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## DATA SHEET

PART NO. : L-3142UB5W

REV : A / 3

CUSTOMER'S APPROVAL : \_\_\_\_\_

DCC : \_\_\_\_\_

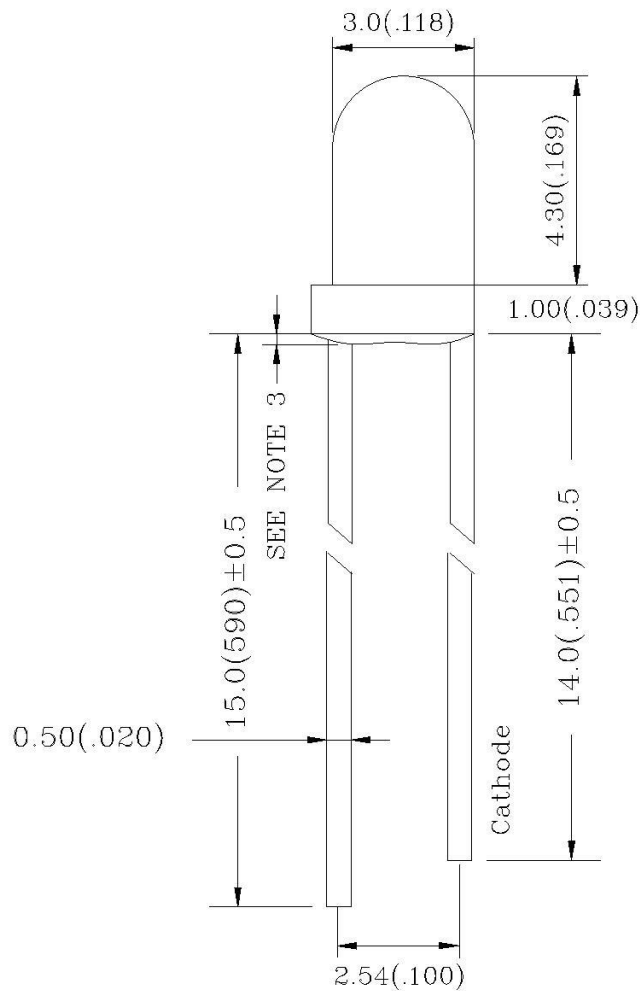
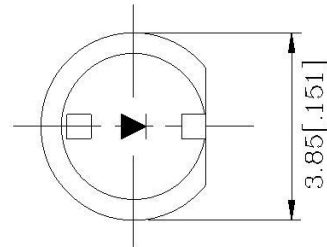
DRAWING NO. : DS-G-33-17-0096

DATE : 2021-02-09

Page : 1

### PACKAGE DIMENSIONS

ITEM	MATERIALS
RESIN	Epoxy Resin



**Note:**

1. All Dimensions are in millimeters.
2. Tolerance is  $\pm 0.25\text{mm}$  (0.010 ") Unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.059 ") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice
6. The lamps have sharp and hard points that may injure human eyes or fingers etc., so please pay enough care in the handling.



# 3.0 mm DIA LED LAMP

L-3142UB5W

REV:A / 3

## FEATURES

- \* High-brightness
- \* High reliability
- \* Low-voltage characteristics
- \* Narrow view angle
- \* Pb FREE Products
- \* RoHS Compliant

