



**THE DATASHEET OF
LTW-3030AZL40**





LED Middle POWER

3030 Product Data Sheet

AZLxx Series

Created Date : 07/ 07 / 2014

Revision: 1.0

LED Middle POWER 3030AZLxx Series

1. Description

The LiteON 3030 Product series is a wide beam angle standard-dimension package, combining the lifetime and reliability advantages of Light Emitting Diodes with the brightness of conventional lighting. It gives you total design freedom and unmatched brightness, creating a new opportunities for solid state lighting to displace conventional lighting technologies.

1.1 Features

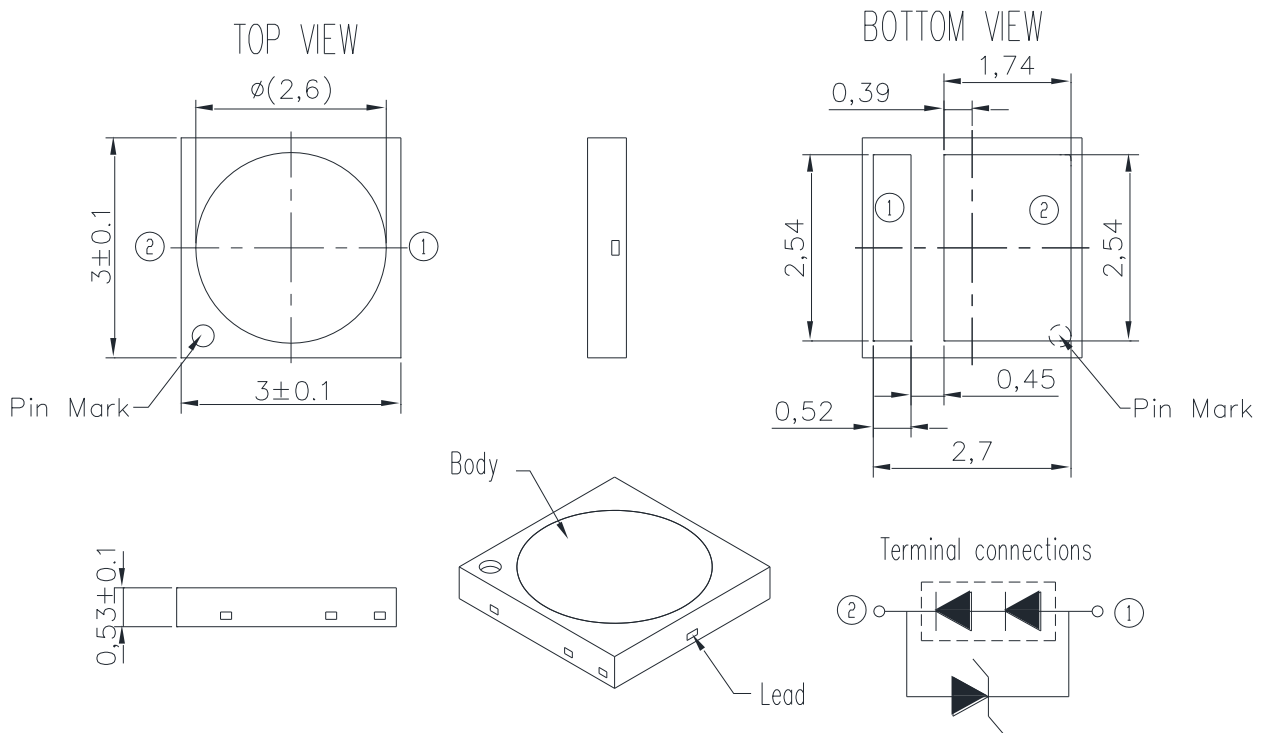
- Package in 8mm tape on 7" diameter reels.
- Compatible with automatic placement equipment.
- Compatible with infrared and vapor phase reflow solder process.
- EIA STD package.
- I.C. compatible.
- Meet green product and Pb-free(According to RoHS)

1.2 Available Part Numbers

CCT	Part Number
2700K	LTW-3030AZL27
3000K	LTW-3030AZL30
3500K	LTW-3030AZL35
4000K	LTW-3030AZL40
5000K	LTW-3030AZL50
5700K	LTW-3030AZL57
6500K	LTW-3030AZL65

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2. Package Dimensions



Part No.	Lens Color	Source Color
LTW-3030AZL65	Orange	InGaN Blue
LTW-3030AZL57		
LTW-3030AZL50		
LTW-3030AZL40		
LTW-3030AZL35		
LTW-3030AZL30		
LTW-3030AZL27		

Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.2 mm (.008") unless otherwise noted.

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3. Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	P _o	1320	mW
Continuous Forward Current	I _F	200	mA
Pulse Forward Current	I _{FP}	200	mA
Operating Temperature Range	T _{opr}	-40 ~ +100	°C
Storage Temperature Range	T _{stg}	-40 ~ +100	°C
Junction Temperature	T _j	≤ 125	°C

Notes :

1. 1/10 duty cycle, Pulse width ≤ 10 μs.
2. Forbid to operating at reverse voltage condition for long.
3. It is recommended to follow de-rating curve to use maximum rating to ensure LED can operated normally.

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4. Electro-Optical Characteristics

4.1 Typical Performance

Parameter	Symbol	Values								Unit	Test Condition
		Typ.	2700	3000	3500	4000	5000	5700	6500		
Correlated Color Temperature	CCT	Typ.	2700	3000	3500	4000	5000	5700	6500	'K	
Chromaticity Coordinates	x	Typ.	0.458	0.434	0.382	0.382	0.345	0.329	0.312	-	$I_F = 150\text{mA}$
	y	Typ.	0.410	0.403	0.380	0.380	0.355	0.342	0.328		
Luminous Flux ¹	Φ_v	Min	100	100	100	100	100	100	100	lm	
		Typ.	110	115	118	118	120	120	118		
		Max.	128	132	132	132	132	132	132		
Optical Efficiency	η_{opt}	Typ.	116	122	125	125	127	127	125	lm/W	
Color Rendering Index	CRI	Min.	80						-		
Viewing Angle	$2\theta_{1/2}$	Typ.	120						deg		
Forward Voltage	V_F	Min	5.8						V		
		Typ.	6.3								
		Max.	6.6								
Thermal Resistance	R_{js}	Typ.	8						°C/W		
ESD-Withstand Voltage	ESD	Min	5K						HBM	V	

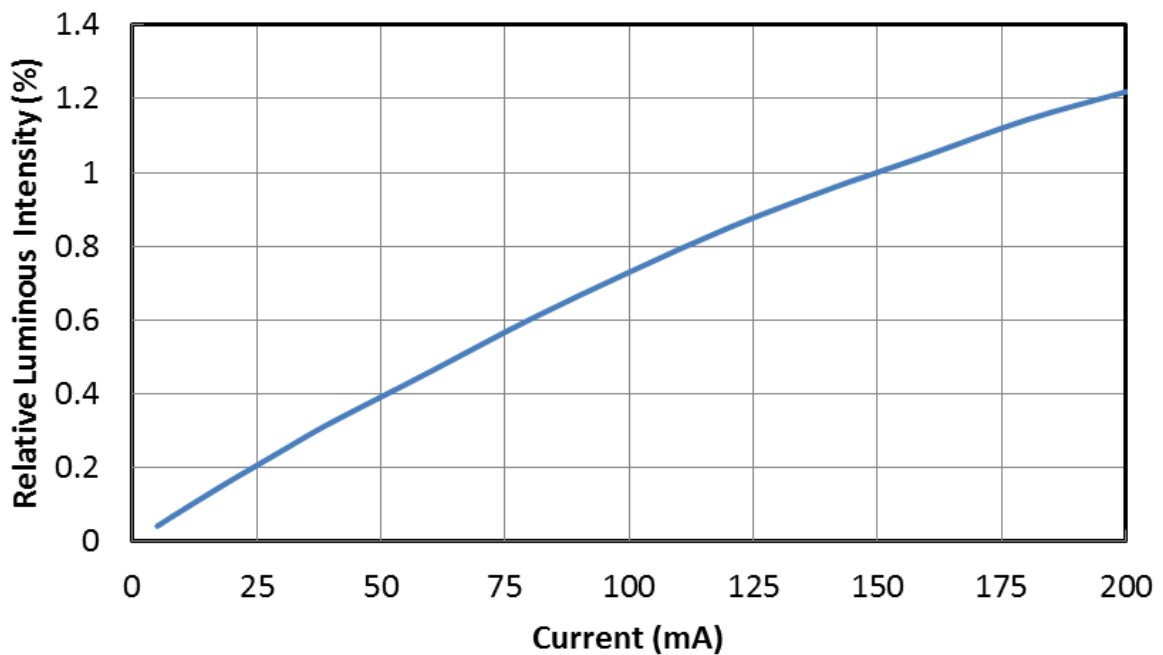
Notes

- Luminous flux is the total luminous flux output as measured with an integrating sphere.
- I_v (flux Φ_v) classification code is marked on each packing bag.
- The chromaticity coordinates (x, y) is derived from the 1931 CIE chromaticity diagram.
- Caution in ESD:
Static Electricity and surge damages the LED. It is recommended using a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.
- CAS140B is the test standard for the chromaticity coordinates (x, y) & Φ_v .
- The chromaticity coordinates (x, y) guarantee should be added +/- 0.01 tolerance
- CRI measurement allowance is ± 5 , $R9 > 0$

