

**SMD LED LAMP, Bi-Color Type**
**BL-LS1608F0E2**
**Features:**

- 1.6mmx0.8mm SMD, 0.6mm THICKNESS
- Bi-color type
- Compatible with automatic placement equipment
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- PACKAGE: 4KPCS/REEL
- RoHs Compliance


**Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=20mA)**

Part Number	Chip			Lens Type	Forward Voltage(VF) Unit:V		Luminous Intensity (lv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λ <sub>p</sub> (nm)		Typ	Max	Min.	Typ.	
					BL-LS1608F0E2EGC	Red	GaAsP	635	
	Green	GaP	568	2.30	2.70	6	15		
BL-LS1608F0E2UYUGC	Ultra Yellow	AllnGaP	593	2.10	2.60	30	65		
	Ultra Green	AllnGaP	575	2.20	2.70	40	80		
BL-LS1608F0E2UEUGC	Ultra Red	AllnGaP	630	2.10	2.60	30	70		
	Ultra Green	AllnGaP	575	2.20	2.70	40	80		

**Absolute maximum ratings (Ta=25°C)**

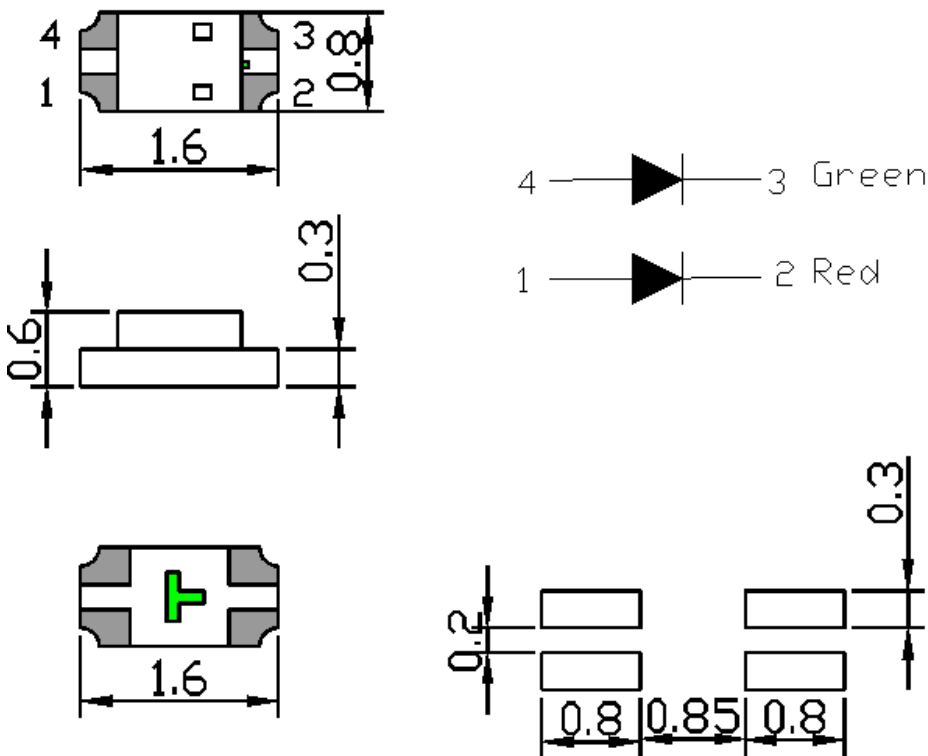
Parameter	Rating	Unit
Forward Current I <sub>F</sub>	30	mA
Power Dissipation P <sub>d</sub>	78	mW
Reverse Voltage V <sub>R</sub>	5	V
Peak Forward Current I <sub>PF</sub> (Duty 1/10 @1KHZ)	100	mA
Operation Temperature T <sub>OPR</sub>	-30 to +80	°C
Storage Temperature T <sub>STG</sub>	-40 to +85	°C
Lead Soldering Temperature T <sub>SOL</sub>	Max.260±5°C for 3 sec Max. (1.6mm from the base of the epoxy bulb)	°C

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■ **Package configuration & Internal circuit diagram**

# BL-LS1608F0E2 Series



**Notes:**

1. All dimensions are in millimeters (inches)
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.
3. Specifications are subject to change without notice.

