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Cree Inc. CXA3070-0000-000N00Z230F

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PRODUCT FAMILY DATA SHEET

Cree® XLamp® CXA3070 LED



PRODUCT DESCRIPTION

The XLamp[®] CXA3070 LED array expands Cree's family of high-flux, multi-die integrated arrays, offering high performance in an easy-touse platform. With XLamp LED lighting-class reliability, the CXA3070's uniform emitting surface enables both directional and non-directional lighting applications and luminaire and lamp designs. Available in 2-step, 3-step and 4-step color consistency, and featuring a 23-mm optical source, the CXA3070 brings new levels of flux and efficacy to this form factor.

The CX Family LED Design Guide provides basic information on the requirements to use the CXA3070 LED successfully in luminaire designs.

FEATURES

- Available in 4-step, 3-step and 2-step EasyWhite[®] bins at 2700 K, 3000 K, 3500 K, 4000 K & 5000 K CCT and 4-step EasyWhite bins at 5700 K & 6500 K CCT
- Available in ANSI white bins at 4000 K, 5000 K, 5700 K & 6500 K CCT
- Available in 70-, 80-, 90- and 93-minimum CRI options
- Forward voltage option: 36-V class
- 85 °C binning and characterization
- Maximum drive current: 2800 mA
- 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)

TABLE OF CONTENTS

Characteristics	2
Operating Limits	2
Flux Characteristics, EasyWhite® Order	
Codes and Bins	3
Flux Characteristics, ANSI White Order	
Codes and Bins	5
Relative Spectral Power Distribution	6
Electrical Characteristics	6
Relative Luminous Flux	7
Typical Spatial Distribution	8
Performance Groups - Brightness	8
Performance Groups - Chromaticity	9
Cree EasyWhite [®] Bins Plotted on the	
1931 CIE Color Space	12
Cree ANSI White Bins Plotted on the	
1931 CIE Color Space	12
Bin and Order Code Formats	13
Mechanical Dimensions	13
Thermal Design	14
Notes	15
Packaging	16



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XLAMP[®] CXA3070 LED

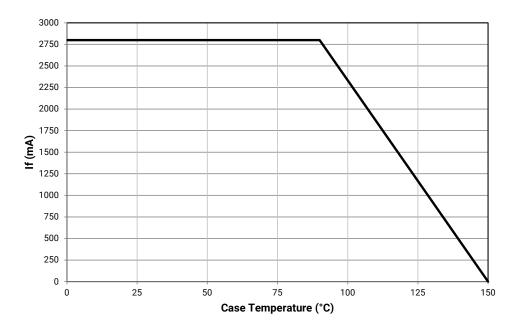
CHARACTERISTICS

Characteristics	Unit	Minimum	Typical	Maximum
Viewing angle (FWHM)	degrees		115	
ESD withstand voltage (HBM per Mil-Std-883D)	V			8000
DC forward current	mA			2800*
Reverse current	mA			0.1
Forward voltage (@ 1900 mA, T_j = 85 °C)	V		38.5	
Forward voltage (@ 1900 mA, $T_j = 25 °C$)	V			42

* Refer to the Operating Limits section.

OPERATING LIMITS

The maximum current rating of the CXA3070 is dependent on the case temperature (Tc) when the LED has reached thermal equilibrium under steady-state operation. The graph shown below assumes that the system design employs good thermal management (thermal interface material and heat sink) and may vary when poor thermal management is employed. Please refer to the Mechanical Drawings section on page 13 for the location of the Tc measurement point.





FLUX CHARACTERISTICS, EASYWHITE[®] ORDER CODES AND BINS ($I_F = 1900 \text{ mA}, T_J = 85 \text{ °C}$)

The following table provides order codes for XLamp CXA3070 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 13).