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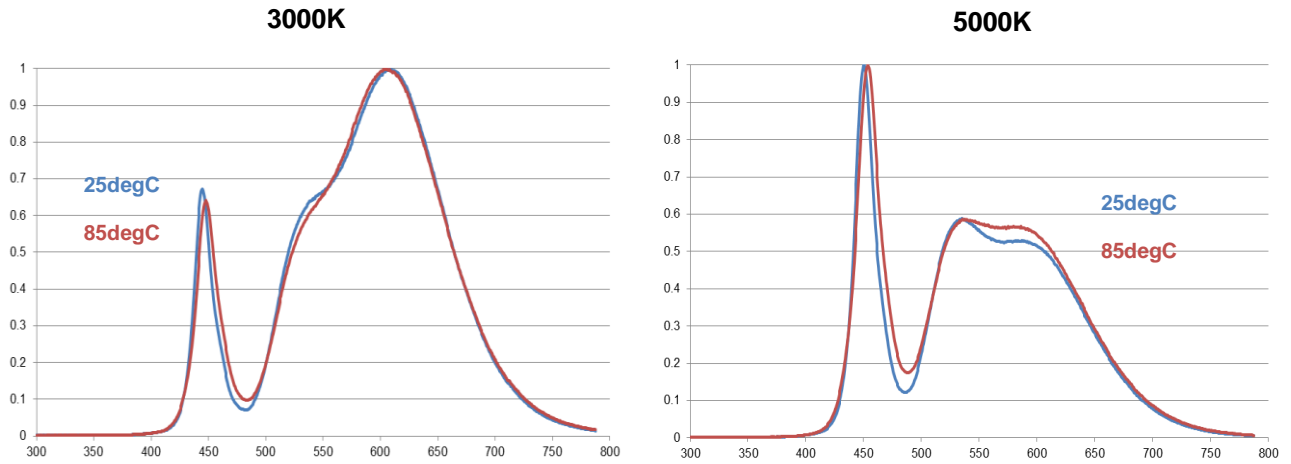
4.2 Forward Current vs. Lumen and Voltage

Current (mA)	V _F (V)	Lumen (lm)						
		2700K	3000K	3500K	4000K	5000K	5700K	6500K
20	5.49	18.3	19.2	19.7	19.7	20.0	20.0	19.7
40	5.65	35.4	37.0	38.0	38.0	38.6	38.6	38.0
60	5.77	50.6	53.0	54.3	54.3	55.3	55.3	54.3
80	5.90	66.2	69.2	71.0	71.0	72.2	72.2	71.0
100	6.01	80.3	83.9	86.1	86.1	87.6	87.6	86.1
120	6.11	93.5	97.7	100.2	100.2	101.9	101.9	100.2
140	6.22	104.9	109.6	112.5	112.5	114.4	114.4	112.5
150	6.28	110.0	115.0	118.0	118.0	120.0	120.0	118.0
160	6.34	115.2	120.4	123.5	123.5	125.6	125.6	123.5
180	6.42	125.8	131.5	134.9	134.9	137.2	137.2	134.9
200	6.52	134.1	140.2	143.8	143.8	146.3	146.3	143.8

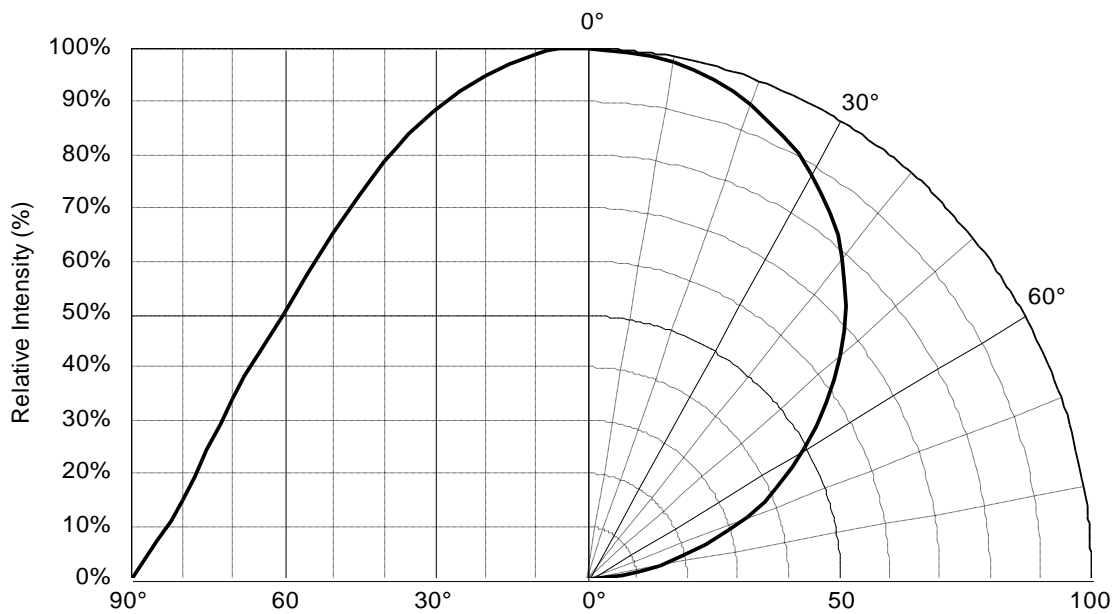


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4.3 Relative Spectral Power Distribution at Typical Current

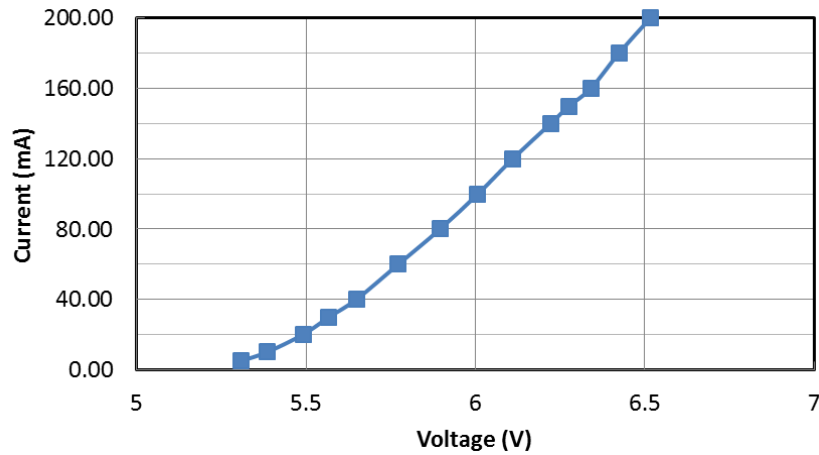


4.4 Radiation Characteristics



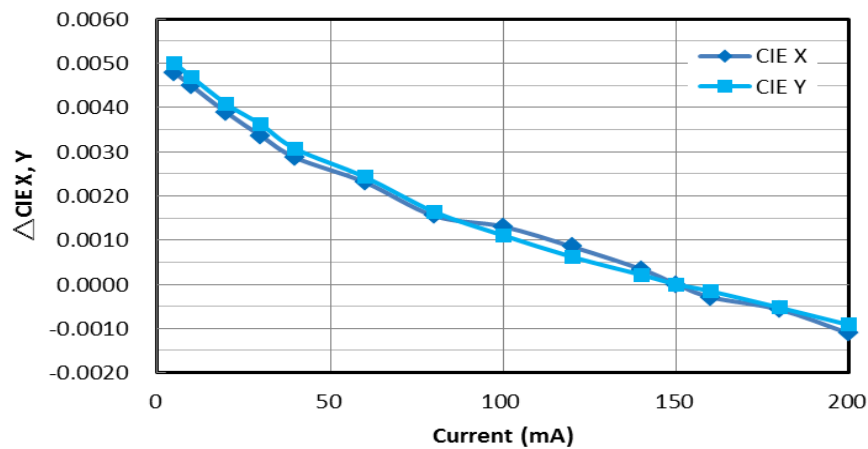
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4.5 Forward Voltage vs. Forward Current