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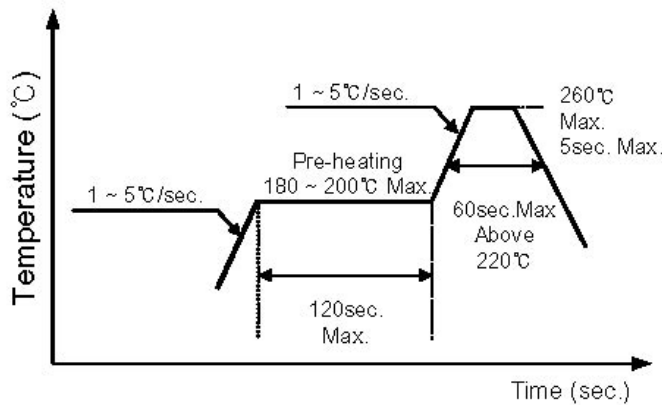
**BL-LS1608F0E2**

■ **Tape Specifications**

**Smt Reflow Soldering Instructions**

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process

■ **Lead-free Solder**



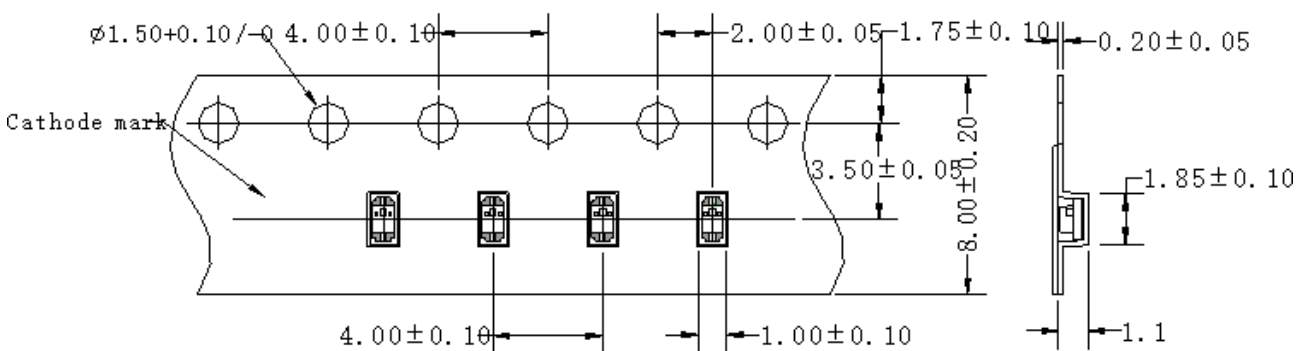
■ **Tape Specifications**

(Units:mm)