Nominal	C	RI	Minin	num Lumino	ous Flux		2-Step		3-Step		4-Step
CCT	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Group	Order Code	Group	Order Code	Group	Order Code
			AB	8500	9130						CXA3070-0000- 000N00AB65F
	70	75	AD	9000	9667					65F	CXA3070-0000- 000N00AD65F
6500 1/			BB	9500	10,204						CXA3070-0000- 000N00BB65F
6500 K			Z4	7945	8534						CXA3070-0000- 000N0HZ465F
	80		AB	8500	9130					65F	CXA3070-0000- 000N0HAB65F
			AD	9000	9667						CXA3070-0000- 000N0HAD65F
			AB	8500	9130						CXA3070-0000- 000N00AB57F
	70	75	AD 900	9000	9667					57F	CXA3070-0000- 000N00AD57F
5700 K			BB	9500	10,204						CXA3070-0000- 000N00BB57F
3700 K			Z4	7945	8534						CXA3070-0000- 000N0HZ457F
	80		AB	8500	9130					57F	CXA3070-0000- 000N0HAB57F
			AD	9000	9667						CXA3070-0000- 000N0HAD57F
			AB	8500	9130		CXA3070-0000- 000N00AB50H				CXA3070-0000- 000N00AB50F
	70	75	AD	9000	9667	50H	CXA3070-0000- 000N00AD50H			50F	CXA3070-0000- 000N00AD50F
			BB	9500	10,204		CXA3070-0000- 000N00BB50H				CXA3070-0000- 000N00BB50F
			Z4	7945	8534		CXA3070-0000- 000N0HZ450H		CXA3070-0000- 000N0HZ450G		CXA3070-0000- 000N0HZ450F
5000 K	80		AB	8500	9130	50H	CXA3070-0000- 000N0HAB50H	50G	CXA3070-0000- 000N0HAB50G	50F	CXA3070-0000- 000N0HAB50F
			AD	9000	9667		CXA3070-0000- 000N0HAD50H		CXA3070-0000- 000N0HAD50G		CXA3070-0000- 000N0HAD50F
			Y2	6430	6907		CXA3070-0000- 000N0UY250H		CXA3070-0000- 000N0UY250G		CXA3070-0000- 000N0UY250F
	90	95	Y4	6910	7422	50H	CXA3070-0000- 000N0UY450H	50G	CXA3070-0000- 000N0UY450G	50F	CXA3070-0000- 000N0UY450F
			Z2	7390	7938		CXA3070-0000- 000N0UZ250H		CXA3070-0000- 000N0UZ250G		CXA3070-0000- 000N0UZ250F

Notes

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 15).

• Cree XLamp CXA3070 LED order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity bin restrictions specified by the order code.

* Flux values @ 25 °C are calculated and for reference only.