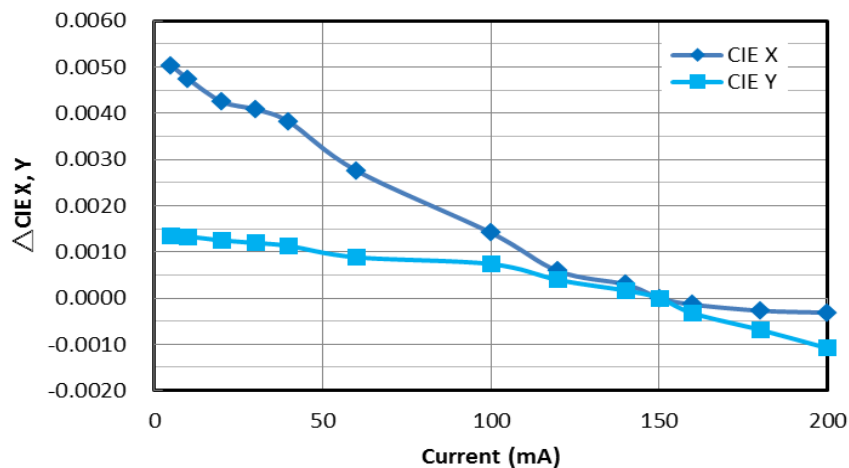


4.6 Color Shift vs. Forward Current

■ Cool White

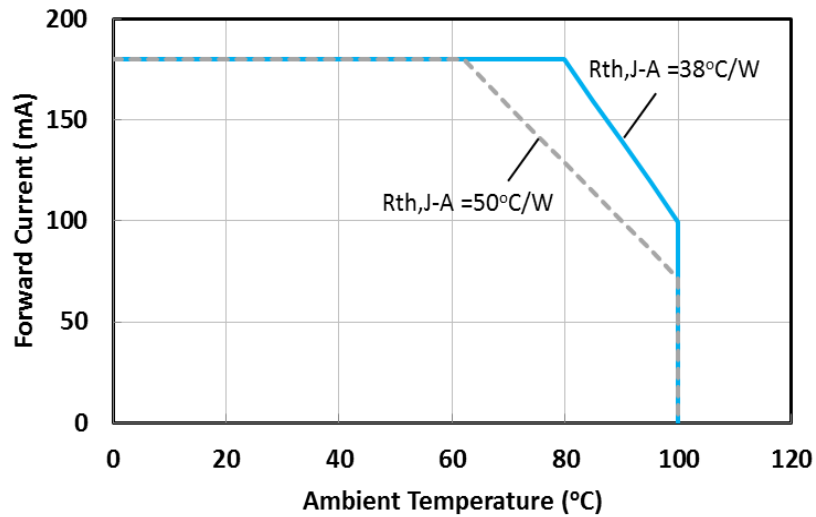


■ Warm White

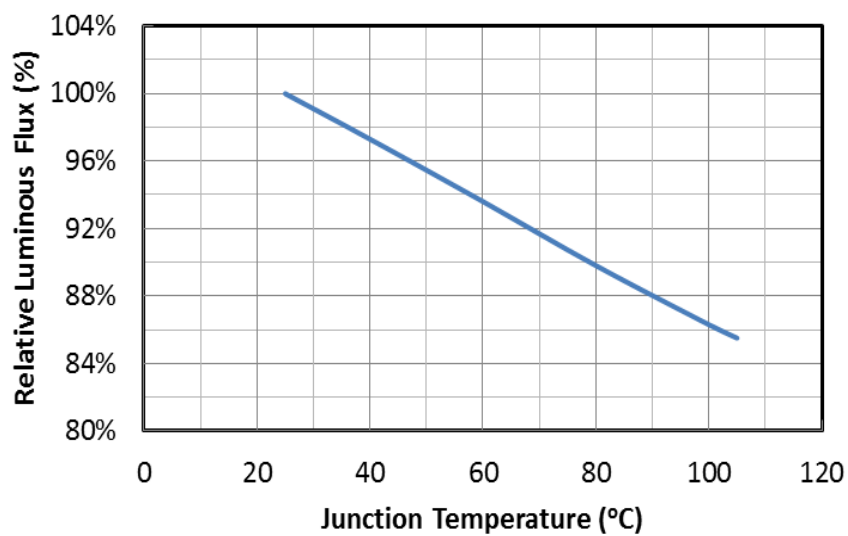


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4.7 Forward Current Derating Curve vs. Ambient Temperature

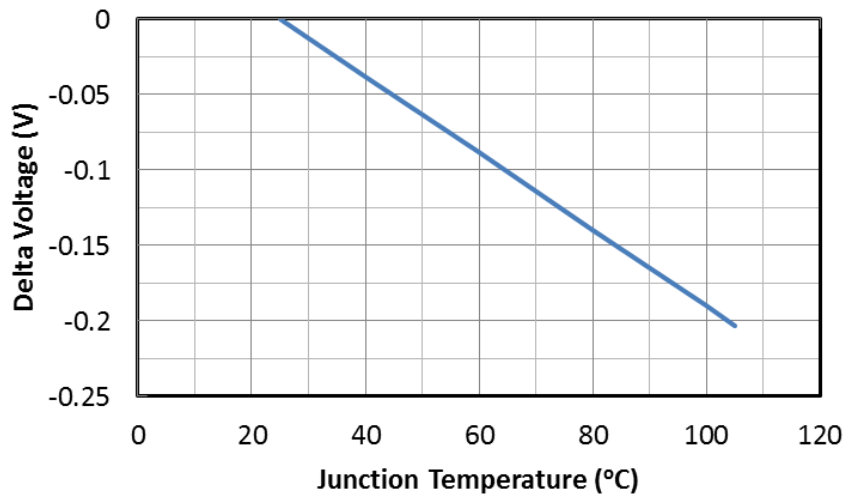


4.8 Relative Intensity vs. Junction Temperature

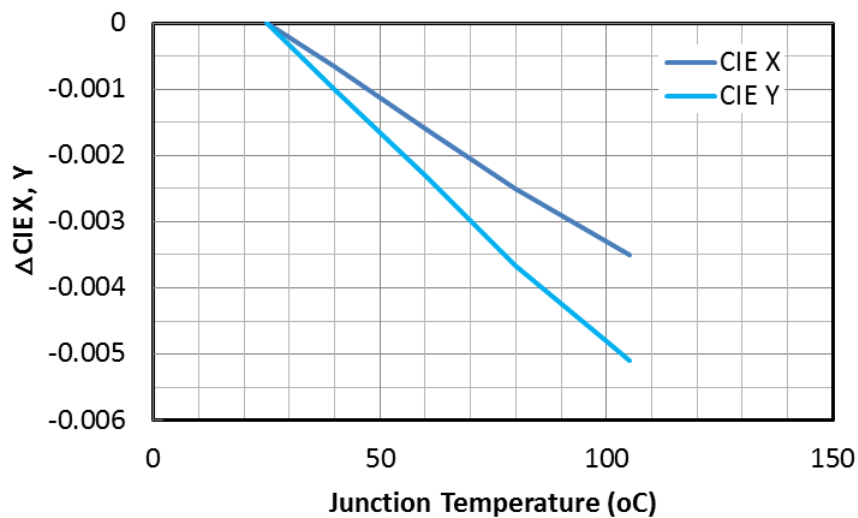


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4.9 Voltage vs. Junction Temperature