## CHIP MATERIALS

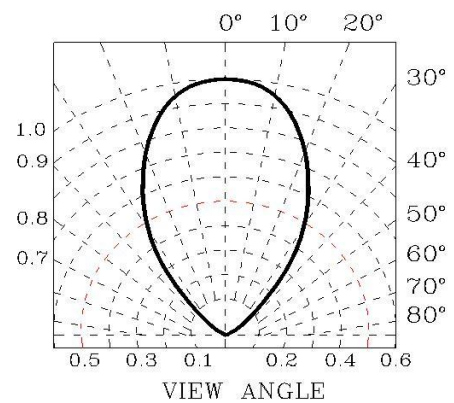
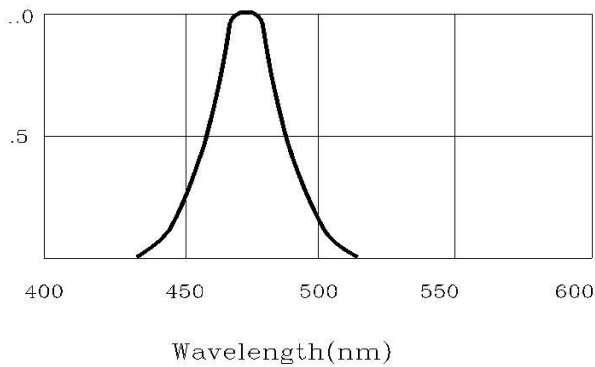
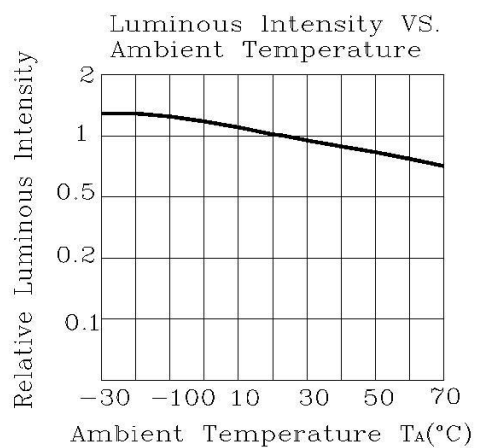
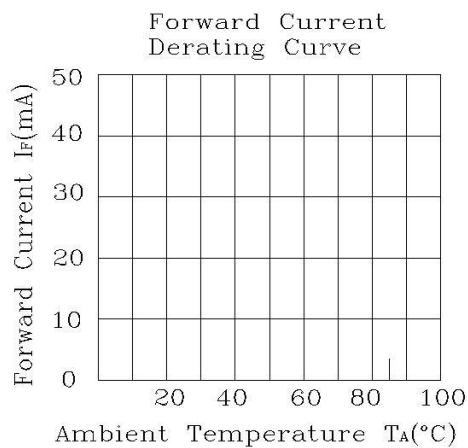
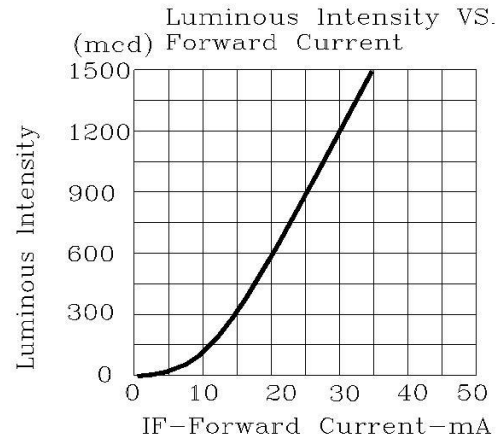
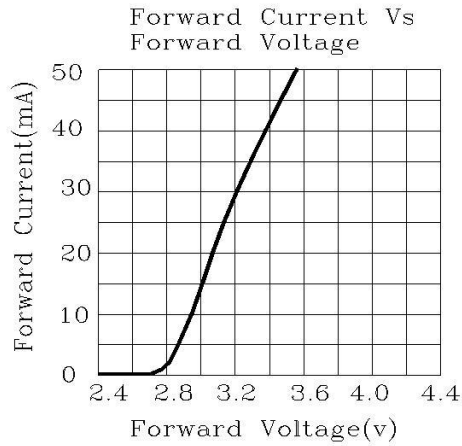
- \* Dice Material : GaInN/GaN
- \* Light Color : Blue
- \* Lens Color : WHITE DIFFUSED

### ABSOLUTE MAXIMUM RATING : ( Ta = 25 C )

SYMBOL	PARAMETER	Blue	UNIT
PD	Power Dissipation Per Chip	80	mW
VR	Reverse Voltage Per Chip	5	V
IAF	Continuous Forward Current Per Chip	20	mA
IPF	Peak Forward Current Per Chip (Duty— 0.1 1KHz)	80	mA
Topr	Operating Temperature Range	-40 C to 85 C	
Tstg	Storage Temperature Range	-40 C to 85 C	

### ELECTRO-OPTICAL CHARACTERISTICS : ( Ta = 25 C )

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF = 20mA		3.0	4.0	V
IR	Reverse Current	VR = 5V			10	A
D	Dominant Wavelength	IF = 20mA		470		nm
$\Delta$	Spectral Line Half-Width	IF = 20mA		30		nm
2 $\theta$ 1/2	Half Intensity Angle	IF = 20mA		60		deg
IV	Luminous Intensity	IF = 20mA		600		mcd





3.0 mm DIA LED LAMP

L-3142UB5W

REV:A / 3

Label Explanation

	光鼎电子股份有限公司		
	PARA LIGHT ELECTRONICS CO.,LTD.		
PART NO. :			
LOT NO. :		INSPECTED	
BIN :			
Q' TY :	PCS		
N. W :	g		

PARA NO. : Refer to p13

LOT NO. : EN L L 4 7 0009

A B C D E F

A---EN: For series number

B---L: Local

C---L: LAMP

D---Year

E---Month

F---SPEC.

BIN : Bin Code List