XLAMP[®] CXA3070 LED

Nominal	С	RI	Minin	num Lumino	ous Flux		2-Step	3-Step		3-Step 4-Step		
CCT	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Group	Order Code	Group	Order Code	Group	Order Code	
			AB	8500	9130		CXA3070-0000- 000N00AB40H				CXA3070-0000- 000N00AB40F	
	70	75	AD	9000	9667	40H	CXA3070-0000- 000N00AD40H			40F	CXA3070-0000- 000N00AD40F	
			BB	9500	10,204		CXA3070-0000- 000N00BB40H				CXA3070-0000- 000N00BB40F	
4000 K			Z4	7945	8534		CXA3070-0000- 000N0HZ440H		CXA3070-0000- 000N0HZ440G		CXA3070-0000- 000N0HZ440F	
4000 K	80		AB	8500	9130	40H	CXA3070-0000- 000N0HAB40H	40G	CXA3070-0000- 000N0HAB40G	40F	CXA3070-0000- 000N0HAB40F	
			AD	9000	9667		CXA3070-0000- 000N0HAD40H		CXA3070-0000- 000N0HAD40G		CXA3070-0000- 000N0HAD40F	
	90	95	Y2	6430	6907	40H	CXA3070-0000- 000N0UY240H	40G	CXA3070-0000- 000N0UY240G	40F	CXA3070-0000- 000N0UY240F	
	90	90	Y4	6910	7422	4011	CXA3070-0000- 000N0UY440H	400	CXA3070-0000- 000N0UY440G	401	CXA3070-0000- 000N0UY440F	
			Z2	7390	7938		CXA3070-0000- 000N00Z235H			CXA3070-0000- 000N00Z235G		CXA3070-0000- 000N00Z235F
	80		Z4	7945	8534	35H	CXA3070-0000- 000N00Z435H	35G	CXA3070-0000- 000N00Z435G	35F	CXA3070-0000- 000N00Z435F	
3500 K			AB	8500	9130		CXA3070-0000- 000N00AB35H		CXA3070-0000- 000N00AB35G		CXA3070-0000- 000N00AB35F	
	93	95	X4	6010	6456	35H	CXA3070-0000- 000N0YX435H	35G	35G	CXA3070-0000- 000N0YX435G	35F	CXA3070-0000- 000N0YX435F
	93	90	Y2	6430	6907	3311	CXA3070-0000- 000N0YY235H			CXA3070-0000- 000N0YY235G	5 5 F	CXA3070-0000- 000N0YY235F
			Z2	7390	7938		CXA3070-0000- 000N00Z230H		CXA3070-0000- 000N00Z230G		CXA3070-0000- 000N00Z230F	
	80		Z4	7945	8534	30H	CXA3070-0000- 000N00Z430H	30G	CXA3070-0000- 000N00Z430G	30F	CXA3070-0000- 000N00Z430F	
3000 K			AB	8500	9130		CXA3070-0000- 000N00AB30H		CXA3070-0000- 000N00AB30G		CXA3070-0000- 000N00AB30F	
	93	95	X4	6010	6456	30H	CXA3070-0000- 000N0YX430H	30G	CXA3070-0000- 000N0YX430G	30F	CXA3070-0000- 000N0YX430F	
	50	90	Y2	6430	6907	5011	CXA3070-0000- 000N0YY230H	300	CXA3070-0000- 000N0YY230G	501	CXA3070-0000- 000N0YY230F	
			Y4	6910	7422		CXA3070-0000- 000N00Y427H		CXA3070-0000- 000N00Y427G		CXA3070-0000- 000N00Y427F	
	80		Z2	7390	7938	27H	CXA3070-0000- 000N00Z227H	27G	CXA3070-0000- 000N00Z227G	27F	CXA3070-0000- 000N00Z227F	
2700 K			Z4	794	8534		CXA3070-0000- 000N00Z427H		CXA3070-0000- 000N00Z427G		CXA3070-0000- 000N00Z427F	
	93	95	X2	5590	6005	27H	CXA3070-0000- 000N0YX227H	27G	CXA3070-0000- 000N0YX227G	27F	CXA3070-0000- 000N0YX227F	
	90	90	X4	6010	6456	2711	CXA3070-0000- 000N0YX427H	270	CXA3070-0000- 000N0YX427G	271	CXA3070-0000- 000N0YX427F	

FLUX CHARACTERISTICS, EASYWHITE[®] ORDER CODES AND BINS ($I_F = 1900 \text{ mA}, T_J = 85 \text{ °C}$) - CONTINUED

Notes

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 15).

• Cree XLamp CXA3070 LED order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity bin restrictions specified by the order code.

* Flux values @ 25 °C are calculated and for reference only.



FLUX CHARACTERISTICS, ANSI WHITE ORDER CODES AND BINS (I_F = 1900 mA, T_J = 85 °C)

The following table provides order codes for XLamp CXA3070 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 13).