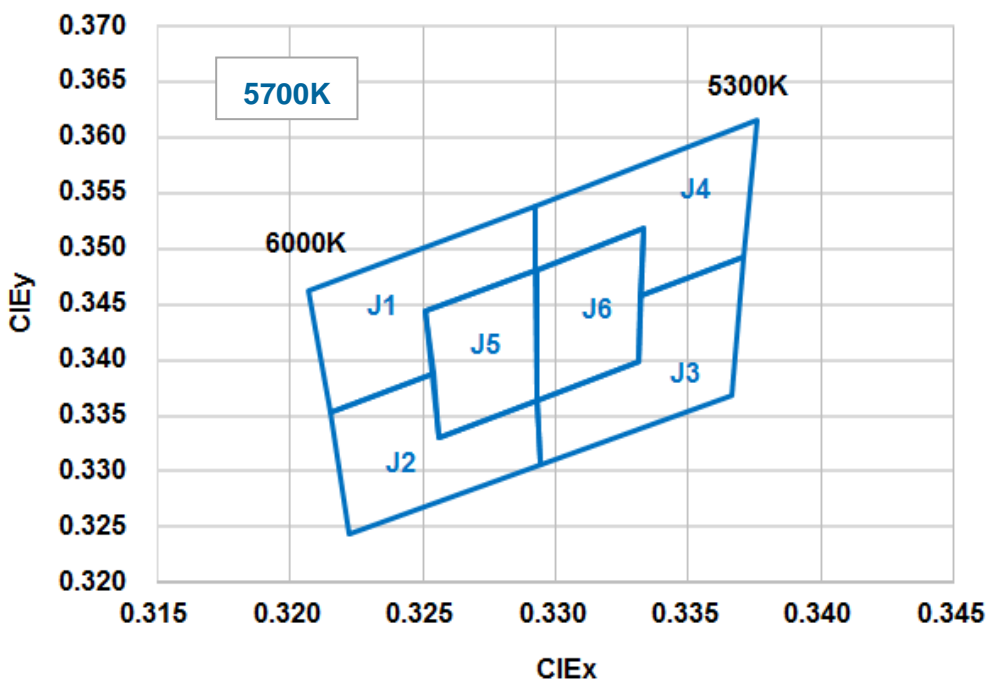
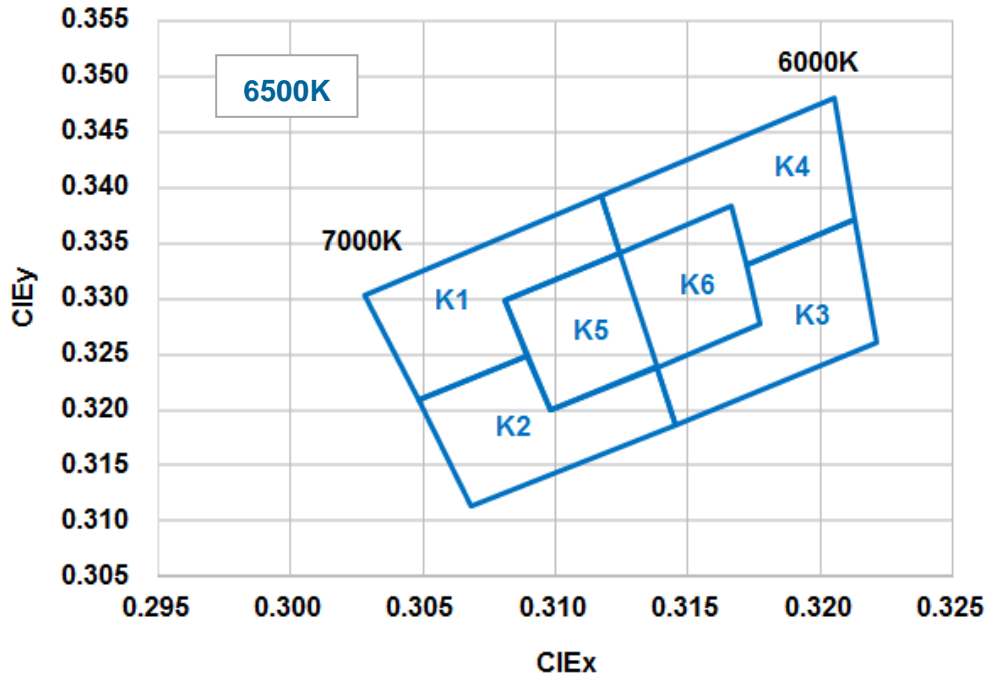
4.10 Color Shift vs. Junction Temperature



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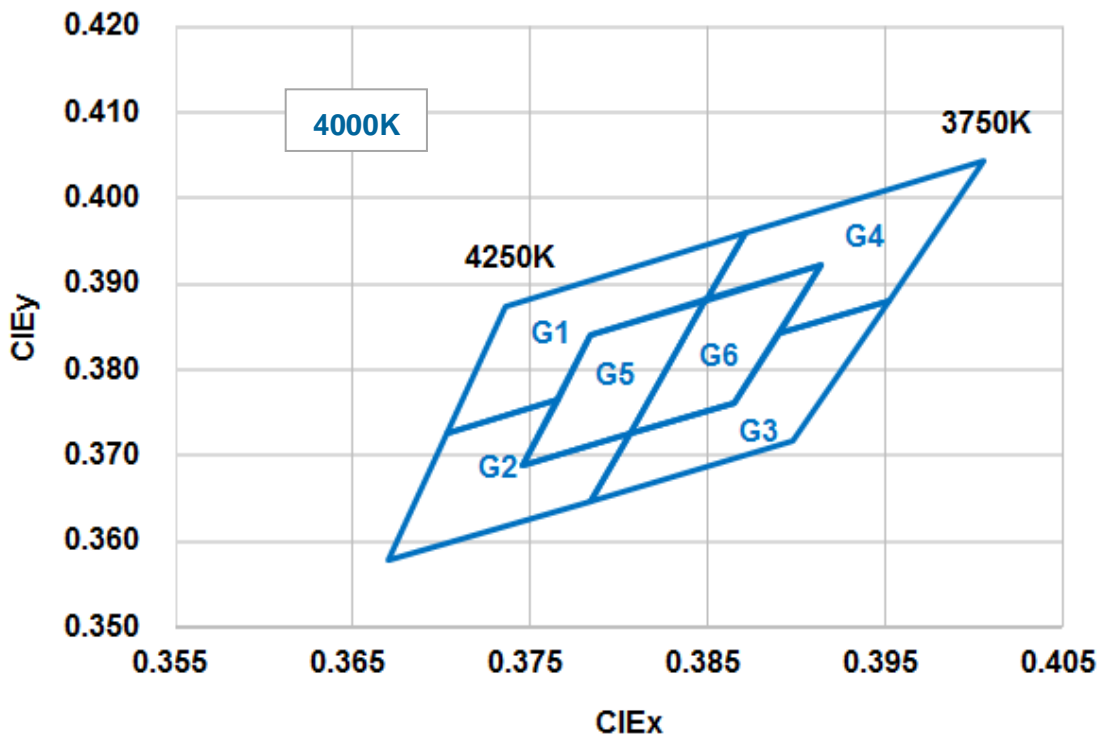
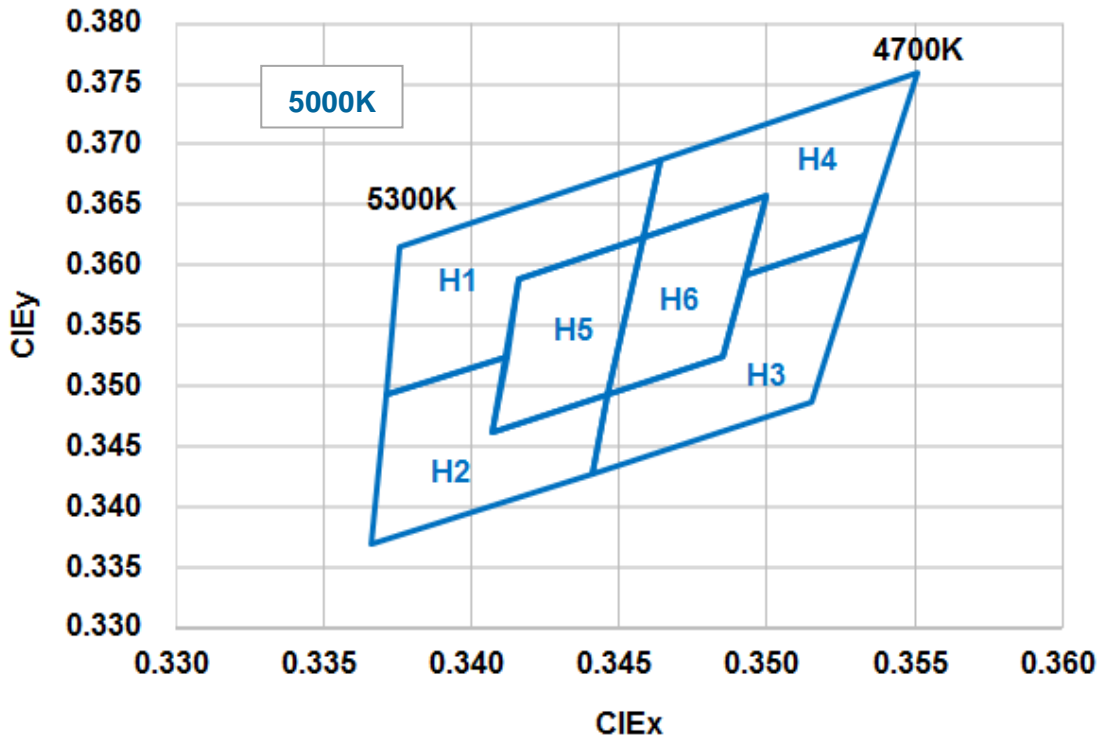
5. Binning Definition

