

PRODUCT SPECIFICATION

Model No.: FYL-3014UWC1G-7000K-TR13

Descriptions:

- Dice material: InGaN\GaN.
- Emitting Color: Super Bright Neutral White.
- Device Outline: Φ3mm round type.
- Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

Add:No. 666 Jinghua Road, Hi-tech Park, Ningbo, Zhejiang, China

Zip:315103

Tel: 0086-574-87933652 87927870

Fax: 0086-574-87927917

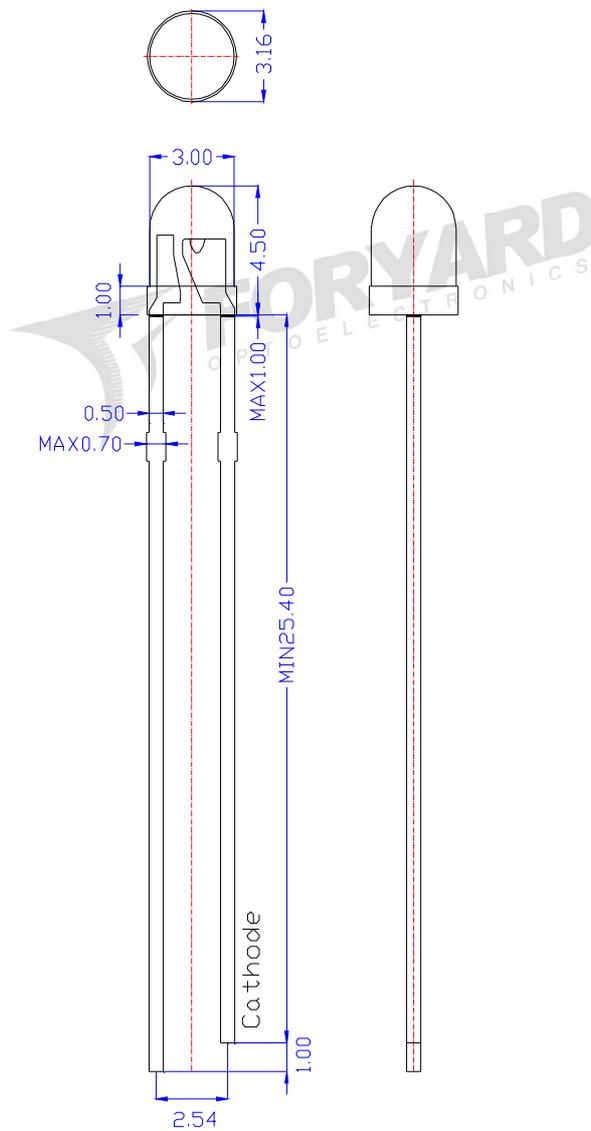
E-mail:Sales@foryard.com (General)

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Features

- 1.Low power consumption.
- 2.High efficiency.
- 3.General purpose leads.
- 4.High intensity.
- 5.RoHs compliant.

Package configuration



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm} (.010\text{'})$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
4. The drawing is different from the actual one, please refer to the sample.

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■ Absolute Maximum Ratings(Ta=25°C)

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

■ Typical Electrical & Optical Characteristics(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	4000	6000	10000	mcd	IF=20mA
Viewing Angle	2θ _{1/2}	---	55	---	Deg	
Color temperature	CCT	4500	7000	9500	---	
Chromaticity coordinates	X	0.359	0.32	0.285	---	
	Y	0.359	0.34	0.285	---	
Forward Voltage	V _F	2.6	3	3.4	V	VR=5V
Reverse Current	I _R	---	---	10	μA	

Note:

- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

■ Luminous Intensity Guide (Unit: mcd) @IF=20mA

Code	W13	W14	W15	W16
Luminous Intensity(mcd)	4000~5000	5000~6000	6000~8000	8000~10000