**Tape Specifications**

Unit: mm

Tolerance: ±0.1

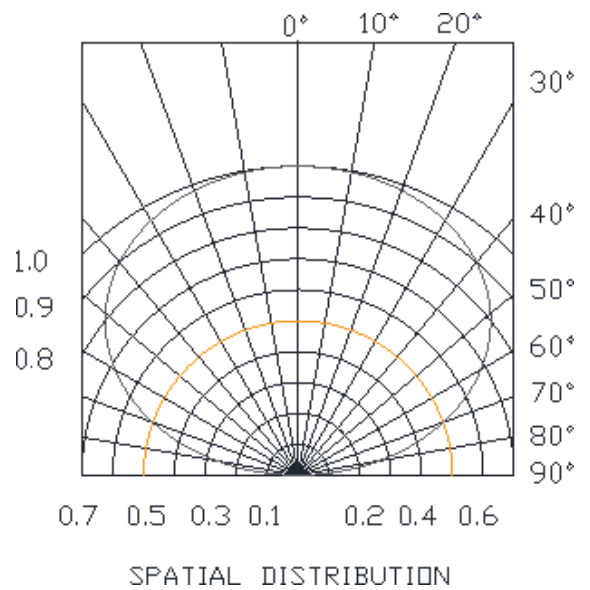
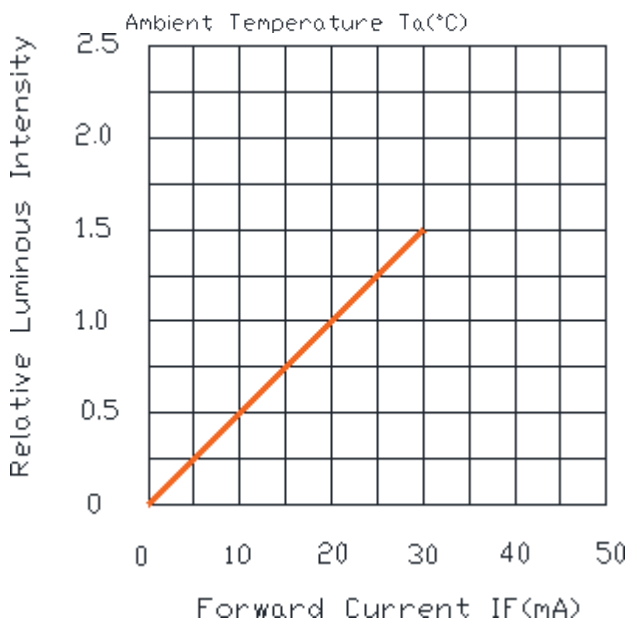
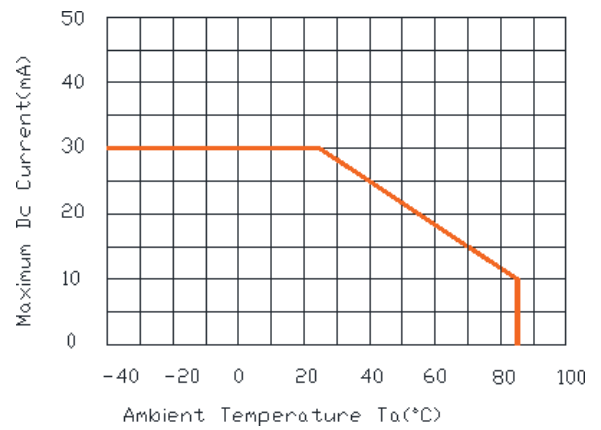
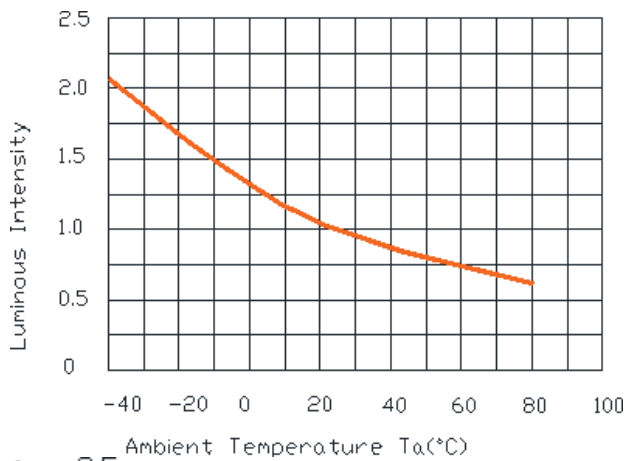