5.1 Color Bin

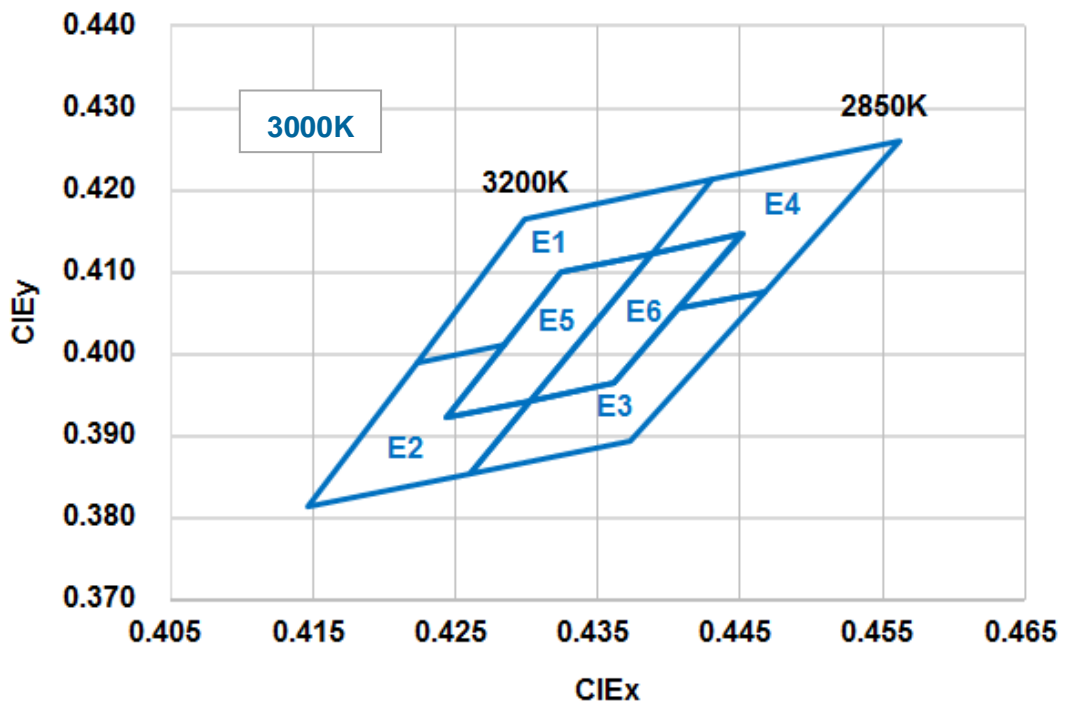
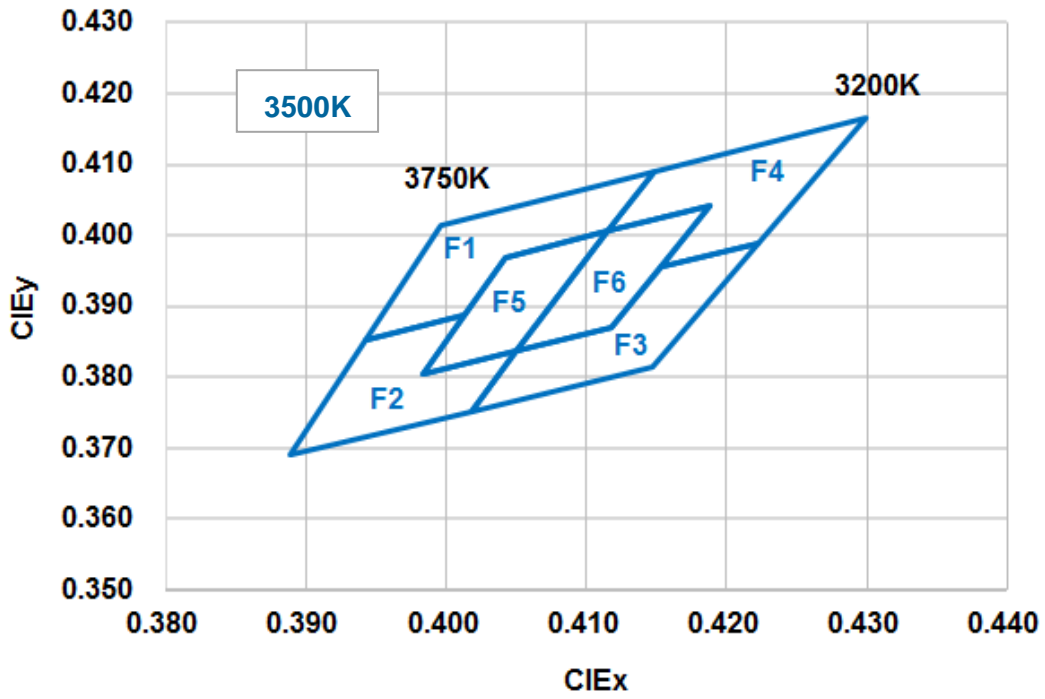




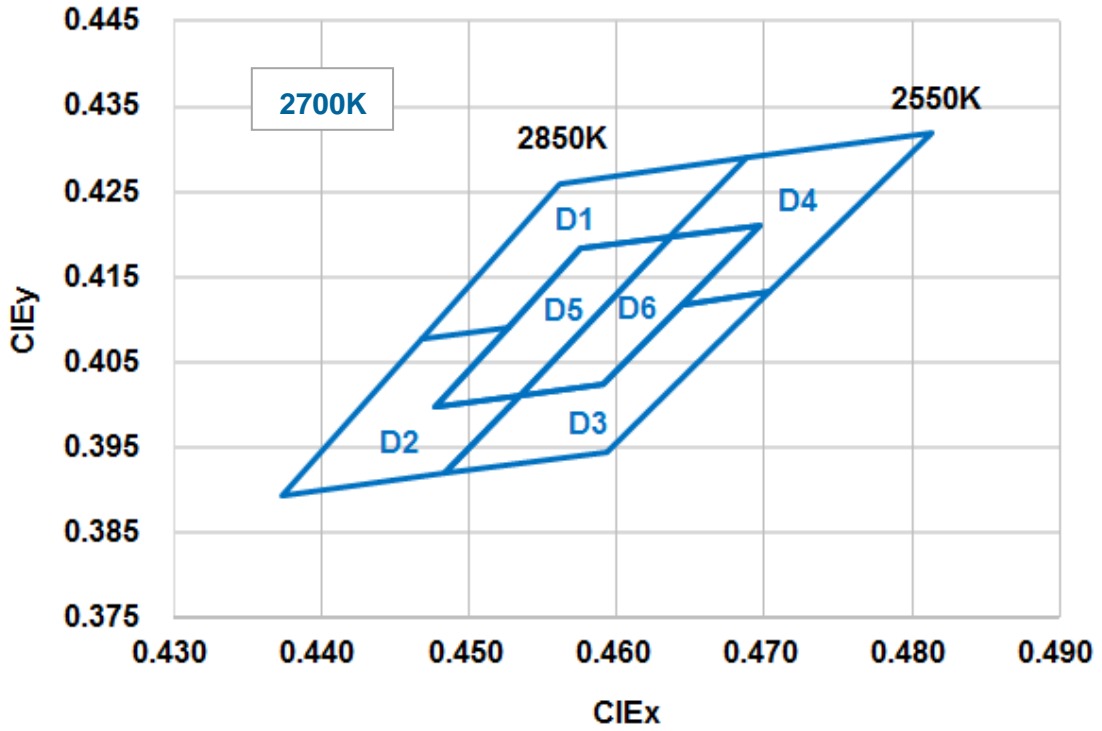
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■ Color Rank

6500K ($I_F = 150 \text{ mA}$)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
K1	1	0.3048	0.3209	K3	1	0.3145	0.3187	K5	1	0.3098	0.320
	2	0.3028	0.3304		2	0.3138	0.3238		2	0.3081	0.3299
	3	0.3117	0.3393		3	0.3177	0.3277		3	0.3124	0.3342
	4	0.3124	0.3341		4	0.3172	0.3330		4	0.3138	0.3239
	5	0.3081	0.3299		5	0.3213	0.3371				
	6	0.3089	0.3249		6	0.3221	0.3261				
K2	1	0.3068	0.3113	K4	1	0.3117	0.3393	K6	1	0.3138	0.3239
	2	0.3048	0.3209		2	0.3205	0.3481		2	0.3124	0.3342
	3	0.3089	0.3249		3	0.3213	0.3371		3	0.3167	0.3384
	4	0.3098	0.32		4	0.3172	0.333		4	0.3178	0.3277
	5	0.3138	0.3238		5	0.3166	0.3384				
	6	0.3145	0.3187		6	0.3124	0.3341				

Tolerance on each Hue bin (x,y) is +/- 0.01.

