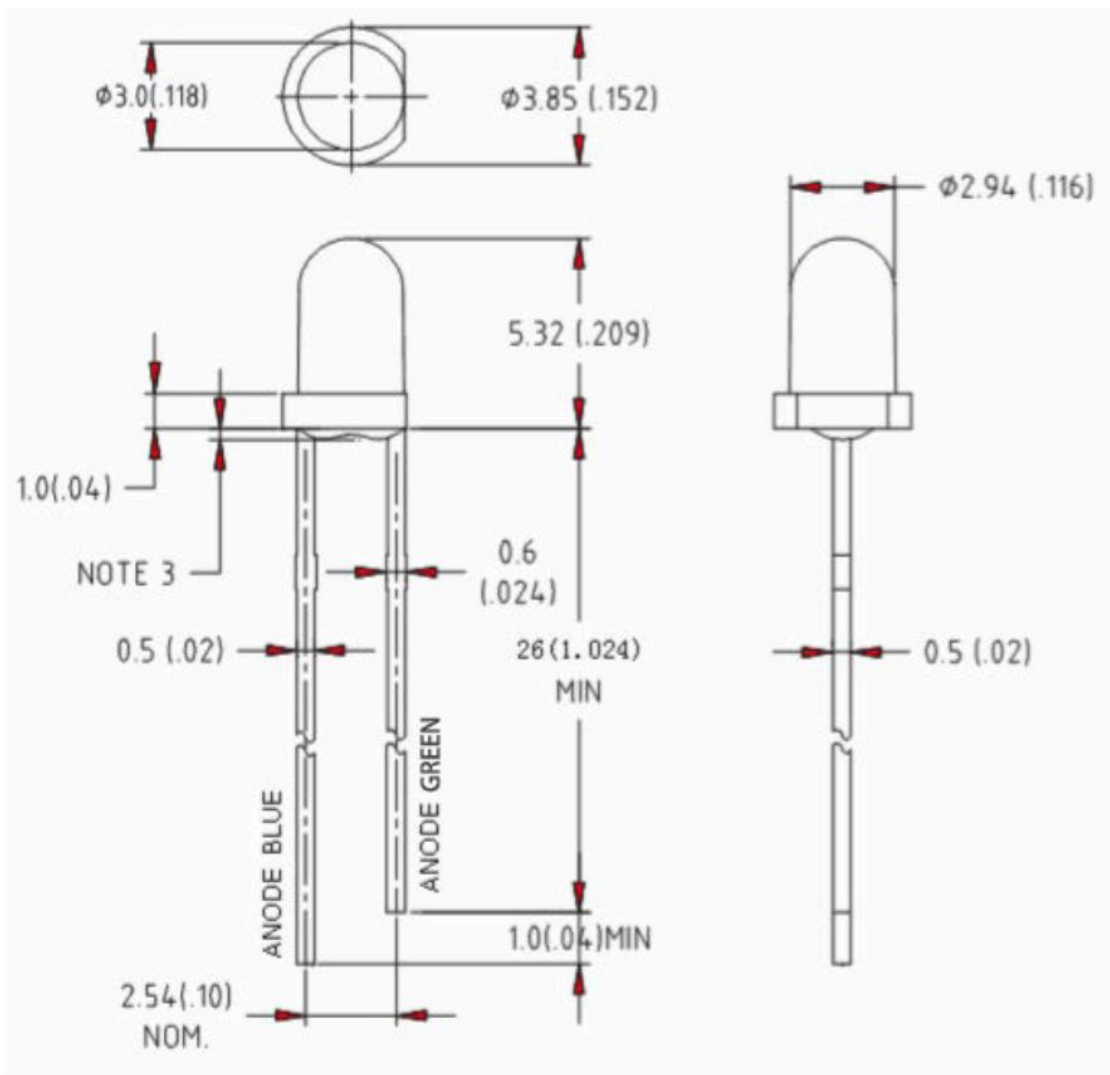


Package Dimension:



Part No	Chip Material	Lens Color	Source Color
SE-LED311830-G/BC77	(B) InGaN	Water Clear	Blue
	(YG) GaP		Yellow Green

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.00 mm (.039") max.
4. Specifications are subject to change without notice.

Absolute Maximum Ratings at Ta=25°C

Parameters	Symbol	Max.	Unit
Power Dissipation	Blue	95	mW
	Yellow Green	75	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFP	120	mA
Blue Chip Forward Current	IF	30	mA
Yellow Green Chip Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Operating Temperature Rang	Topr	-40°C to + 85°C	
Storage Temperature	Tstg	-40°C to + 100°C	
Lead Soldering Temperature [4mm (.157") From Body]	Tsld	260°C for 5 Seconds	