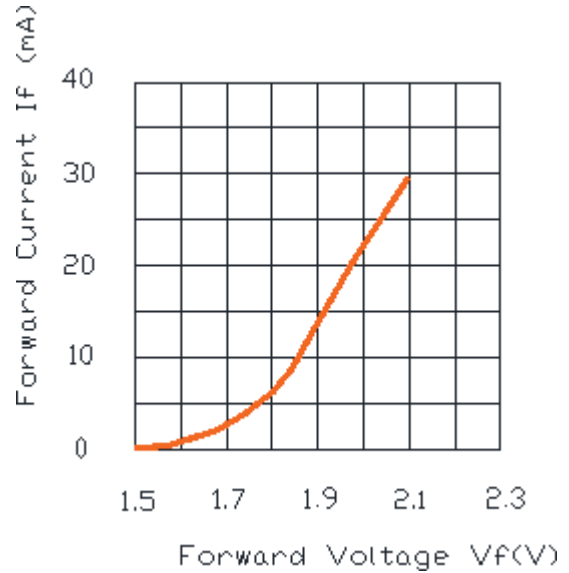
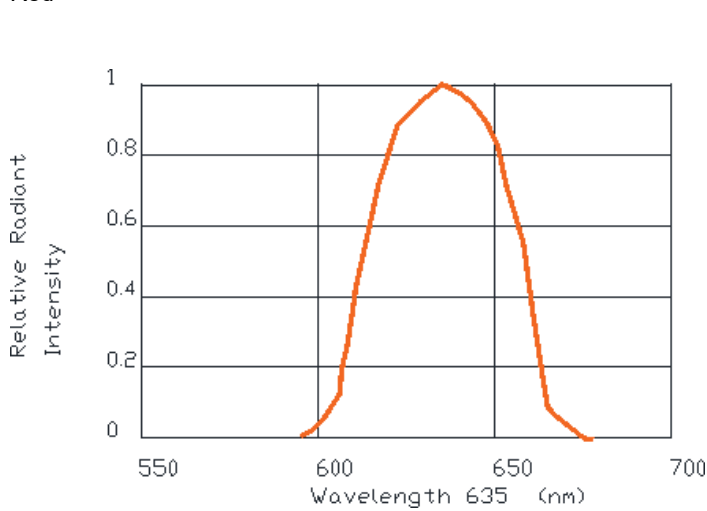


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■ **Typical electrical-optical characteristics curves:**

