



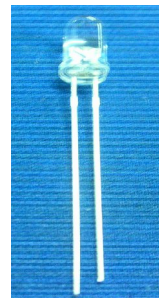
Technical Data Sheet

5.0 mm Round LED (T-1 3/4)

334-15UTC/H0/S400-X9

Features

- Popular T-1 3/4 colorless 5mm package.
- High luminous power.
- Typical chromaticity coordinates $x=0.29$, $y=0.28$ according to CIE1931.
- Bulk, available taped on reel.
- Pb free .
- The product itself will remain within RoHS compliant version.



Descriptions

- The series is designed for application required high luminous intensity.
- The phosphor filled in the reflector converts the blue emission of InGaN chip to ideal white.

Applications

- Outdoor Displays
- Optical Indicators
- Backlighting
- Marker Lights

Device Selection Guide

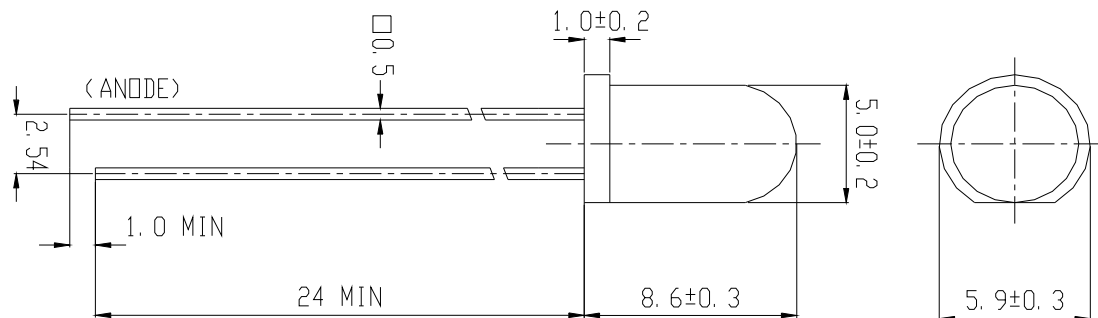
PART NO.	Chip		Lens Color
	Material	Emitted Color	
334-15UTC/H0/S400-X9	InGaN	White	Water Clear

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Package Dimensions



Notes:

1. All dimensions are in millimeters, and tolerance is 0.25mm except being specified.
2. Lead spacing is measured where the lead emerges from the package.
3. Protruded resin under flange is 1.5mm Max. LED.

Absolute Maximum Ratings (Ta=25)

Parameter	Symbol	Rating	Unit
Continuous Forward Current	I _F	25	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-40 ~ +85	
Storage Temperature	T _{stg}	-40 ~ +100	
Soldering Temperature (T=5 sec)	T _{sol}	260	
Power Dissipation	P _d	110	mW
Electrostatic Discharge	ESD	150	V



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Electro-Optical Characteristics (Ta=25)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Forward Voltage	V _F	I _F =20mA	2.8	--	4.0	V
Reverse Current	I _R	V _R =5V	--	--	50	uA
Luminous Intensity	I _V	I _F =20mA	1600	--	6300	mcd
Viewing Angle	2θ _{1/2}	I _F =20mA	--	40	--	deg
Chromaticity Coordinates	x	I _F =20mA	--	0.29	--	--
	y		--	0.28	--	--

Luminous Intensity Combination (mcd at 20mA)

I _V Ranks	M	N	P	Q	R
Min.	1600	2000	2500	3200	4000
Max.	2500	3200	4000	5000	6300

Measurement Uncertainty of Luminous Intensity: ±15%

Forward Voltage Combination (V at 20mA)

V _F Ranks	0	1	2	3	4
Min.	2.8	3.0	3.2	3.4	3.6
Max.	3.0	3.2	3.4	3.6	3.8

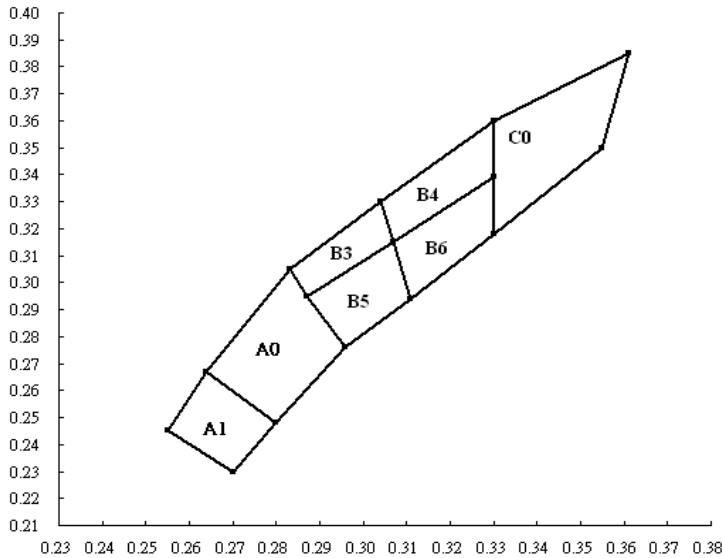
Measurement Uncertainty of Forward Voltage : ±0.1V

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CIE Chromaticity Diagram ($I_F=20\text{mA}$, $T_a=25$)



Color Ranks		CIE			
A1	X	0.255	0.264	0.28	0.27
	Y	0.245	0.267	0.248	0.23
A0	X	0.283	0.296	0.28	0.264
	Y	0.305	0.276	0.248	0.267
B3	X	0.283	0.304	0.307	0.287
	Y	0.305	0.33	0.315	0.295
B4	X	0.304	0.33	0.33	0.307
	Y	0.33	0.36	0.339	0.315
B5	X	0.287	0.307	0.311	0.296
	Y	0.295	0.315	0.294	0.276
B6	X	0.307	0.33	0.33	0.311
	Y	0.315	0.339	0.318	0.294
C0	X	0.33	0.361	0.355	0.33
	Y	0.36	0.385	0.35	0.318

