



PARA LIGHT ELECTRONICS CO., LTD.

11F., No. 8, Jiankang Rd., Zhonghe Dist., New Taipei City 235, Taiwan

Tel: 886-2-2225-3733

Fax: 886-2-2225-4800

E-mail: para@para.com.tw

www.paralighttaiwan.com

DATA SHEET

PART NO. : L-319SRVYW-PN-CA1

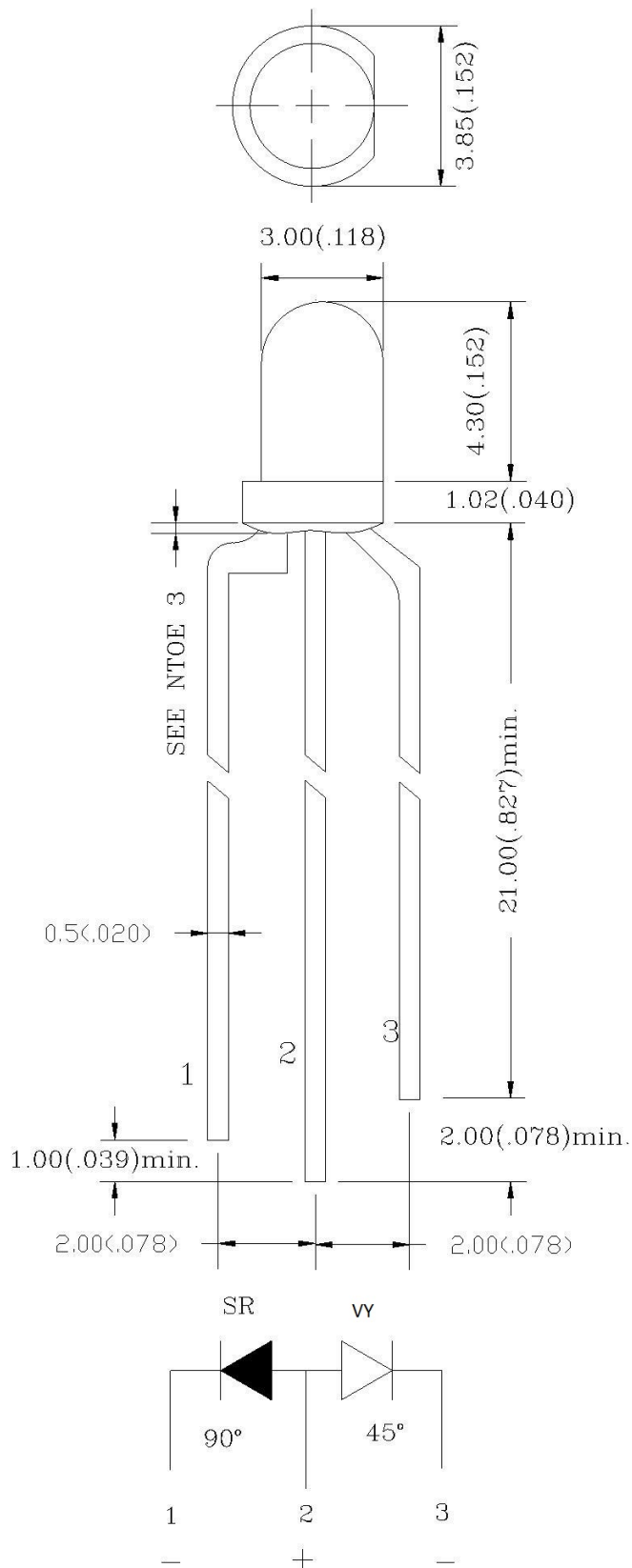
REV : A / 1

PARA LIGHT ENGINEERING: _____

CUSTOMER'S APPROVAL: _____

DCC: _____

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.