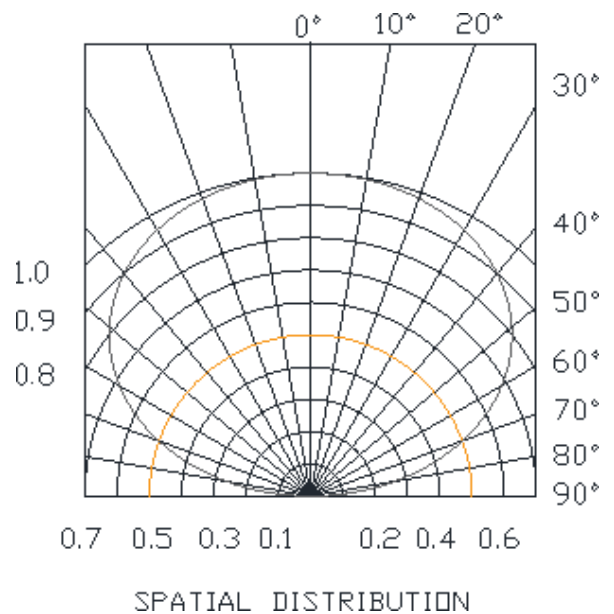
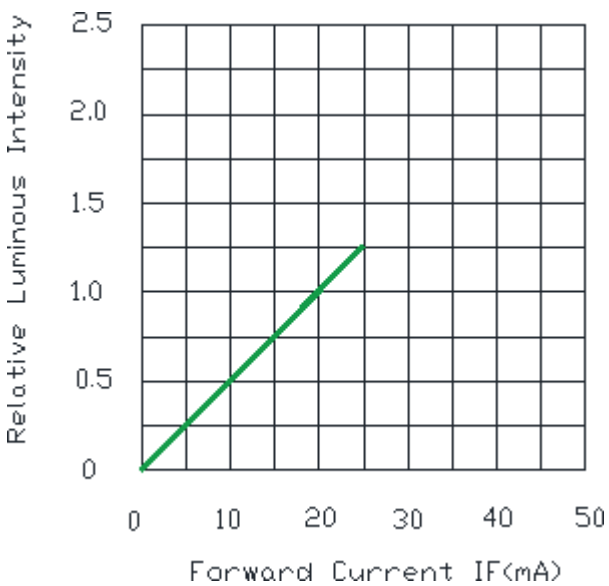
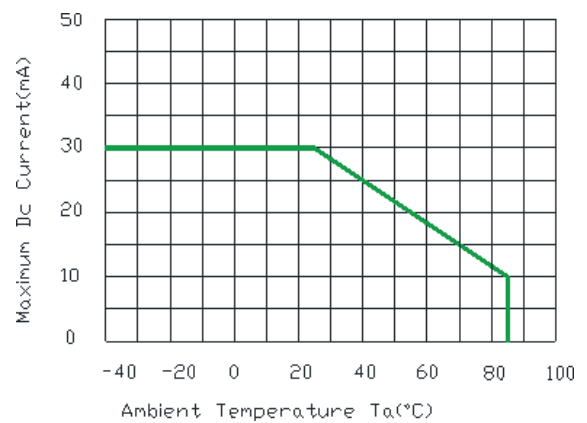
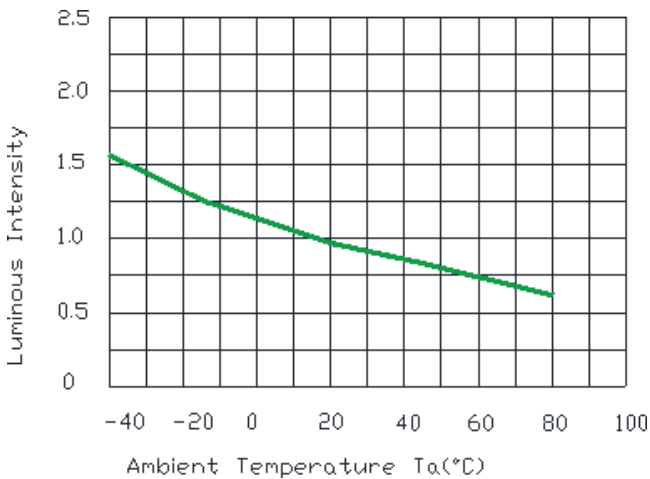
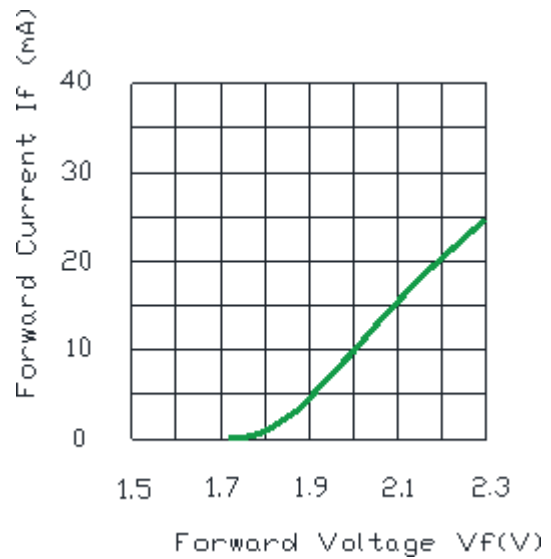
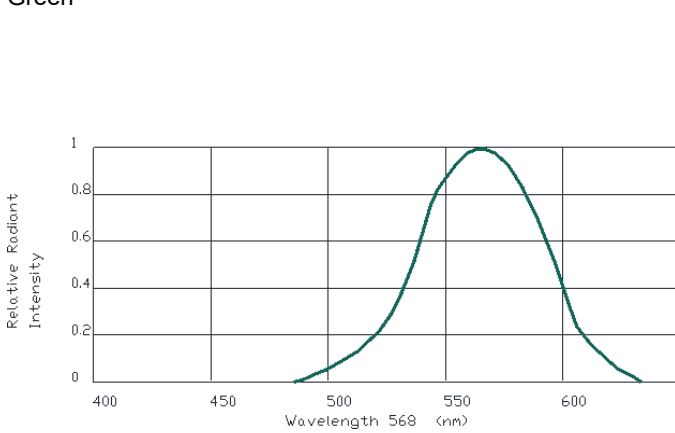
Red