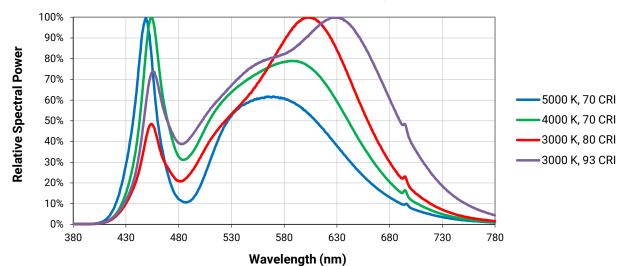
Neurinal	С	RI	М	inimum Luminous	Flux									
Nominal CCT	Min	Тур	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Chromaticity Regions	Order Code							
			Z4	7945	8534		CXA3070-0000-000N00Z40E1							
	70	75	AB	8500	9130		CXA3070-0000-000N00AB0E1							
	70	75	AD	9000	9667	1A0, 1B0, 1C0, 1D0, 65F	CXA3070-0000-000N00AD0E1							
6500 K			BB	9500	10,204		CXA3070-0000-000N00BB0E1							
			Z4	7945	8534		CXA3070-0000-000N0HZ40E1							
	80		AB	8500	9130	1A0, 1B0, 1C0, 1D0, 65F	CXA3070-0000-000N0HAB0E1							
			AD	9000	9667		CXA3070-0000-000N0HAD0E1							
			Z4	7945	8534		CXA3070-0000-000N00Z40E2							
	70	75	AB	8500	9130		CXA3070-0000-000N00AB0E2							
	70	75	AD	9000	9667	ZAU, ZDU, ZOU, ZDU, 37F	2AU, 2DU, 2OU, 2DU, 37F	ZAU, 2BU, 2CU, 2DU, 37F	ZAU, ZBU, ZCU, ZDU, 37F	2AU, 2BU, 2CU, 2DU, 57F	2AU, 2BU, 2CU, 2DU, 57F	ZAU, 2BU, 2CU, 2DU, 57F	2A0, 2B0, 2C0, 2D0, 57F	CXA3070-0000-000N00AD0E2
5700 K			BB	9500	10,204		CXA3070-0000-000N00BB0E2							
5700 K			Z4	7945	8534		CXA3070-0000-000N0HZ40E2							
	80		AB	8500	9130	2A0, 2B0, 2C0, 2D0, 57F	CXA3070-0000-000N0HAB0E2							
			AD	9000	9667		CXA3070-0000-000N0HAD0E2							
	90	95	Z2	7390	7938	2A0, 2B0, 2C0, 2D0, 57F	CXA3070-0000-000N0UZ20E2							
			AB	8500	9130		CXA3070-0000-000N00AB0E3							
	70	75	AD	9000	9667	3A0, 3B0, 3C0, 3D0, 50F	CXA3070-0000-000N00AD0E3							
5000 K			BB	9500	10,204		CXA3070-0000-000N00BB0E3							
5000 K			Z4	7945	8534		CXA3070-0000-000N0HZ40E3							
	80		AB	8500	9130	3A0, 3B0, 3C0, 3D0, 50F	CXA3070-0000-000N0HAB0E3							
			AD	9000	9667		CXA3070-0000-000N0HAD0E3							
			AB	8500	9130		CXA3070-0000-000N00AB0E5							
4000 K	70	75	AD	9000	9667	5A0, 5B0, 5C0, 5D0, 40F	CXA3070-0000-000N00AD0E5							
			BB	9500	10,204		CXA3070-0000-000N00BB0E5							

Notes

- 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 15).
- Cree XLamp CXA3070 LED order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity bin restrictions specified by the order code.
- * Flux values @ 25 °C are calculated and for reference only.



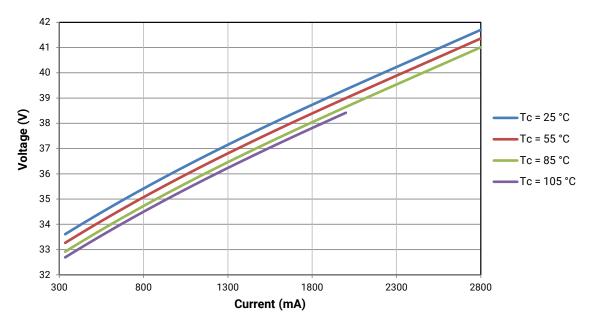
RELATIVE SPECTRAL POWER DISTRIBUTION



The following graph is the result of a series of pulsed measurements at 1900 mA and T_J = 85 °C.

ELECTRICAL CHARACTERISTICS

The following graph is the result of a series of steady-state measurements.