5700K ($I_F = 150 \text{ mA}$)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
J1	1	0.3215	0.3353	J3	1	0.3294	0.3306	J5	1	0.3256	0.3331
	2	0.3207	0.3462		2	0.3293	0.3364		2	0.3251	0.3444
	3	0.3292	0.3539		3	0.3331	0.3398		3	0.3292	0.3481
	4	0.3292	0.3481		4	0.3332	0.3458		4	0.3293	0.3364
	5	0.3251	0.3444		5	0.3371	0.3493				
	6	0.3254	0.3388		6	0.3366	0.3369				
J2	1	0.3222	0.3243	J4	1	0.3292	0.3539	J6	1	0.3293	0.3364
	2	0.3215	0.3353		2	0.3376	0.3616		2	0.3293	0.3481
	3	0.3254	0.3388		3	0.3371	0.3493		3	0.3333	0.3518
	4	0.3256	0.3331		4	0.3332	0.3458		4	0.3331	0.3398
	5	0.3293	0.3364		5	0.3333	0.3518				
	6	0.3294	0.3306		6	0.3292	0.3481				

Tolerance on each Hue bin (x,y) is +/- 0.01.

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5000K ($I_F = 150$ mA)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
H1	1	0.3371	0.3493	H3	1	0.3441	0.3428	H5	1	0.3407	0.3462
	2	0.3376	0.3616		2	0.3446	0.3493		2	0.3416	0.3589
	3	0.3464	0.3688		3	0.3485	0.3524		3	0.3458	0.3623
	4	0.3458	0.3623		4	0.3493	0.3591		4	0.3446	0.3493
	5	0.3416	0.3589		5	0.3533	0.3624				
	6	0.3412	0.3525		6	0.3515	0.3487				
H2	1	0.3366	0.3369	H4	1	0.3464	0.3688	H6	1	0.3446	0.3493
	2	0.3371	0.3493		2	0.3551	0.3760		2	0.3458	0.3623
	3	0.3412	0.3525		3	0.3533	0.3624		3	0.3500	0.3657
	4	0.3407	0.3462		4	0.3493	0.3591		4	0.3485	0.3524
	5	0.3446	0.3493		5	0.3500	0.3657				
	6	0.3441	0.3428		6	0.3458	0.3623				

Tolerance on each Hue bin (x,y) is +/- 0.01.

4000K ($I_F = 150$ mA)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
G1	1	0.3703	0.3726	G3	1	0.3784	0.3647	G5	1	0.3746	0.3689
	2	0.3736	0.3874		2	0.3806	0.3725		2	0.3784	0.3841
	3	0.3871	0.3959		3	0.3865	0.3762		3	0.3849	0.3882
	4	0.3849	0.3881		4	0.3890	0.3842		4	0.3806	0.3726
	5	0.3784	0.3841		5	0.3952	0.3880				
	6	0.3766	0.3765		6	0.3898	0.3716				
G2	1	0.3670	0.3578	G4	1	0.3871	0.3959	G6	1	0.3806	0.3726
	2	0.3703	0.3726		2	0.4006	0.4044		2	0.3849	0.3882
	3	0.3766	0.3765		3	0.3952	0.3880		3	0.3914	0.3922
	4	0.3746	0.3689		4	0.3890	0.3842		4	0.3865	0.3762
	5	0.3806	0.3725		5	0.3914	0.3922				
	6	0.3784	0.3647		6	0.3849	0.3881				

Tolerance on each Hue bin (x,y) is +/- 0.01.

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3500K ($I_F = 150$ mA)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
F1	1	0.3943	0.3853	F3	1	0.4018	0.3752	F5	1	0.3983	0.3804
	2	0.3996	0.4015		2	0.4050	0.3837		2	0.4042	0.3970
	3	0.4148	0.4090		3	0.4118	0.3869		3	0.4115	0.4006
	4	0.4115	0.4006		4	0.4153	0.3955		4	0.4050	0.3837
	5	0.4042	0.3970		5	0.4223	0.3990				
	6	0.4013	0.3887		6	0.4147	0.3814				
F2	1	0.3889	0.3690	F4	1	0.4148	0.4090	F6	1	0.4050	0.3837
	2	0.3943	0.3853		2	0.4299	0.4165		2	0.4115	0.4006
	3	0.4013	0.3887		3	0.4223	0.3990		3	0.4188	0.4041
	4	0.3983	0.3804		4	0.4153	0.3955		4	0.4118	0.3869
	5	0.4050	0.3837		5	0.4188	0.4041				
	6	0.4018	0.3752		6	0.4115	0.4006				

Tolerance on each Hue bin (x,y) is +/- 0.01.

3000K ($I_F = 150$ mA)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
E1	1	0.4223	0.3990	E3	1	0.4260	0.3854	E5	1	0.4244	0.3923
	2	0.4299	0.4165		2	0.4303	0.3943		2	0.4324	0.4100
	3	0.4431	0.4213		3	0.4361	0.3964		3	0.4388	0.4123
	4	0.4388	0.4123		4	0.4406	0.4055		4	0.4303	0.3944
	5	0.4324	0.4100		5	0.4468	0.4077				
	6	0.4284	0.4011		6	0.4373	0.3893				
E2	1	0.4147	0.3814	E4	1	0.4431	0.4213	E6	1	0.4303	0.3944
	2	0.4223	0.3990		2	0.4562	0.4260		2	0.4388	0.4123
	3	0.4284	0.4011		3	0.4468	0.4077		3	0.4452	0.4146
	4	0.4244	0.3923		4	0.4406	0.4055		4	0.4361	0.3964
	5	0.4303	0.3943		5	0.4451	0.4146				
	6	0.4260	0.3854		6	0.4388	0.4123				

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Tolerance on each Hue bin (x,y) is +/- 0.01.

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2700K ($I_f = 150 \text{ mA}$)											
Rank	-	x	y	Rank	-	x	y	Rank	-	x	y
D1	1	0.4468	0.4077	D3	1	0.4483	0.3919	D5	1	0.4477	0.3998
	2	0.4562	0.4260		2	0.4534	0.4011		2	0.4576	0.4183
	3	0.4688	0.4290		3	0.4591	0.4025		3	0.4637	0.4197
	4	0.4636	0.4197		4	0.4644	0.4118		4	0.4534	0.4012
	5	0.4576	0.4183		5	0.4703	0.4132				
	6	0.4527	0.4090		6	0.4593	0.3944				
D2	1	0.4373	0.3893	D4	1	0.4688	0.4290	D6	1	0.4534	0.4012
	2	0.4468	0.4077		2	0.4813	0.4319		2	0.4637	0.4197
	3	0.4527	0.4090		3	0.4703	0.4132		3	0.4697	0.4211
	4	0.4477	0.3998		4	0.4644	0.4118		4	0.4591	0.4025
	5	0.4534	0.4011		5	0.4697	0.4211				
	6	0.4483	0.3919		6	0.4636	0.4197				

Tolerance on each Hue bin (x,y) is +/- 0.01.

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5.2 Flux Bin

2700K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EF	100	104
FI	104	116
IL	116	128

4000K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EG	100	108
GJ	108	120
JM	120	132

3000K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EG	100	108
GJ	108	120
JM	120	132

5000K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EG	100	108
GJ	108	120
JM	120	132

3500K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EG	100	108
GJ	108	120
JM	120	132

5700K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EG	100	108
GJ	108	120
JM	120	132

6500K	Φ_v Luminous Flux Spec. Table	
Φ_v Bin	Lumen (lm) at $I_f = 150$ mA	
	Min	Max
EG	100	108
GJ	108	120
JM	120	132

Tolerance on each Luminous Flux bin is +/- 10%.