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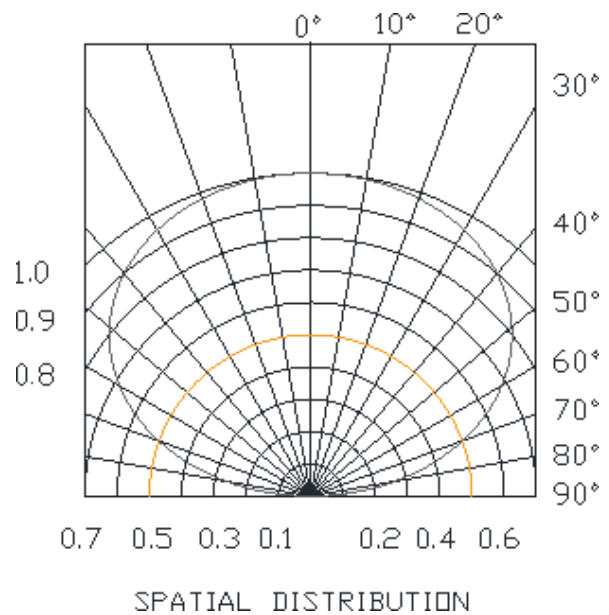
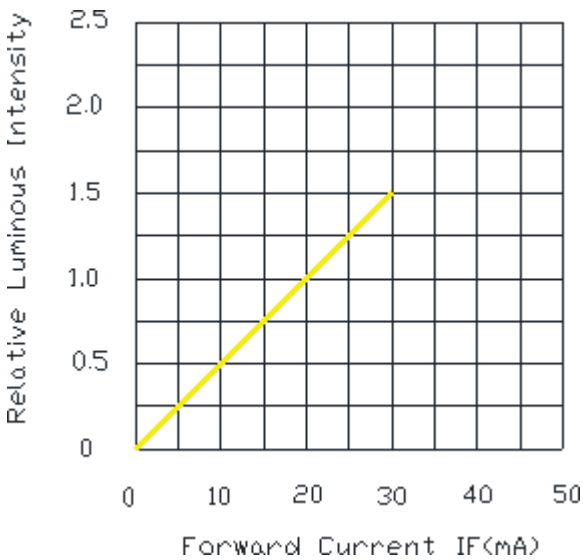
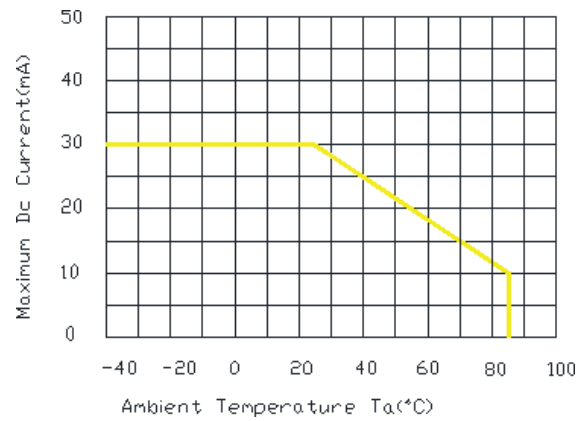
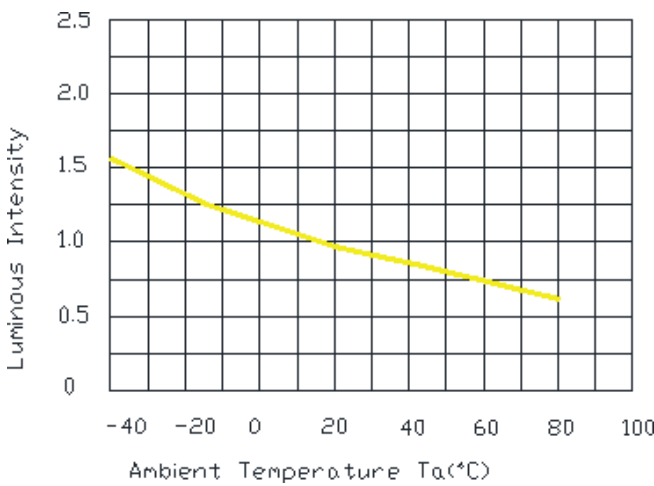
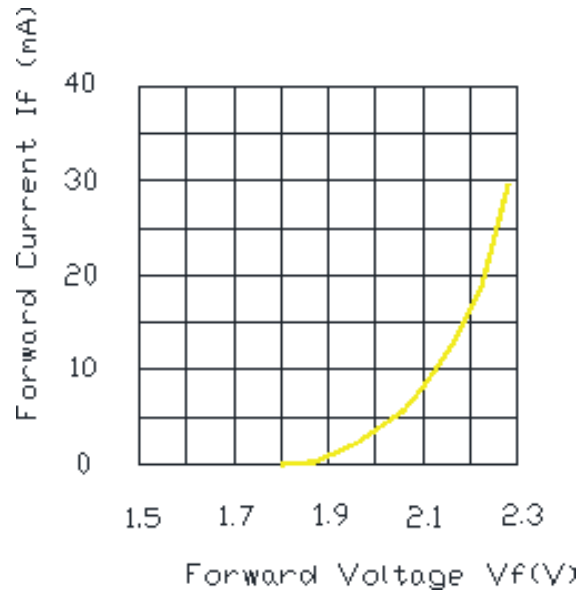
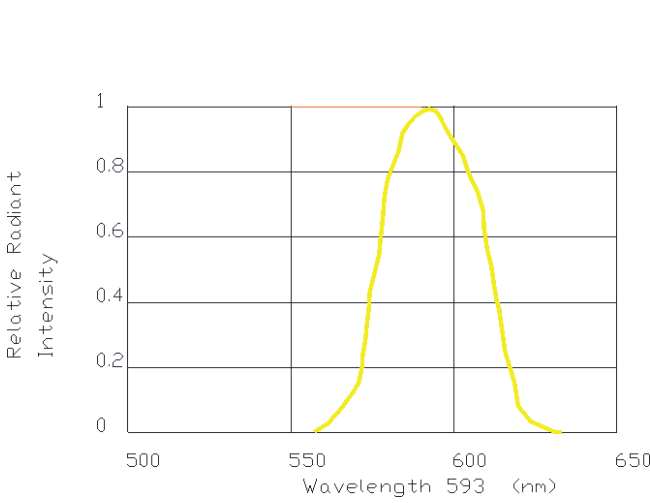
Green