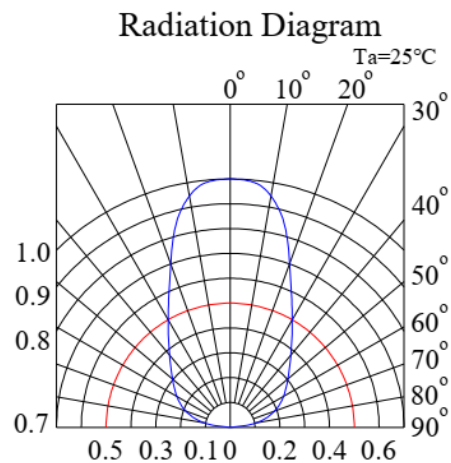
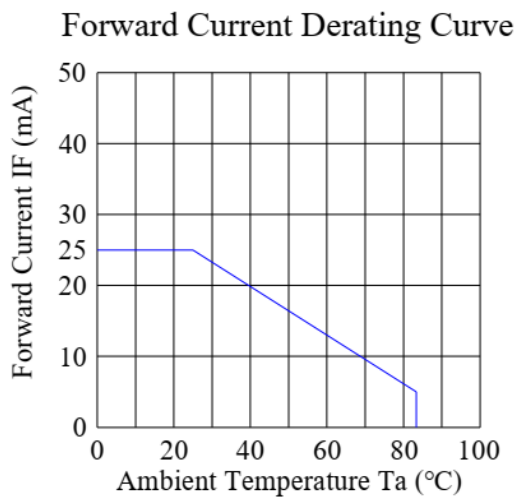
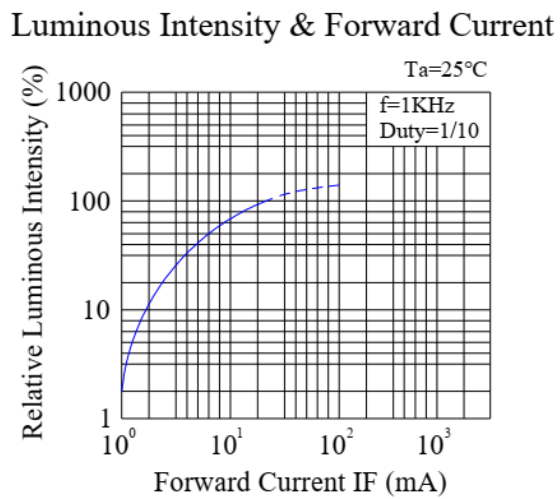
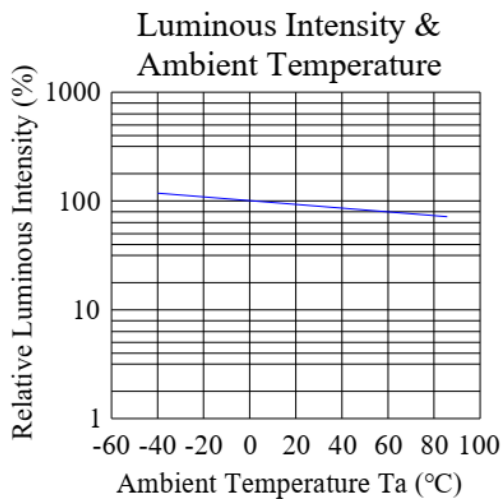
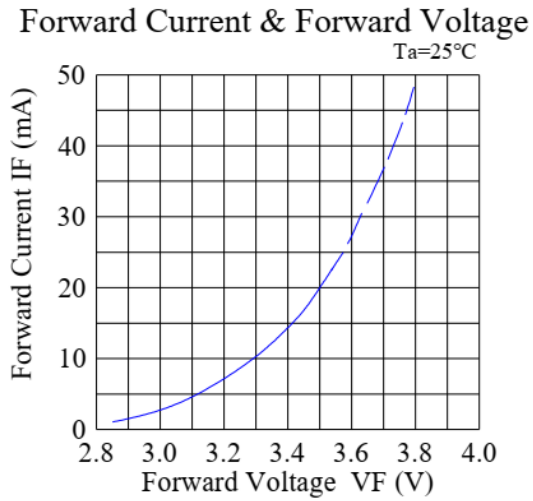
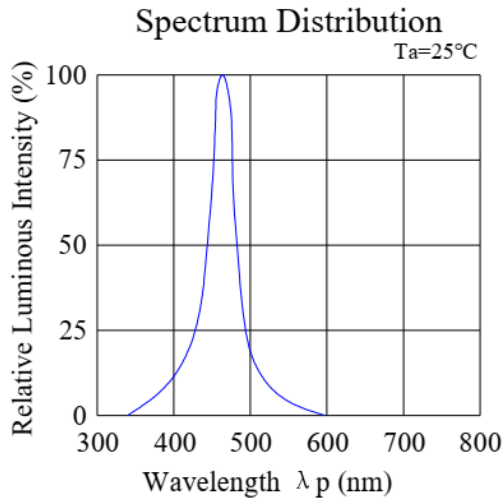
Parameters	Symbol	Emitting Color	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	Blue	1000	1800	--	mcd	IF=20mA
		Yellow Green	50	100	--		
Viewing Angle	2θ1/2	Blue	--	30	--	deg	
		Yellow Green	--	30	--		
Peak Emission Wavelength	λp	Blue	--	465	--	nm	IF=20mA
		Yellow Green	--	570	--		
Dominant Wavelength	λd	Blue	--	470	--	nm	IF=20mA
		Yellow Green	--	573	--		
Spectral Line Half-Width	Δλ	Blue	--	22	--	nm	IF=20mA
		Yellow Green	--	15	--		
Forward Voltage	VF	Blue	2.80	3.20	3.80	V	IF=20mA
		Yellow Green	1.80	2.20	2.80		
Reverse Current	IR	Blue	--	--	10	μA	VR=5V
		Yellow Green	--	--			

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

Typical Electrical / Optical Characteristics Curves
(25°C Ambient Temperature Unless Otherwise Noted)

Blue:



Yellow Green:

