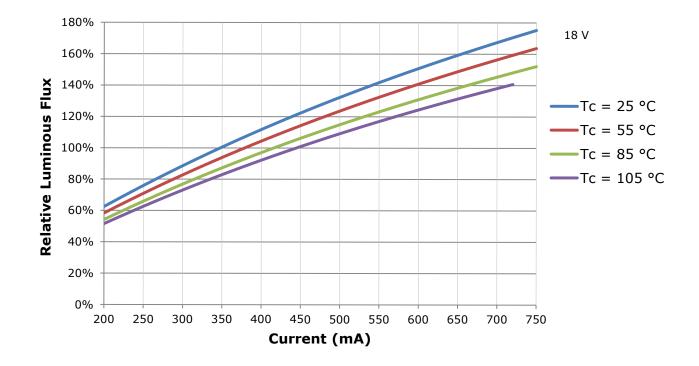


RELATIVE LUMINOUS FLUX

The relative luminous flux values provided below are the ratio of:

- · Measurements of CXA1507 at steady-state operation at the given conditions, divided by
- Flux measured during binning, which is a pulsed measurement at 400 mA at $T_1 = 85$ °C for the 18-V CXA1507 LED.

Using the 18-V CXA1507 LED as an example, at steady-state operation of Tc = 55 °C, $I_F = 600$ mA, the relative luminous flux ratio is 140% in the chart below. A CXA1507 LED that measures 710 lm during binning will deliver 994 lm (710 * 1.4) at steady-state operation of Tc = 55 °C, $I_F = 600$ mA.

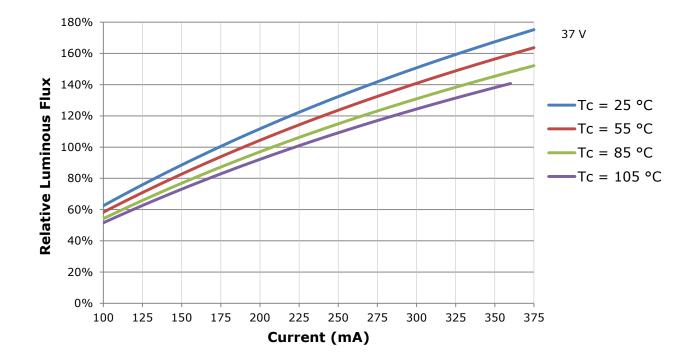


RELATIVE LUMINOUS FLUX - CONTINUED

The relative luminous flux values provided below are the ratio of:

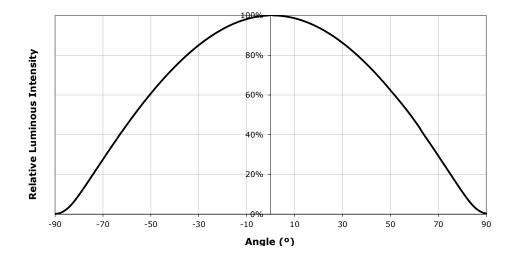
- Measurements of CXA1507 at steady-state operation at the given conditions, divided by
- Flux measured during binning, which is a pulsed measurement at 200 mA at $T_1 = 85$ °C for the 37-V CXA1507 LED.

Using the 37-V CXA1507 LED as an example, at steady-state operation of Tc = 55 °C, $I_F = 300$ mA, the relative luminous flux ratio is 140% in the chart below. A CXA1507 LED that measures 710 lm during binning will deliver 994 lm (710 * 1.4) at steady-state operation of Tc = 55 °C, $I_F = 300$ mA.





TYPICAL SPATIAL DISTRIBUTION



PERFORMANCE GROUPS - BRIGHTNESS (18 V, $I_F = 400 \text{ mA}$; 37 V, $I_F = 200 \text{ mA}$, $T_J = 85 \text{ °C}$)

XLamp CXA1507 LEDs are tested for luminous flux and placed into one of the following bins.

Group Code	Min. Luminous Flux	Max. Luminous Flux
C4	475	510
D2	510	550
D4	550	590
E2	590	635
E4	635	680
F2	680	730
F4	730	780
G2	780	840
G4	840	900
H2	900	970
H4	970	1040
J2	1040	1120



PERFORMANCE GROUPS - CHROMATICITY (T₁ = 85 °C)

XLamp CXA1507 LEDs are tested for chromaticity and placed into one of the regions defined by the following bounding coordinates.