3.0 mm DIA LED LAMP

L-319SRVYW-PN-CA1

REV:A / 1

FEATURES

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

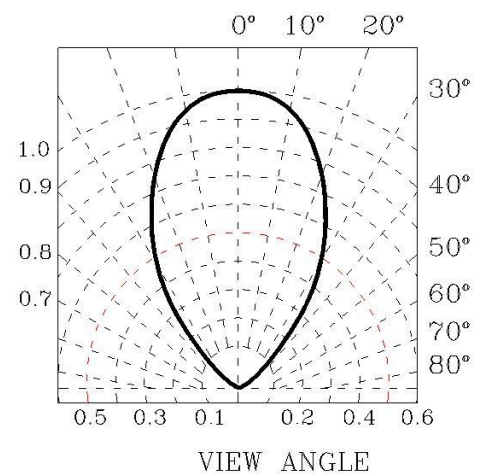
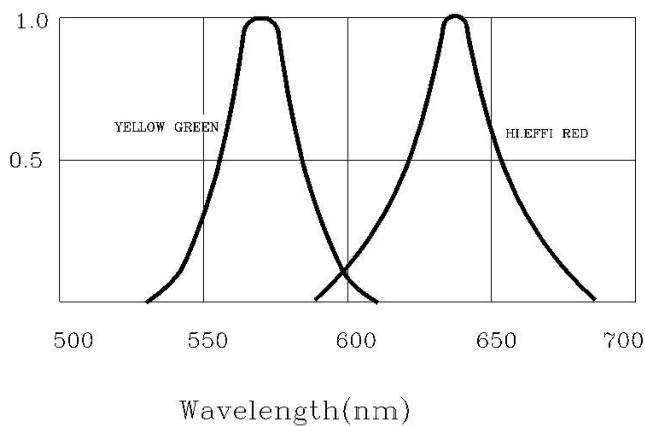
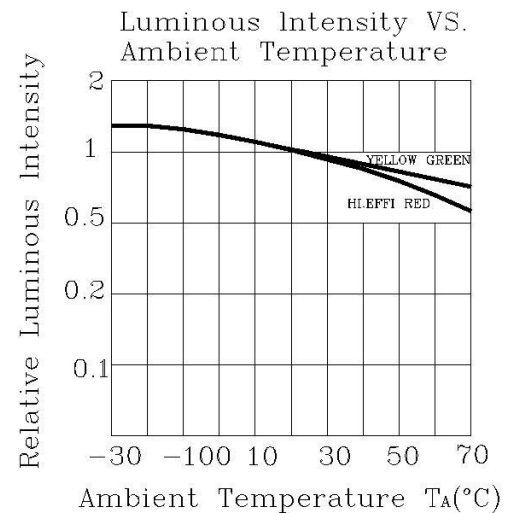
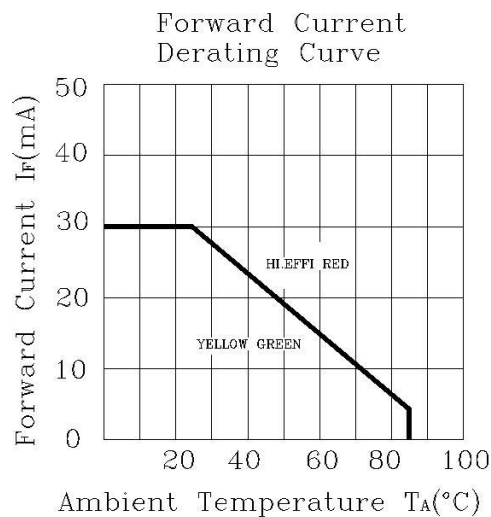
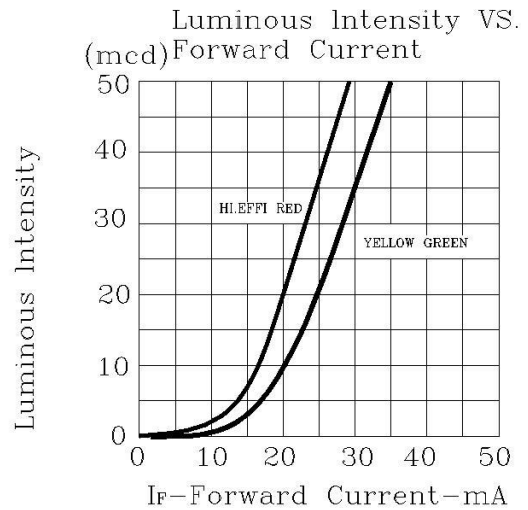
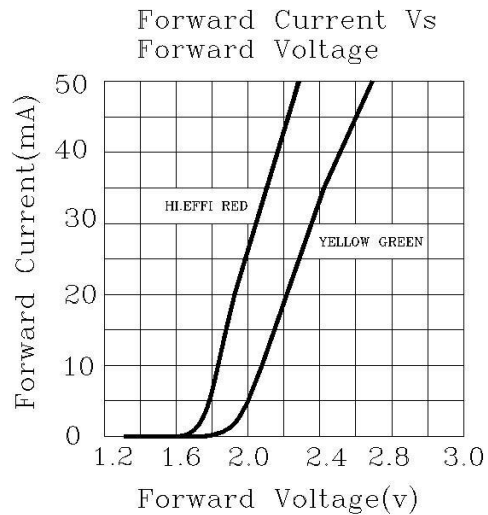
CHIP MATERIALS

- * Dice Material : GaAsP/GaP & GaP/GaP
- * Light Color : MULTICOLOR(HI.EFFI RED & YELLOW GREEN)
- * Lens Color : WHITE DIFFUSED

ABSOLUTE MAXIMUM RATING : (Ta = 25 °C)				
SYMBOL	DESCRIPTION	HI.EFFI RED	YELLOW	UNIT
PD	Power Dissipation	85	85	mW
VR	Reverse Voltage	5	5	V
IF	Average Forward Current	20	20	mA
IPF	Peak Forward Current (Duty=0.1,1KHZ)	80	20	mA
Topr	Operating Temperature Range	-40°C to 100°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		1.9	2.8	V
				2.2	2.8	V
IR	Reverse Current	VR=5V			10	μA
					10	
					642	
D	Dominant Wavelength	IF=20mA				
				591		nm
Δ	Spectral Line Half-Width	IF=20mA		3		nm
				30		nm
2θ1/2	Half Intensity Angle	IF=20mA		60		deg
				60		deg
Iv	Luminous Intensity	IF=20mA	10.8	20	57.8	mcd
			5.7	10	29.5	mcd

■ TJ= 25°C





3.0 mm DIA LED LAMP

L-319SRVYW-PN-CA1

REV:A / 1

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.: L-319SRVYW-PN-CA1

LOT NO.: EN L L 20 04 0009

A B C D E F

A---E: For Serial number

B---L: Local F: Foreign

C---L: LAMP

D---Year

E---Month

F---Serial number

BIN : Bin Code List

Luminous Intensity(IV), Unit:mcd@20mA					
Bin Code(SR)	Min	Max	Bin Code(Y)	Min	Max

Tolerance of each bin are±15%