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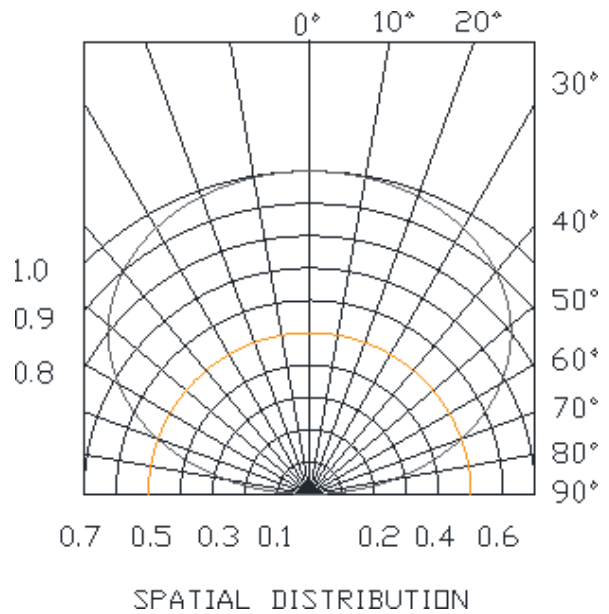
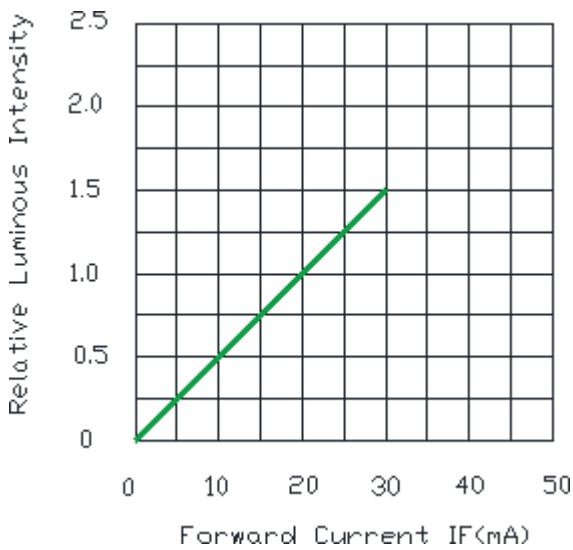
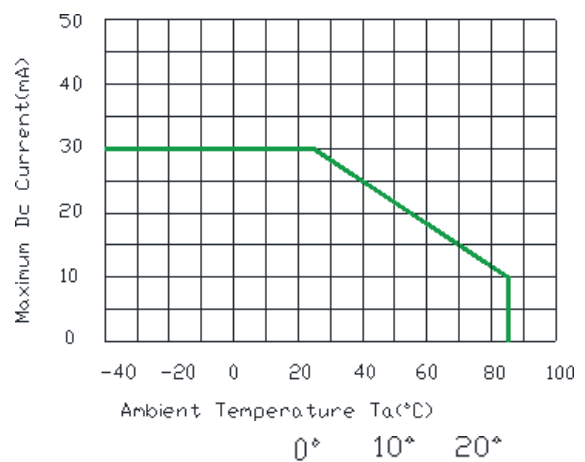
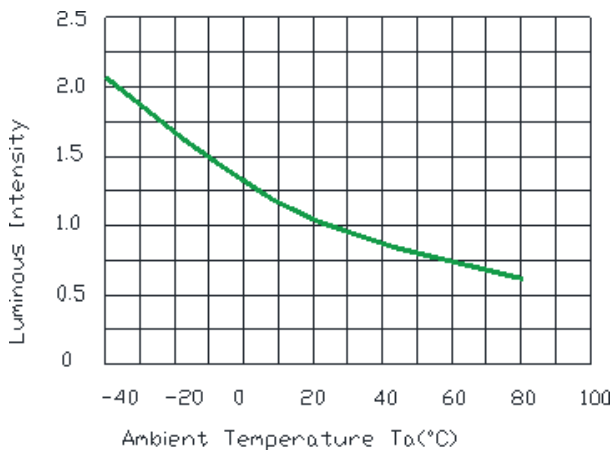
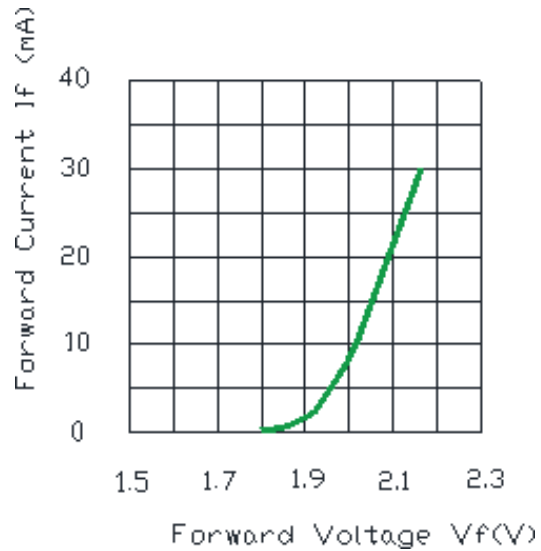
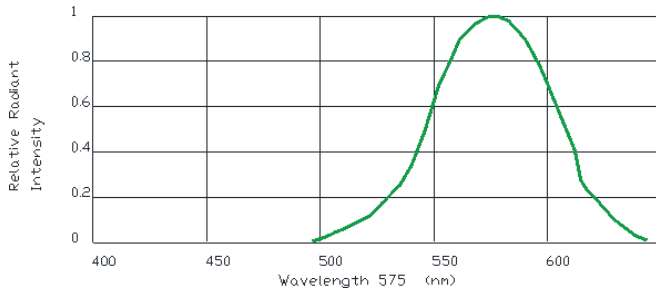
**Ultra Yellow**



