

Part NO: LLR519URUG-B60C

Common Cathode 5mm Ultra Red Green Round LED Lamp

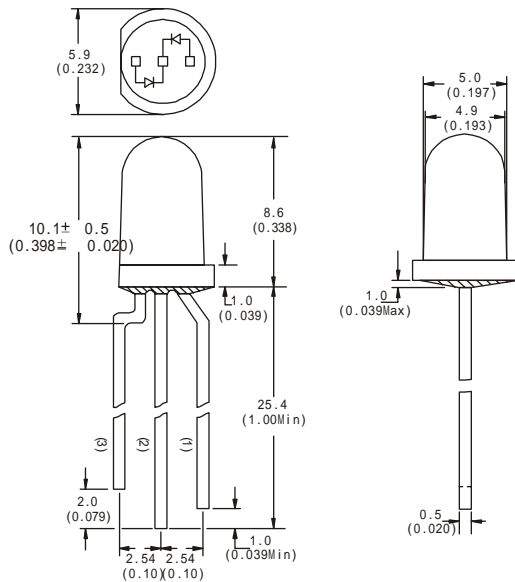
Features:

- Bi-color
- High bright output
- Large view angle
- Low power consumption
- High reliability and long life

Descriptions:

- Dice material: AlGaInP
- Emitting Color: Red/Green
- Device Outline: 5mm Round Type
- Lens type: White Diffused

Package Dimensions: LLR519URUG-B60C



	GREEN	RED ORANGE YELLOW
PIN1	ANODE	
PIN2	CATHODE	CATHODE
PIN3		ANODE

Notes:

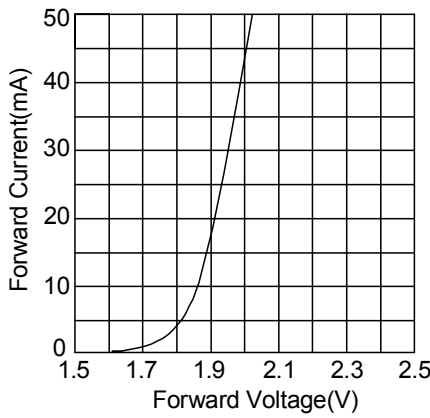
- All dimension units are millimeters.
- All dimension tolerance is ± 0.15 mm unless otherwise noted.

Selection Guide

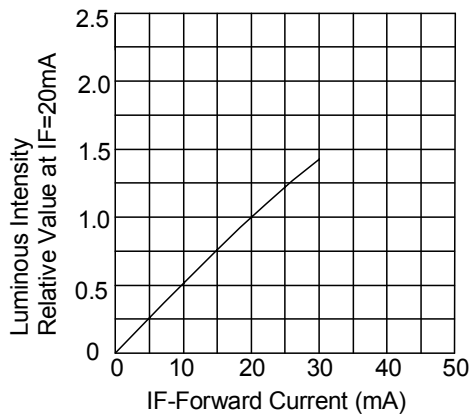
Chip		Lens	Absolute Maximum Ratings				Electro-optical Data (At 20Ma)			Viewing Angle $2\theta_{1/2}$ (deg)
Material/Emitted Color	Peak Wave Length λ_P (nm)		(nm)	Pd (mw)	I_F (mA)	Peak (mA)	V_F (V)		I_v (mcd)	
							Typ	Max	Typ	
Ultra Red (AlGaInP)	630	White diffused	17	65	30	150	1.95	2.5	180	60
Ultra Green (AlGaInP)	574		30	75	30	150	2.1	2.5	120	