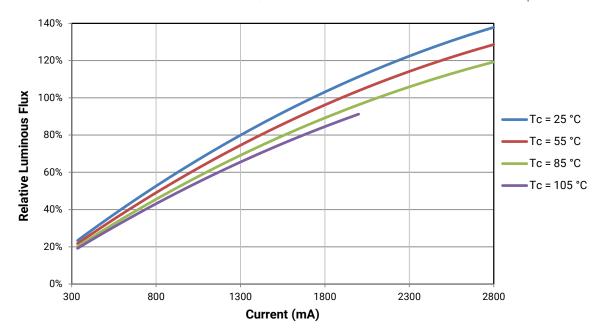


RELATIVE LUMINOUS FLUX

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

- · Measurements of CXA3070 at steady-state operation at the given conditions, divided by
- Flux measured during binning, which is a pulsed measurement at 1900 mA at T₁ = 85 °C.

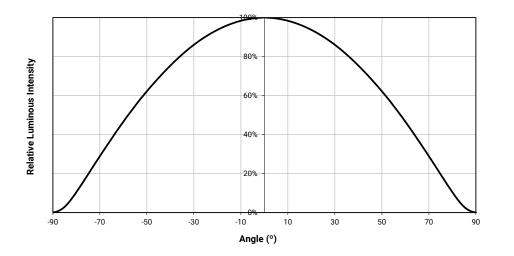
For example, at steady-state operation of Tc = 25 °C, I_F = 1300 mA, the relative luminous flux ratio is 80% in the chart below. A CXA3070 LED that measures 8500 lm during binning will deliver 6800 lm (8500 * 0.8) at steady-state operation of Tc = 25 °C, I_F = 1300 mA.





XLAMP[®] CXA3070 LED

TYPICAL SPATIAL DISTRIBUTION



PERFORMANCE GROUPS - BRIGHTNESS (I_F = 1900 mA, T_J = 85 °C)

XLamp CXA3070 LEDs are tested for luminous flux and placed into one of the following bins.

Group Code	Minimum Luminous Flux	Maximum Luminous Flux
X2	5590	6010
X4	6010	6430
Y2	6430	6910
Y4	6910	7390
Z2	7390	7945
Z4	7945	8500
AB	8500	9000
AD	9000	9500
BB	9500	10,000
BD	10,000	11,000
СВ	11,000	12,000



PERFORMANCE GROUPS - CHROMATICITY (T_J = 85 °C)

XLamp CXA3070 LEDs are tested for chromaticity and placed into one of the regions defined by the following bounding coordinates.

EasyV	EasyWhite Color Temperatures – 2-Step							
Code	ССТ	x	у					
		0.3429	0.3507					
50H	5000 K	0.3434	0.3571					
JUH	2000 K	0.3475	0.3604					
		0.3469	0.3539					
		0.3784	0.3741					
40H	4000 K	0.3804	0.3818					
40H	4000 K	0.3867	0.3857					
		0.3844	0.3778					
		0.4030	0.3857					
35H	0500.1/	0.4061	0.3941					
301	3500 K	0.4132	0.3976					
		0.4099	0.3890					
		0.4291	0.3973					
30H	3000 K	0.4333	0.4062					
300	3000 K	0.4395	0.4084					
		0.4351	0.3994					
		0.4528	0.4046					
27H	2700 K	0.4578	0.4138					
2/11	2700 K	0.4638	0.4152					
		0.4586	0.4060					

	EasyWhite Color Temperatures – 3-Step Ellipse									
		Center Point		Major Axis	Minor Axis	Rotation Angle				
Bin Code		CCT x		а	b	(°)				
50G	5000 K	0.3447	0.3553	0.00840	0.00312	65.0				
40G	4000 K	0.3818	0.3797	0.00939	0.00402	53.7				
35G	3500 K	0.4073	0.3917	0.00927	0.00414	54.0				
30G	3000 K	0.4338	0.4030	0.00834	0.00408	53.2				
27G	2700 K	0.4577	0.4099	0.00834	0.00420	48.5				