EasyWhi	te Color Ter	nperatures	– 4-Step
Code	ССТ	x	У
		0.3097	0.3196
65F	6500 K	0.3079	0.3297
035	0300 K	0.3164	0.3382
		0.3176	0.3275
		0.3253	0.3325
57F	5700 K	0.3249	0.3439
571	5700 K	0.3331	0.3514
		0.3330	0.3393
		0.3407	0.3459
50F	5000 K	0.3415	0.3586
501	J000 K	0.3499	0.3654
		0.3484	0.3521
		0.3744	0.3685
40F	4000 K	0.3782	0.3837
401	4000 K	0.3912	0.3917
		0.3863	0.3758
		0.3981	0.3800
35F	3500 K	0.4040	0.3966
221	3300 K	0.4186	0.4037
		0.4116	0.3865
		0.4242	0.3919
30F	3000 K	0.4322	0.4096
30F	3000 K	0.4449	0.4141
		0.4359	0.3960
		0.4475	0.3994
275	2700 K	0.4573	0.4178
27F	2700 K	0.4695	0.4207
		0.4589	0.4021

EasyWhi	te Color Ter	nperatures	– 2-Step
Code	ССТ	x	У
		0.3429	0.3507
50H	5000 K	0.3434	0.3571
50H	5000 K	0.3475	0.3604
		0.3469	0.3539
		0.3784	0.3741
40H	4000 K	0.3804	0.3818
4011	4000 K	0.3867	0.3857
		0.3844	0.3778
		0.4030	0.3857
35H	3500 K	0.4061	0.3941
5511	3300 K	0.4132	0.3976
		0.4099	0.3890
		0.4291	0.3973
30H	3000 K	0.4333	0.4062
2011	3000 K	0.4395	0.4084
		0.4351	0.3994
		0.4528	0.4046
27H	2700 K	0.4578	0.4138
2/П	2700 K	0.4638	0.4152
		0.4586	0.4060



PERFORMANCE GROUPS - CHROMATICITY (T₁ = 85 °C) - CONTINUED

	ANS	I White I	Bins			ANS	I White B	Bins	
Code	сст	Bin Code	x	У	Code	ССТ	Bin Code	x	ſ
			0.3048	0.3207				0.3215	
		1A0	0.3130	0.3290			2A0	0.3290	
		IAU	0.3144	0.3186			ZAU	0.3290	
			0.3068	0.3113				0.3222	
			0.3028	0.3304				0.3207	
		1B0	0.3115	0.3391			2B0	0.3290	
		IDU	0.3130	0.3290			200	0.3290	
051	6500 K		0.3048	0.3207	052	5700 K		0.3215	
0E1	6500 K		0.3115	0.3391	0E2	5700 K		0.3290	
		1C0	0.3205	0.3481			2C0	0.3376	
		100	0.3213	0.3373			200	0.3371	
			0.3130	0.3290				0.3290	
			0.3130	0.3290				0.3290	
		100	0.3213	0.3373			200	0.3371	
		1D0	0.3221	0.3261			2D0	0.3366	
			0.3144	0.3186				0.3290	

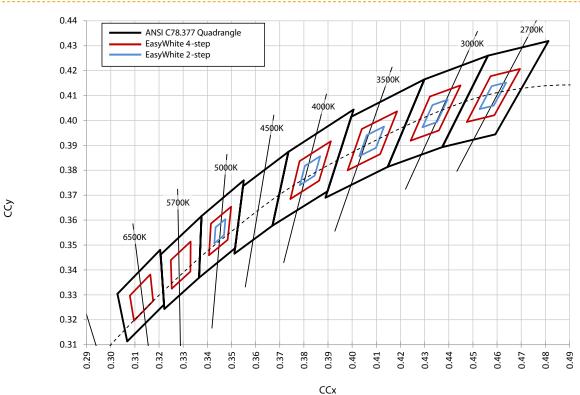
	ANS	White B	ins			ANS	I White B	ins			ANS	I White B	lins	
Code	ССТ	Bin Code	x	У	Code	ССТ	Bin Code	x	У	Code	ССТ	Bin Code	x	у
			.3371	.3490				.3670	.3578				.3889	.3690
		3A0	.3451	.3554			5A0	.3702	.3722			6A0	.3941	.3848
		SAU	.3440	.3427			SAU	.3825	.3798			0AU	.4080	.3916
			.3366	.3369				.3783	.3646				.4017	.3751
			.3376	.3616				.3702	.3722				.3941	.3848
		200	.3463	.3687			FDO	.3736	.3874			C D O	.3996	.4015
		3B0	.3451	.3554			5B0	.3869	.3958			6B0	.4146	.4089
050	5000 K		.3371	.3490	055	4000.14		.3825	.3798	050	2500 //		.4080	.3916
0E3	5000 K		.3463	.3687	0E5	4000 K		.3825	.3798	0E6	3500 K		.4080	.3916
		3C0	.3551	.3760			500	.3869	.3958			6C0	.4146	.4089
		300	.3533	.3620			5C0	.4006	.4044			600	.4299	.4165
			.3451	.3554				.3950	.3875				.4221	.3984
			.3451	.3554				.3783	.3646				.4017	.3751
		200	.3533	.3620			FDO	.3825	.3798			(D)	.4080	.3916
		3D0	.3515	.3487			5D0	.3950	.3875			6D0	.4221	.3984
			.3440	.3427				.3898	.3716				.4147	.3814