Tolerance of measurement of luminous intensity is ±15%

■ Forward Voltage Guide (Unit: V) @IF=20mA

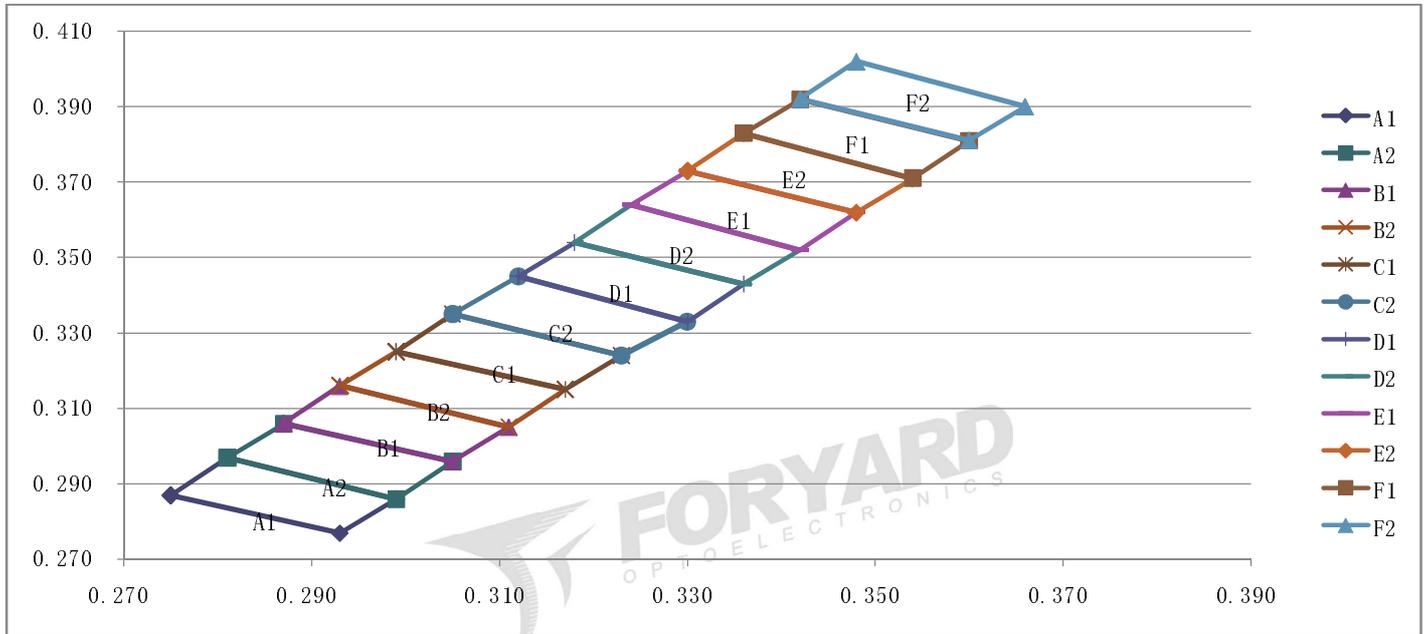
Code	V6	V7	V8	V9
Forward Voltage(V)	2.6~2.8	2.8~3.0	3.0~3.2	3.2~3.4

Tolerance of measurement of forward voltage is ±0.1V

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Chromaticity Coordinate Grade of White Chip-LED Products