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5.3 Voltage Bin

V _F Spec. Table		
V _F Bin	Forward Voltage (volts) at I _F = 150mA	
	Min	Max
V1	5.8	6.0
V2	6.0	6.2
V3	6.2	6.4
V4	6.4	6.6

Tolerance on each Forward Voltage bin is +/- 0.1V

6. Bin Code List

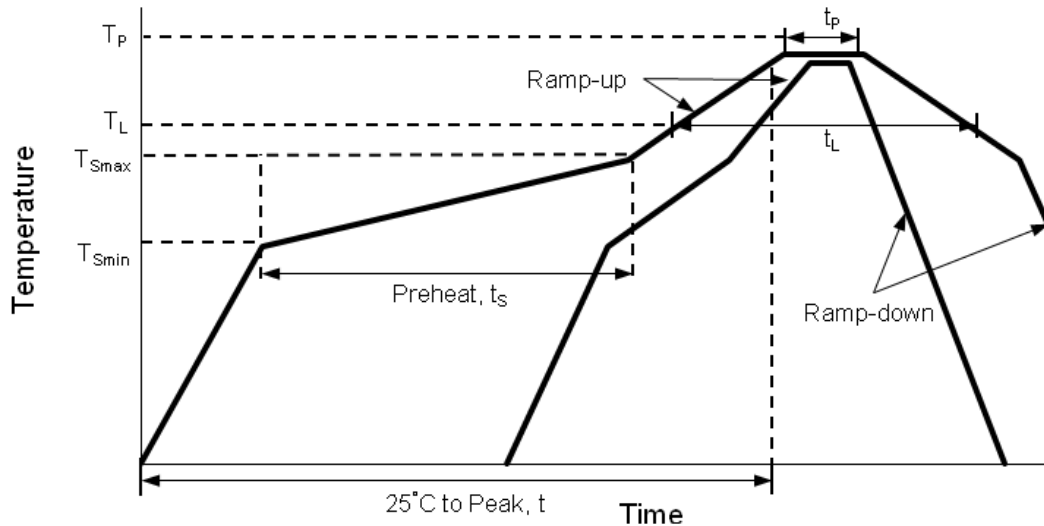
※ Notes: Full Rank on Label

Example: V1 / F1 / D5

Forward Voltage Rank	Luminous Flux Rank	Color Rank
V1	F1	D5

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7. Reflow Soldering Characteristics



Profile Feature	Lead Free Assembly
Average Ramp-Up Rate (T_{Smax} to T_P)	3°C / second max
Preheat Temperature Min (T_{Smin})	150°C
Preheat Temperature Max (T_{Smax})	200°C
Preheat Time (t_{Smin} to t_{Smax})	60 – 180 seconds
Time Maintained Above Temperature (T_L)	217°C
Time Maintained Above Time (t_L)	60 – 150 seconds
Peak / Classification Temperature (T_P)	260°C
Time Within 5°C of Actual Peak Temperature (t_p)	5 seconds
Ramp – Down Rate	6°C / second max
Time 25°C to Peak Temperature	8 minutes max

Notes:

- The LEDs can be soldered using the reflow soldering or hand soldering method. The recommended hand soldering condition is 350 °C max. and 2 secs max. for one time only, and the recommended reflow soldering condition is 260 °C max. and 5 secs max. for three times max.
- All temperatures refer to topside of the package, measured on the package body surface.

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3. The soldering condition referring to J-STD-020B. The storage ambient for the LEDs should not exceed 30 °C temperature or 70% relative humidity. It is recommended that LEDs out of their original packaging are soldered within one week. For extended storage out of their original packaging, it is recommended that the LEDs were stored in a sealed container with appropriate desiccant, or desiccators with nitrogen ambient. If the LEDs were unpacked more than 168hrs, baking the LEDs at 60 °C for 24hrs before soldering process.
4. The soldering profile could be further referred to different soldering grease material characteristic. The grease vendor will provide this information.
5. A rapid-rate process is not recommended for the LEDs cooling down from the peak temperature.
6. Although the recommended reflow conditions are specified above, the reflow or hand soldering condition at the lowest possible temperature is desirable for the LEDs.
7. LiteOn cannot make a guarantee on the LEDs which have been already assembled using the dip soldering method.

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8. Reliability Test

No	Test item	Test Condition	Duration	Number of Damaged
1	Steady State Operating Life of High Temperature (HTOL)	Ta=85°C, I _F =150mA	1000 hrs	0/20
2	Steady State Operating Life of Low Temperature (LTOL)	Ta=-40°C, I _F =150mA	1000 hrs	0/20
3	Pulse Wet Operating Life of High Temperature (PWHTOL)	60°C/90%RH, I _F =150mA 30mins ON/30min OFF	500 hrs	0/20
4	High Temperature Storage (HTS)	100°C	1000 hrs	0/20
5	Low Temperature Storage (LTS)	-40°C	1000 hrs	0/20
6	Thermal Cycle (TC)	-40°C~100°C 30min dwell 5min transfer	200 cycles	0/20
7	Thermal Shock (TS)	-40°C~100°C 20min dwell 20sec transfer	200 cycles	0/20
8	Solder Resistance (SR)	265°C, 3X MSL	5sec	0/20
9	Solder Ability (SA)	245°C 5sec, 95% coverage	5sec	0/11
10	Mechanical Shock (MS)	1500G 0.5msec pulse shock	each 6 axis	0/6
11	Random Vibration (RV)	6G RMS, 10-2000Hz, 10min	per axis	0/6
12	Variable Vibration Frequency (VVF)	10-2000-10Hz, log or linear sweep rate, 20G for 1 min, 1.5mm each apply 3x per axis	over 6hrs	0/6
13	Salt Spread (SS)	35°C, 30g/m ² /day	48hrs	0/11

Criteria for Judging the Damage

Item	Symbol	Test Condition	Criteria for Judgment	
			Min.	Max.
Forward Voltage	V _F	I _F =Typical Current		U.S.L. x 1.1
Luminous Flux	Im	I _F =Typical Current	L.S.L. x 0.7	
CCX&CCY	x,y	I _F =Typical Current		Shift<0.02

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9. User Guide

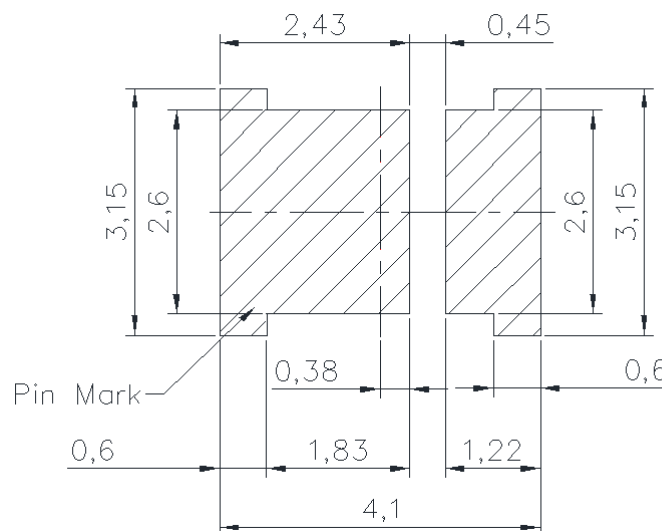
■ Cleaning

Do not use unspecified chemical liquid to clean LED they could harm the package. If cleaning is necessary, immerse the LED in ethyl alcohol or isopropyl alcohol at normal temperature for less than one minute.