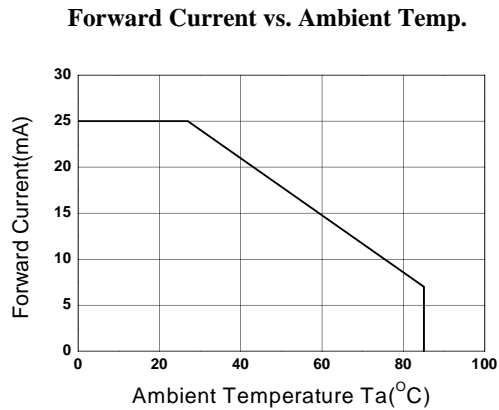
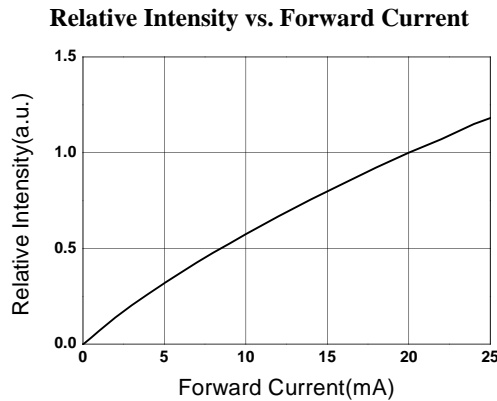
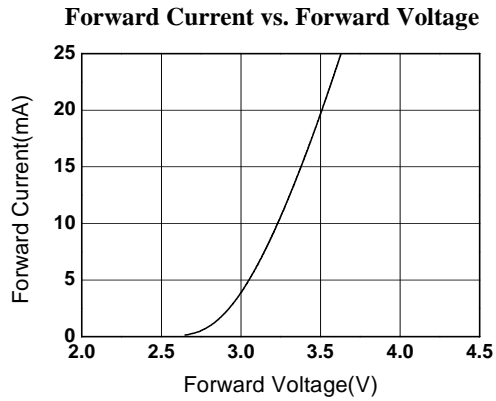
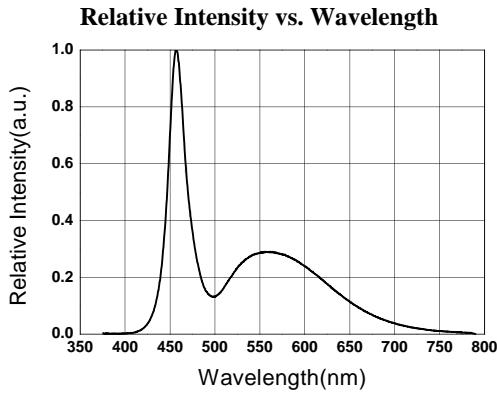
Measurement uncertainty of the color coordinates : ± 0.01

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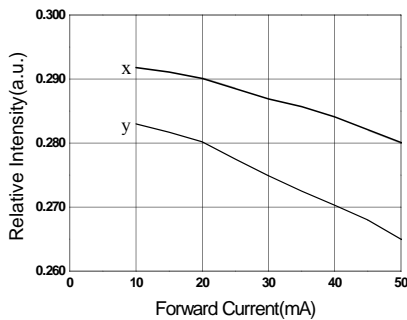
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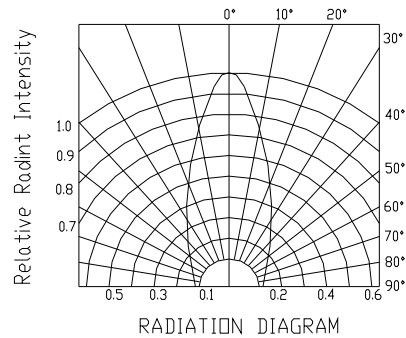
Typical Electro-Optical Characteristics Curves



Chromaticity Coordinate vs. Forward Current



Relative Intensity vs. Angle Dispacemen





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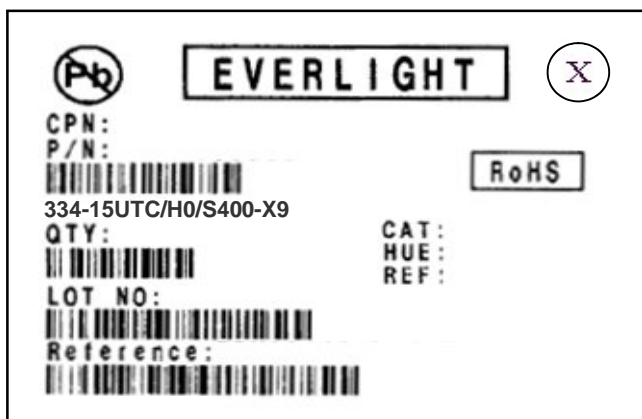
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Packing Quantity Specification

1. 500PCS/1Bag , 4Bags/1Box
2. 10Boxes/1Carton

Label Form Specification



CPN: Customer's Production Number
 P/N : Production Number
 QTY: Packing Quantity
 CAT: IV&VF Rank
 HUE: Color Rank
 REF: Reference
 LOT No: Lot Number

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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文件修訂記錄：(File modified records)

版別 (Rev.)	修訂日期 (Modified date)	文件修訂內容 (File modified contents)	備註 (Notes)
1	2010/5/19	將舊編號CDLE修改為DLE仍為第一版。	

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