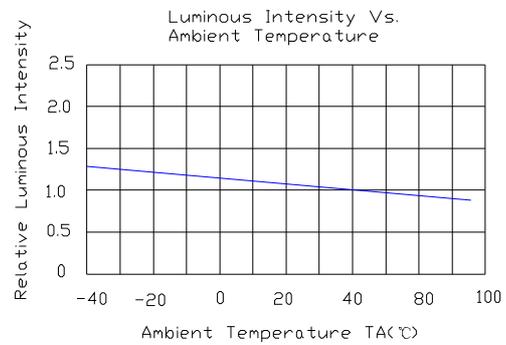
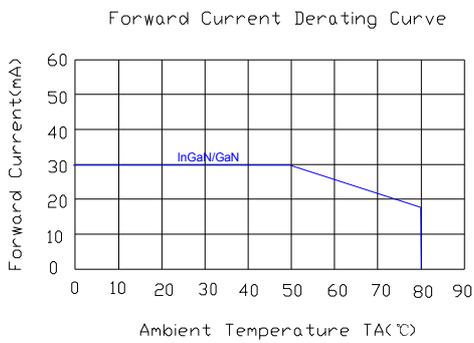
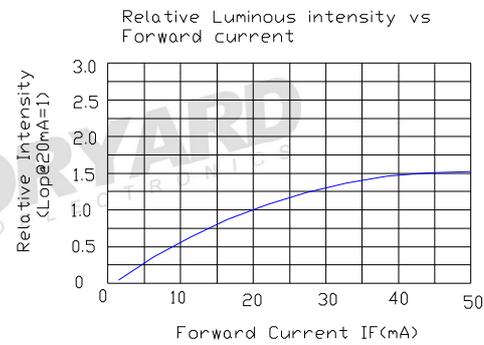
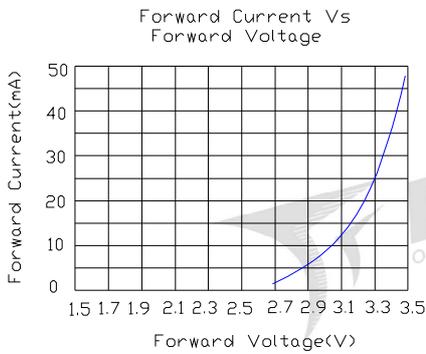
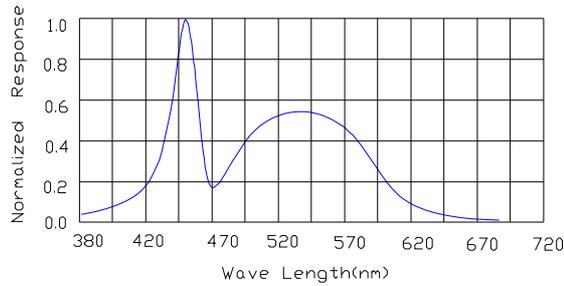
Test Condition: If=20mA, Ta=25°C



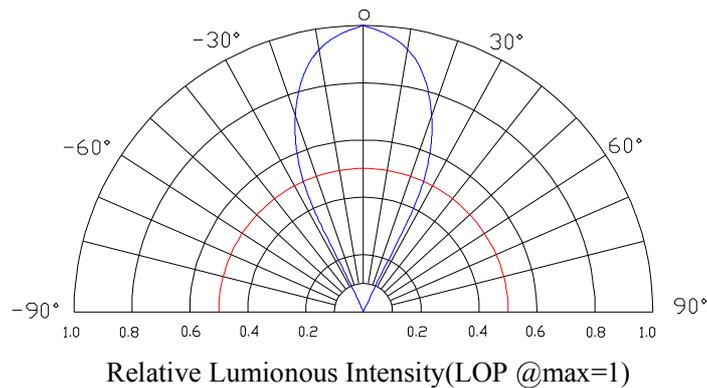
F1	X	0.3360	0.3420	0.3600	0.3540	F2	X	0.3420	0.3480	0.3660	0.3600
	Y	0.3830	0.3920	0.3810	0.3710		Y	0.3920	0.4020	0.3900	0.3810
E1	X	0.3240	0.3300	0.3480	0.3420	E2	X	0.3300	0.3360	0.3540	0.3480
	Y	0.3640	0.3730	0.3620	0.3520		Y	0.3730	0.3830	0.3710	0.3620
D1	X	0.3120	0.3180	0.3360	0.3300	D2	X	0.3180	0.3240	0.3420	0.3360
	Y	0.3450	0.3540	0.3430	0.3330		Y	0.3540	0.3640	0.3520	0.3430
C1	X	0.2990	0.3050	0.3230	0.3170	C2	X	0.3050	0.3120	0.3300	0.3230
	Y	0.3250	0.3350	0.3240	0.3150		Y	0.3350	0.3450	0.3330	0.3240
B1	X	0.2870	0.2930	0.3110	0.3050	B2	X	0.2930	0.2990	0.3170	0.3110
	Y	0.3060	0.3160	0.3050	0.2960		Y	0.3160	0.3250	0.3150	0.3050
A1	X	0.2750	0.2810	0.2990	0.2930	A2	X	0.2810	0.2870	0.3050	0.2990
	Y	0.2870	0.2970	0.2860	0.2770		Y	0.2970	0.3060	0.2960	0.2860