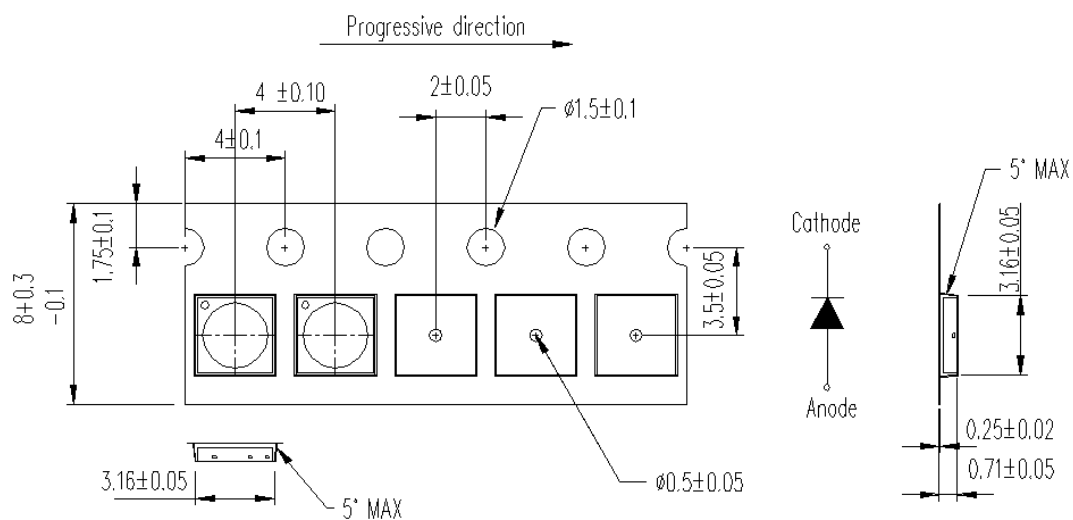
■ Recommend Printed Circuit Board Attachment Pad

Infrared / vapor phase

Reflow Soldering



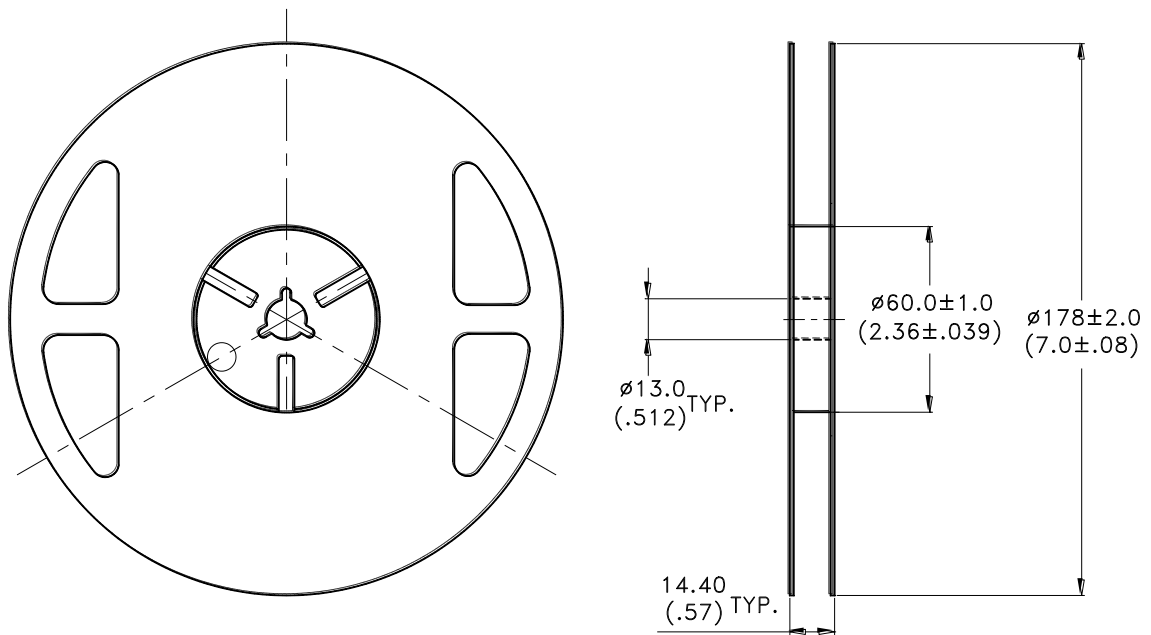
■ Package Dimensions of Tape



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Note: All dimensions are in millimeters (inches).

■ **Package Dimensions of Reel**



Notes:

1. Empty component pockets sealed with top cover tape.
2. 7 inch reel-1000 pieces per reel.
3. Minimum packing quantity is 500 pieces for remainders.
4. The maximum number of consecutive missing lamps is two.
5. In accordance with EIA-481-1-B specifications.

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10. Cautions

10.1 Application

The LEDs described here are intended to be used for ordinary electronic equipment (such as office equipment, communication equipment and household applications). Consult Liteon's Sales in advance for information on applications in which exceptional reliability is required, particularly when the failure or malfunction of the LEDs may directly jeopardize life or health (such as in aviation, transportation, traffic control equipment, medical and life support systems and safety devices).

10.2 Storage

This product is qualified as Moisture sensitive Level 3 per JEDEC J-STD-020 Precaution when handling this moisture sensitive product is important to ensure the reliability of the product.

The package is sealed:

The LEDs should be stored at 30°C or less and 90%RH or less. And the LEDs are limited to use within one year, while the LEDs is packed in moisture-proof package with the desiccants inside.

The package is opened:

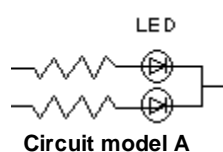
The LEDs should be stored at 30°C or less and 60%RH or less. Moreover, the LEDs are limited to solder process within 168hrs. If exceeding the storage limiting time since opened, that we recommended to baking LEDs at 60°C at least 24hrs. To seal the remainder LEDs return to package, it's recommended to be with workable desiccants in original package.

10.3 Cleaning

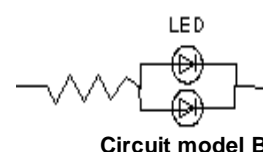
Use alcohol-based cleaning solvents such as isopropyl alcohol to clean the LED if necessary.

10.4 Drive Mode

An LED is a current-operated device. In order to ensure intensity uniformity on multiple LEDs connected in parallel in an application, it is recommended that a current limiting resistor be incorporated in the drive circuit, in series with each LED as shown in Circuit A below



(A) Recommended circuit.



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(B) The brightness of each LED might appear different due to the differences in the I-V characteristics of those LEDs.

10.5 ESD (Electrostatic Discharge)

Static Electricity or power surge will damage the LED. Suggestions to prevent ESD damage:

- Use of a conductive wrist band or anti-electrostatic glove when handling these LEDs.
- All devices, equipment, and machinery must be properly grounded.
- Work tables, storage racks, etc. should be properly grounded.
- Use ion blower to neutralize the static charge which might have built up on surface of the LED's plastic lens as a result of friction between LEDs during storage and handling.

ESD-damaged LEDs will exhibit abnormal characteristics such as high reverse leakage current, low forward voltage, or "no lightup" at low currents. To verify for ESD damage, check for "light up" and Vf of the suspect LEDs at low currents. The Vf of "good" LEDs should be >2.0V per die @0.1mA for InGaN product and >1.4V per die @0.1mA for AlInGaP product.

10.6 Suggested Checking List:

- Training and Certification
 1. Everyone working in a static-safe area is ESD-certified?
 2. Training records kept and re-certification dates monitored?
- Static-Safe Workstation & Work Areas
 1. Static-safe workstation or work-areas have ESD signs?
 2. All surfaces and objects at all static-safe workstation and within 1 ft measure less than 100V?
 3. All ionizer activated, positioned towards the units?
 4. Each work surface mats grounding is good?
- Personnel Grounding
 1. Every person (including visitors) handling ESD sensitive (ESDS) items wear wrist strap, heel strap or conductive shoes with conductive flooring?
 2. If conductive footwear used, conductive flooring also present where operator stand or walk?
 3. Garments, hairs or anything closer than 1 ft to ESD items measure less than 100V*?

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4. Every wrist strap or heel strap/conductive shoes checked daily and result recorded for all DLs?

5. All wrist strap or heel strap checkers calibration up to date?

Note: *50V for Blue LED.

- Device Handling

1. Every ESDS items identified by EIA-471 labels on item or packaging?

2. All ESDS items completely inside properly closed static-shielding containers when not at static-safe workstation?

3. No static charge generators (e.g. plastics) inside shielding containers with ESDS items?

4. All flexible conductive and dissipative package materials inspected before reuse or recycle?

- Others

1. Audit result reported to entity ESD control coordinator?

2. Corrective action from previous audits completed?



3. Are audit records complete and on file?

10.7 Others:







- Do not put any pressure on the light emitting surface either by finger or any hand tool and do not stack the products. Stress or pressure may cause damage to the wires of the LED array.
- This product is not designed for the use under any of the following conditions, please confirm the performance and reliability are well enough if you use it under any of the following conditions
- Do not use sulfur-containing materials in commercial products including the materials such as seals and adhesives that may contain sulfur.
- Do not put this product in a place with a lot of moisture (over 85% relative humidity), dew condensation, briny air, and corrosive gas (Cl, H₂S, NH₃, SO₂, NO_x, etc.), exposure to a corrosive environment may affect silver plating.
- The appearance and specifications of the product may be modified for improvement without prior notice.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View LTW-3030AZL40 on WIN SOURCE](#)
-  [Lite-On Inc. Information](#)

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