CREE ≑

XLAMP[®] CXA3070 LED

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

EasyWhite Color Temperatures – 4-Step							
			-				
Code	ССТ	х	у				
		0.3097	0.3196				
65F	6500 K	0.3079	0.3297				
		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				
FOF	5000 K	0.3415	0.3586				
50F	3000 K	0.3499	0.3654				
		0.3484	0.3521				
		0.3744	0.3685				
40F	4000 K	0.3782	0.3837				
406	4000 K	0.3912	0.3917				
		0.3863	0.3758				
		0.3981	0.3800				
255	2500 K	0.4040	0.3966				
35F	3500 K	0.4186	0.4037				
		0.4116	0.3865				
		0.4242	0.3919				
005	2000 //	0.4322	0.4096				
30F	3000 K	0.4449	0.4141				
		0.4359	0.3960				
		0.4475	0.3994				
075	2700 K	0.4573	0.4178				
27F	2700 K	0.4695	0.4207				
		0.4589	0.4021				



XLAMP[®] CXA3070 LED

	AN	SI White Bi	ns	
Code	ССТ	Bin Code	x	у
			0.3048	0.3207
		1A0	0.3130	0.3290
		TAU	0.3144	0.3186
			0.3068	0.3113
			0.3028	0.3304
		1B0	0.3115	0.3391
		TBU	0.3130	0.3290
0E1	6500 K		0.3048	0.3207
UEI	0000 K		0.3115	0.3391
		1C0	0.3205	0.3481
		100	0.3213	0.3373
			0.3130	0.3290
			0.3130	0.3290
		1D0	0.3213	0.3373
		100	0.3221	0.3261
			0.3144	0.3186

PERFORMANCE GROUPS - CHROMATICITY	(Т	= 85 °C) - CONTINUED
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	ANSI White Bins								
Code	Code CCT Bin x								
			.3670	.3578					
		5A0	.3702	.3722					
		SAU	.3825	.3798					
			.3783	.3646					
	4000 //	5B0	.3702	.3722					
			.3736	.3874					
			.3869	.3958					
0E5		4000 //	4000 K	4000 K	.3825	.3798			
UED	4000 K		.3825	.3798					
		5C0	.3869	.3958					
		500	.4006	.4044					
			.3950	.3875					
			.3783	.3646					
		5D0	.3825	.3798					
		500	.3950	.3875					
			.3898	.3716					

ANSI White Bins Bin Code

2A0

2B0

2C0

2D0

у

0.3350

0.3417

0.3300

0.3243

0.3462

0.3538

0.3417

0.3350

0.3538

0.3616

0.3490

0.3417

0.3417

0.3490

0.3369

0.3300

0.3215

0.3290

0.3290

0.3207

0.3290

0.3290

0.3215

0.3290

0.3376

0.3371

0.3290

0.3290

0.3371

0.3366

0.3290

сст

5700 K

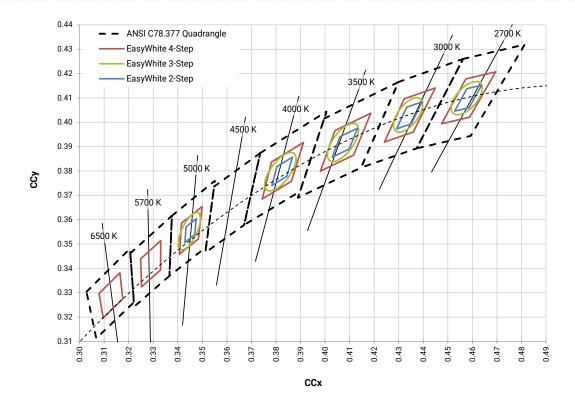
Code

0E2

ANSI White Bins				
Code	сст	Bin Code	x	у
0E3	5000 K	3A0	.3371	.3490
			.3451	.3554
			.3440	.3427
			.3366	.3369
		3B0	.3376	.3616
			.3463	.3687
			.3451	.3554
			.3371	.3490
		3C0	.3463	.3687
			.3551	.3760
			.3533	.3620
			.3451	.3554
		3D0	.3451	.3554
			.3533	.3620
			.3515	.3487
			.3440	.3427