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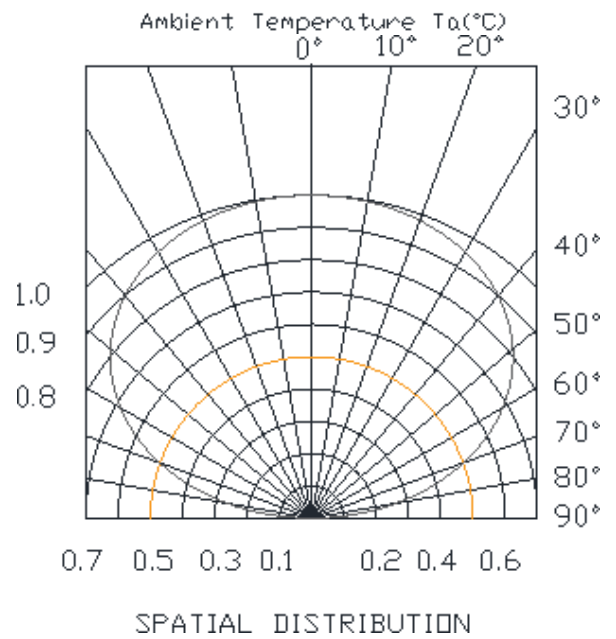
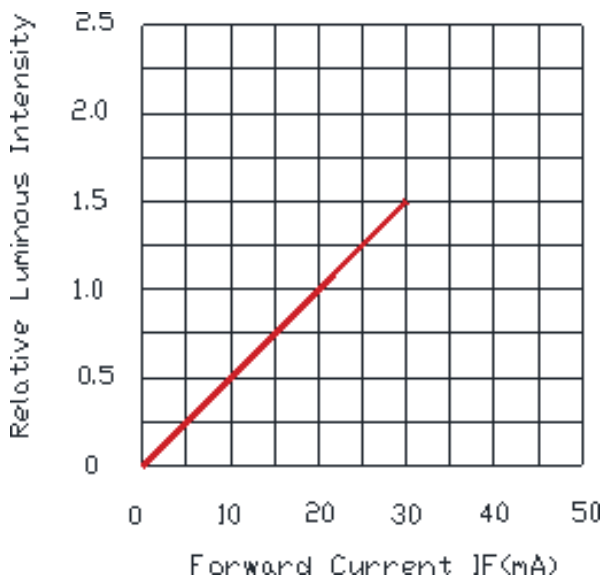
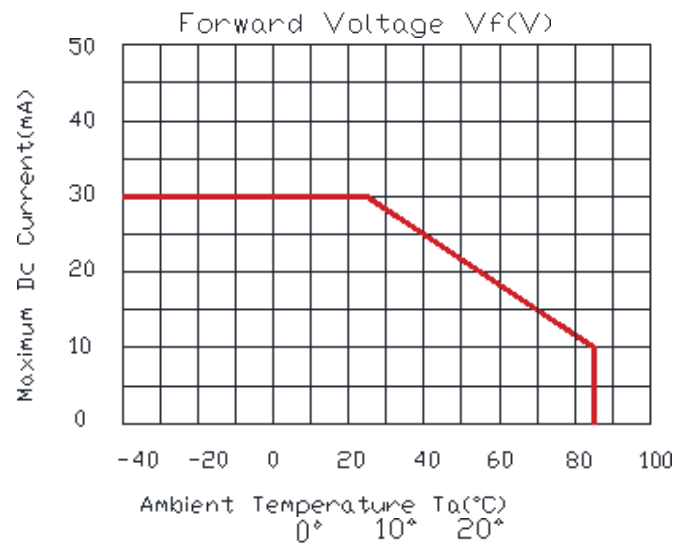
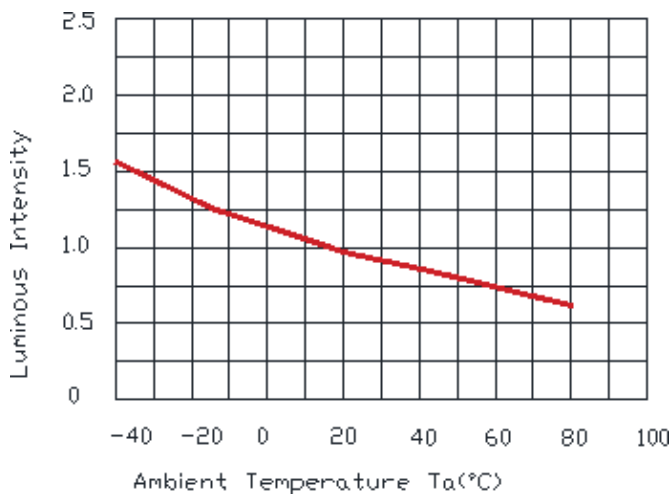
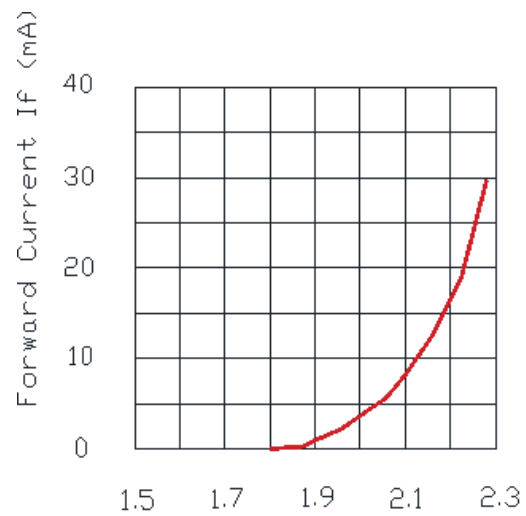
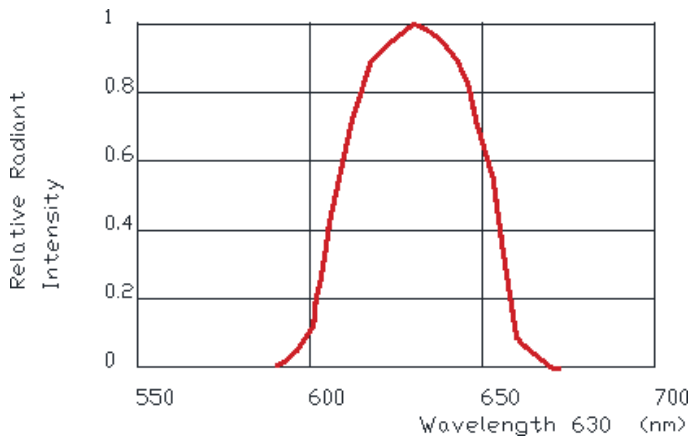
**Ultra Green**



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**Ultra Red**





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■ **Packing and weighting**