Typical Electrical-Optical Characteristics Curves: Ultra Red

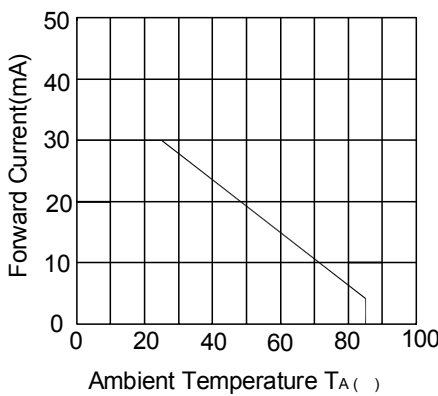
Forward Current Vs Forward Voltage



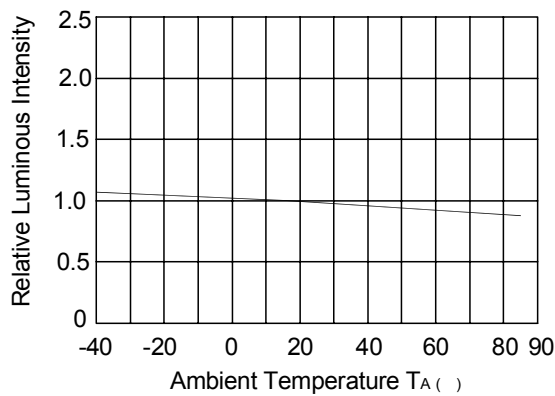
Relative Intensity Vs Forward Current



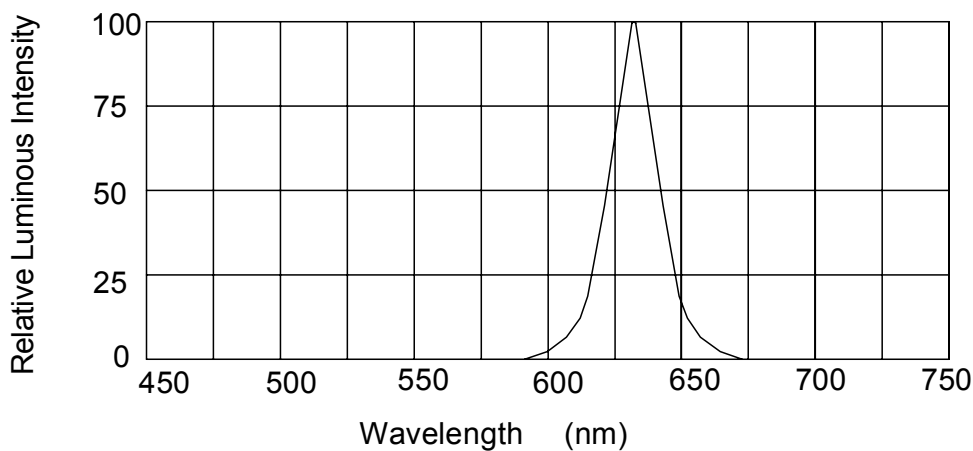
Forward Current Vs Environmental Temp



Relative Intensity Vs Environmental Temp

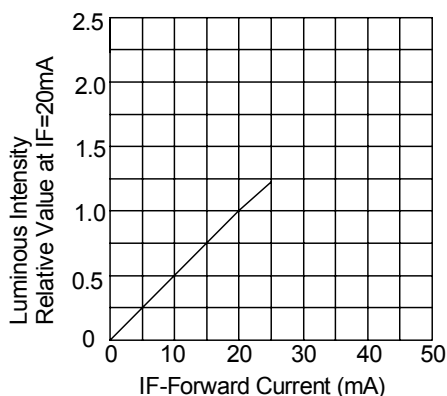
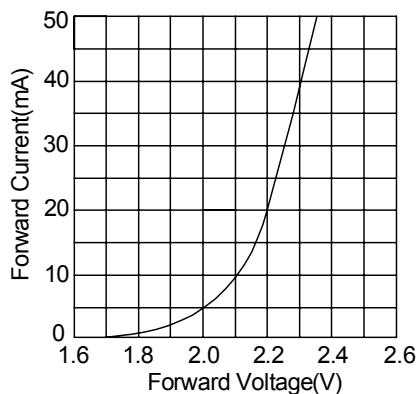


Relative Intensity Vs Wavelength

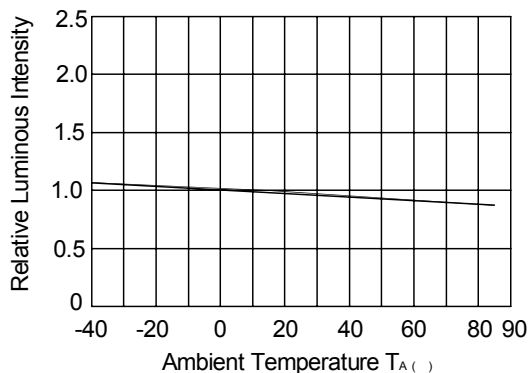
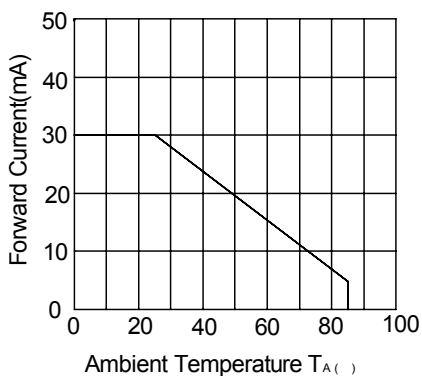


Typical Electrical-Optical Characteristics Curves: Ultra Green

Forward Current Vs Forward Voltage Relative Intensity Vs Forward Current



Forward Current Vs Environmental Temp Relative Intensity Vs Environmental Temp



Relative Intensity Vs Wavelength