	ANS	I White B	Bins	
Code	сст	Bin Code	x	У
			.4147	.3814
		740	.4221	.3984
		7A0	.4342	.4028
			.4259	.3853
			.4221	.3984
		700	.4299	.4165
		7B0	.4430	.4212
			.4342	.4028
0E7	3000 K		.4342	.4028
		700	.4430	.4212
		7C0	.4562	.4260
			.4465	.4071
			.4259	.3853
		700	.4342	.4028
		7D0	.4465	.4071
			.4373	.3893

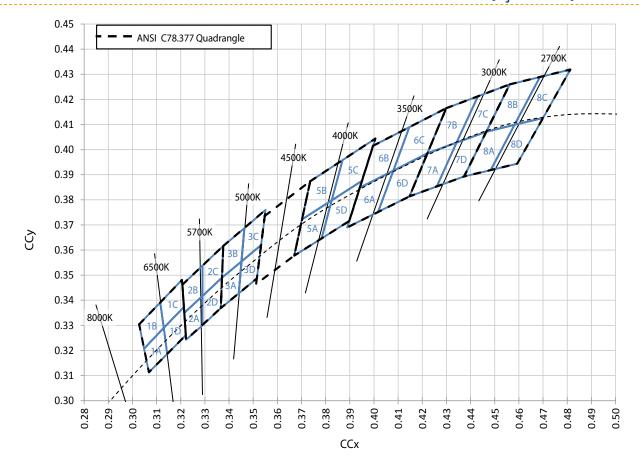
PERFORMANCE GROUPS - CHROMATICITY (T₁ = 85 °C) - CONTINUED

CREE EASYWHITE[®] BINS PLOTTED ON THE 1931 CIE COLOR SPACE (T₁ = 85 °C)



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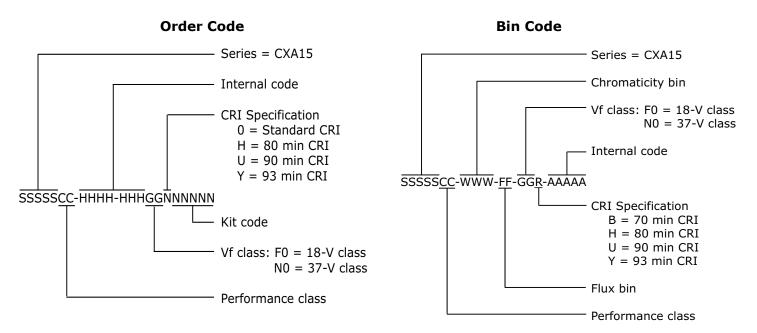
CREE ANSI WHITE BINS PLOTTED ON THE 1931 CIE COLOR SPACE ($T_1 = 85 \text{ °C}$)



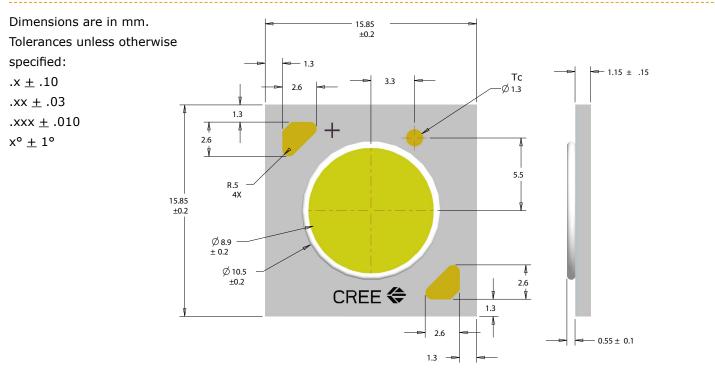


BIN AND ORDER CODE FORMATS

Bin codes and order codes are configured as follows:



MECHANICAL DIMENSIONS



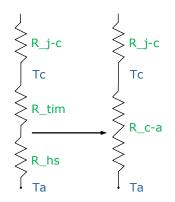


THERMAL DESIGN

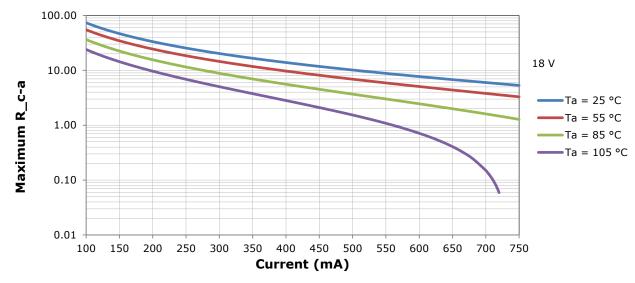
The CXA family of LED arrays can include over a hundred different LED die inside one package, and thus over a hundred different junction temperatures (T_1). Cree has intentionally removed junction-temperature-based operating limits and replaced the commonplace maximum T_1 calculations with maximum ratings based on forward current (I_F) and case temperature (Tc). No additional calculations are required to ensure the CXA LED is being operated within its designed limits. Please refer to page 3 for the Operating Limit specification.

Cree has measured the temperature at the bottom of the package, commonly referred to as the solder point (T_{sp}) , and found this value to be equivalent to the temperature at the Tc location at the top of the package once the LED has reached thermal equilibrium. There is no need to calculate for T_{j} inside the package, as the thermal management design process, specifically from T_{sp} to ambient (T_{a}) , remains identical to any other LED component. For more information on thermal management of Cree XLamp LEDs, please refer to the Thermal Management application note. For CXA soldering recommendations and more information on thermal interface materials (TIM) and connection methods, please refer to the Cree CXA Family LEDs soldering and handling document. The CXA LED Design Guide provides basic information on the requirements to use Cree XLamp CXA LEDs successfully in luminaire designs.

To keep the CXA1507 LED at or below the maximum rated Tc, the case to ambient temperature thermal resistance (R_c-a) must be at or below the maximum R_c-a value shown on the following graphs, depending on the operating environment. The y-axis in the graphs is a base 10 logarithmic scale.



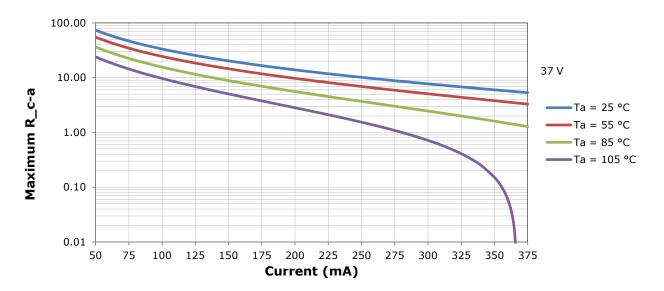
As the figure at right shows, the R_c-a value is the sum of the thermal resistance of the TIM (R_tim) plus the thermal resistance of the heat sink (R_hs).



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THERMAL DESIGN - CONTINUED



NOTES

Measurements

The luminous flux, radiant power, chromaticity and CRI measurements in this document are binning specifications only and solely represent product measurements as of the date of shipment. These measurements will change over time based on a number of factors that are not within Cree's control and are not intended or provided as operational specifications for the products. Calculated values are provided for informational purposes only and are not intended as specifications.

Lumen Maintenance

Cree now uses standardized IES LM-80-08 and TM-21-11 methods for collecting long-term data and extrapolating LED lumen maintenance. For information on the specific LM-80 data sets available for this LED, refer to the public LM-80 results document.

Please read the Long-Term Lumen Maintenance application note for more details on Cree's lumen maintenance testing and forecasting. Please read the Thermal Management application note for details on how thermal design, ambient temperature, and drive current affect the LED junction temperature.

RoHS Compliance

The levels of RoHS restricted materials in this product are below the maximum concentration values (also referred to as the threshold limits) permitted for such substances, or are used in an exempted application, in accordance with EU Directive 2011/65/EC (RoHS2), as implemented January 2, 2013. RoHS Declarations for this product can be obtained from your Cree representative or from the Product Documentation sections of www.cree.com.

REACh Compliance

REACh substances of high concern (SVHCs) information is available for this product. Since the European Chemical Agency (ECHA) has published notice of their intent to frequently revise the SVHC listing for the foreseeable future, please contact a Cree representative to insure you get the most up-to-date REACh SVHC Declaration. REACh banned substance information (REACh Article 67) is also available upon request.

UL Recognized Component

Level 4 enclosure consideration. The LED package or a portion thereof has been investigated as a fire and electrical enclosure per ANSI/UL 8750.

Vision Advisory

WARNING: Do not look at exposed lamp in operation. Eye injury can result. For more information about LEDs and eye safety, please refer to the LED Eye Safety application note.





PACKAGING

Cree CXA1507 LEDs are packaged in trays of 20. Five trays are sealed in an anti-static bag and placed inside a carton, for a total of 100 LEDs per carton. Each carton contains 100 LEDs from the same performance bin.