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Typical Electrical/Optical Characteristics Curves(Ta=25°C Unless Otherwise Noted)

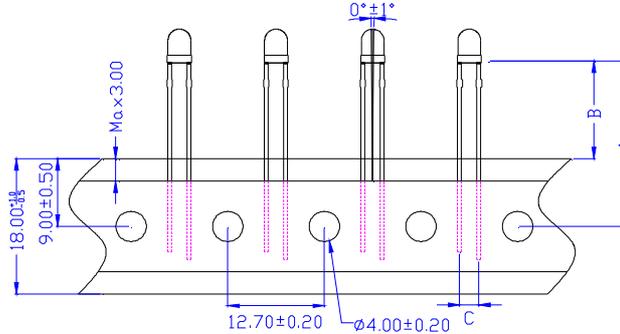


Radiation pattern



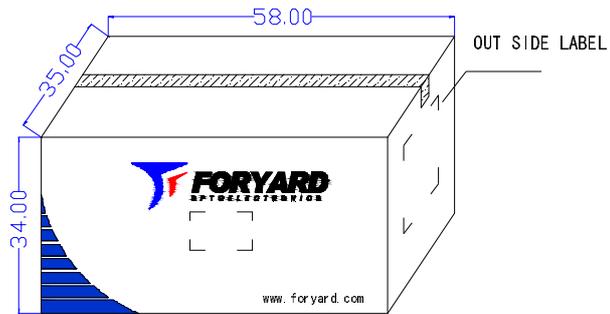
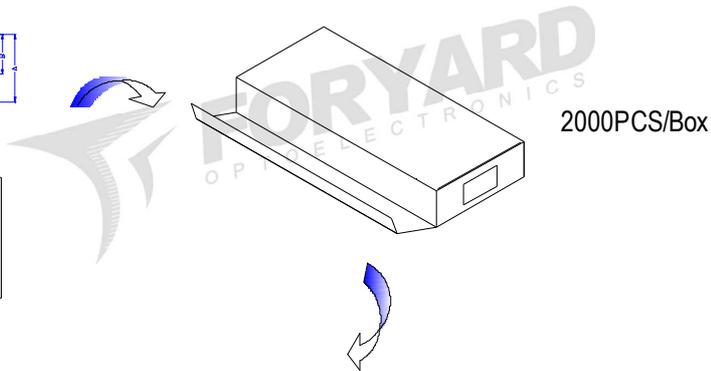
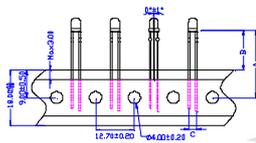
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■ LAMP PACKING.

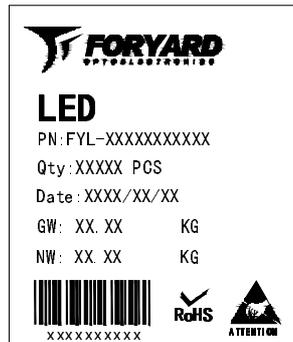


A:22.00mm±0.5mm, B:13.00mm±0.5mm, C:2.54mm±0.05mm

■ Packaging box for ammo packs



12 boxes/carton



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.