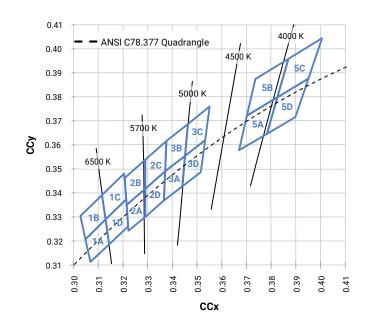


XLAMP[®] CXA3070 LED



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

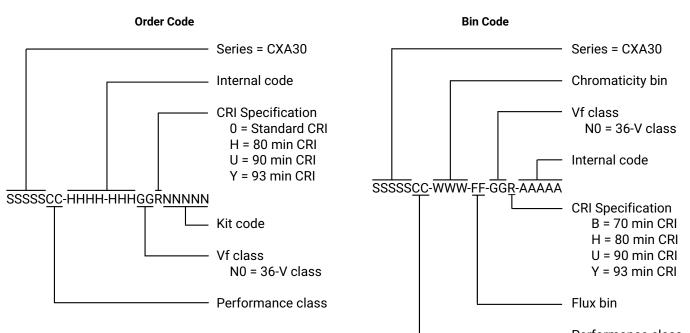






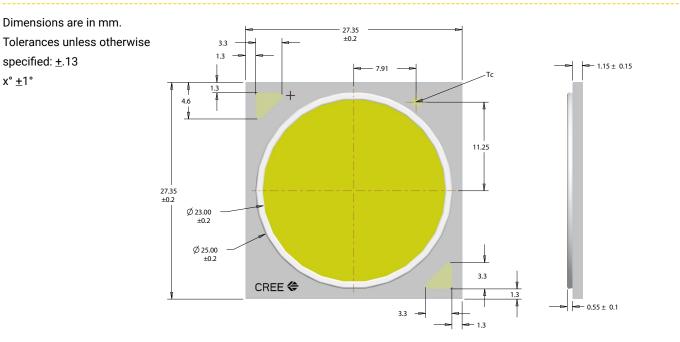
BIN AND ORDER CODE FORMATS

Bin codes and order codes are configured as follows:



Performance class

MECHANICAL DIMENSIONS





CREE 🔶

XLAMP® CXA3070 LED

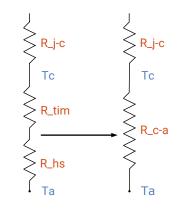
THERMAL DESIGN

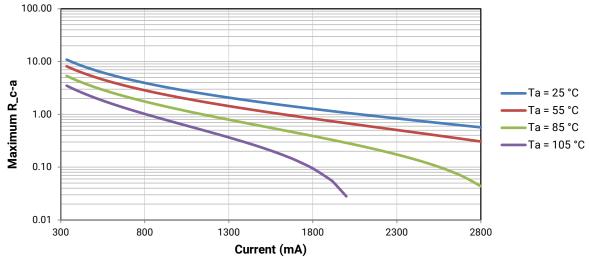
The CXA family of LED arrays can include over a hundred different LED die inside one package, and thus over a hundred different junction temperatures (T_j). Cree has intentionally removed junction-temperature-based operating limits and replaced the commonplace maximum T_j calculations with maximum ratings 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 2 for the Operating Limit specification.

There is no need to calculate for T_J inside the package, as the thermal management design process, specifically from solder point (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 XLamp CX Family LEDs soldering and handling document. The CX Family LED Design Guide provides basic information on the requirements to use Cree XLamp CXA LEDs successfully in luminaire designs.

To keep the CXA3070 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 graph, depending on the operating environment. The y-axis in the graph 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).







XLAMP[®] CXA3070 LED

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.

Pre-Release Qualification Testing

Please read the LED Reliability Overview for details of the qualification process Cree applies to ensure long-term reliability for XLamp LEDs and details of Cree's pre-release qualification testing for XLamp LEDs.

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 very 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 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.



XLAMP[®] CXA3070 LED

PACKAGING

Cree CXA3070 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.

