

SMD LED LAMP, Multi Color Type
BL-LS1615A0E3
Features:

- 1.6mmx1.5mm SMD, 0.55mm THICKNESS
- RGB-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 (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λ _p (nm)		Typ	Max	Min.	Typ.	
					Ultra Red	AlGaAs	645	2.10	
BL-LS1615A0E3RGBC	Ultra Pure Green	InGaN	525	Water Clear	3.10	4.20	50	150	130
	Blue	InGaN	470		3.10	4.20	50	100	

■ Absolute maximum ratings (Ta=25°C)

Parameter	UR	PG	UB	Unit
Forward Current I _F	30	30	30	mA
Power Dissipation P _d	78	78	78	mW
Reverse Voltage V _R	5	5	5	V
Peak Forward Current I _{PF} (Duty 1/10 @1KHZ)	100	100	100	mA
Operation Temperature T _{OPR}	-30 to +80			°C
Storage Temperature T _{STG}	-40 to +85			°C
Lead Soldering Temperature T _{SOL}	Max.260±5°C for 3 sec Max. (1.6mm from the base of the epoxy bulb)			°C

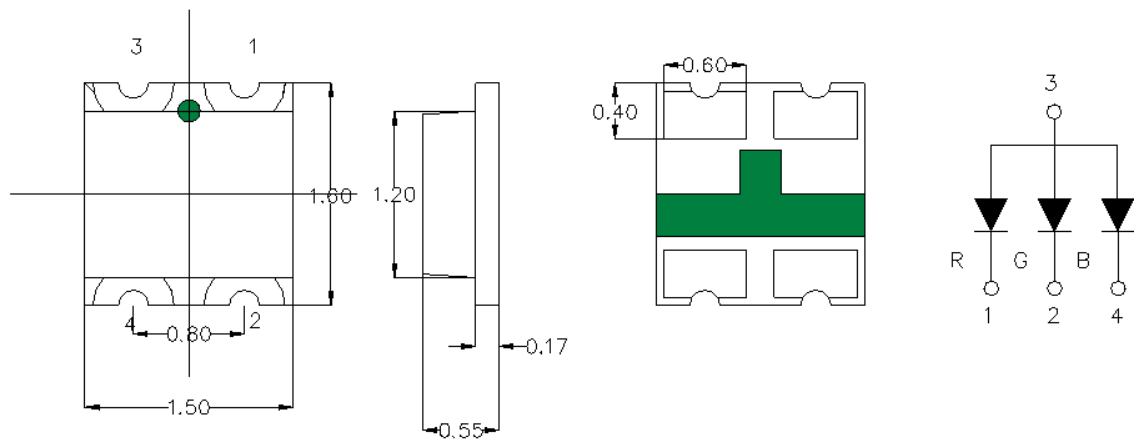
SMD LED LAMP, Multi Color Type

BL-LS1615A0E3

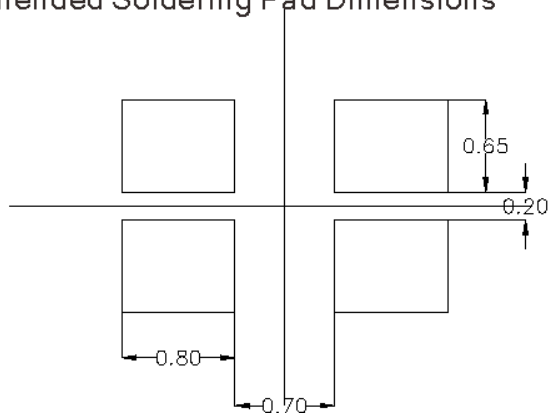
■ **Package configuration & Internal circuit diagram**

BL-LS1615A0E3 Series

Package Outline Drawing



Recommended Soldering Pad Dimensions



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.

SMD LED LAMP, Multi Color Type

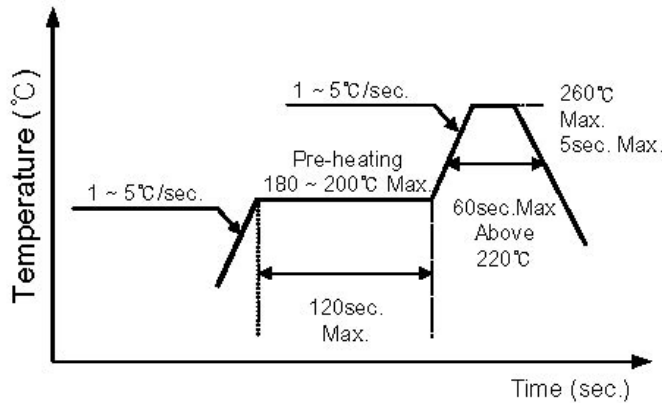
BL-LS1615A0E3

■ **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**



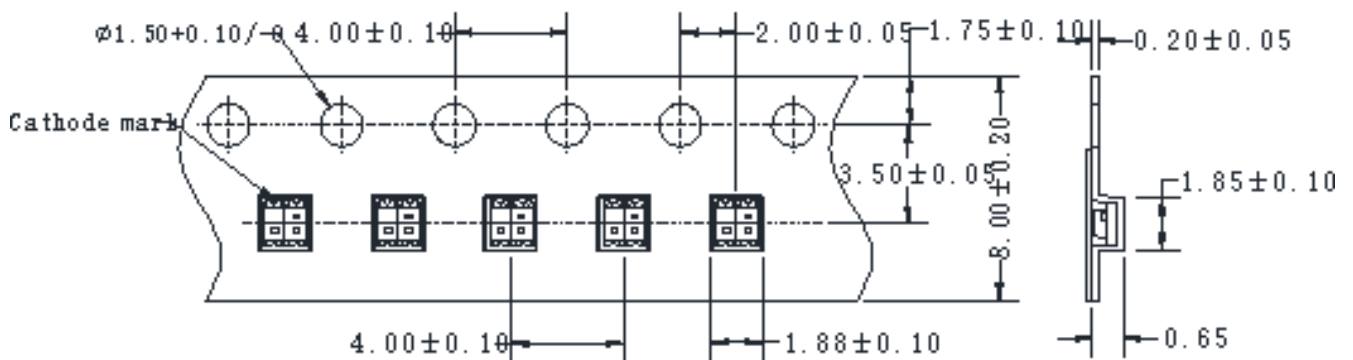
■ **Tape Specifications**

(Units:mm)

Tape Specifications

Unit : mm

Tolerance : ±0.1

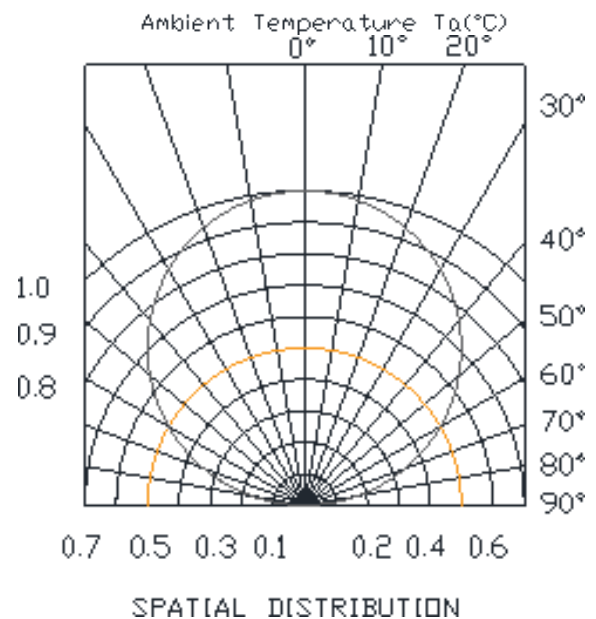
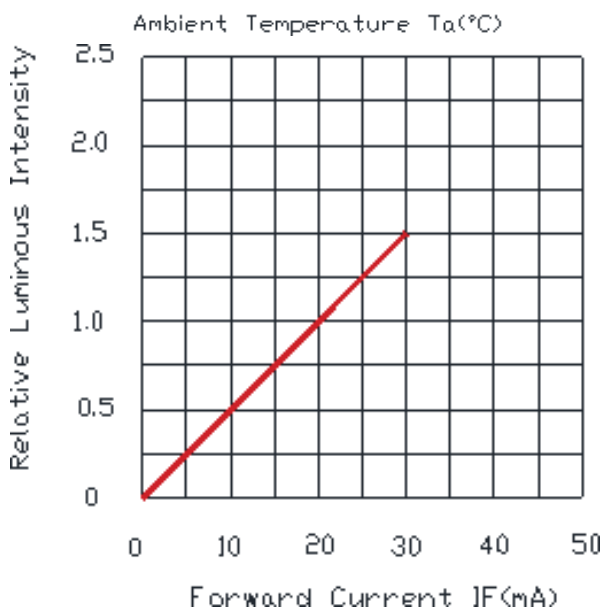
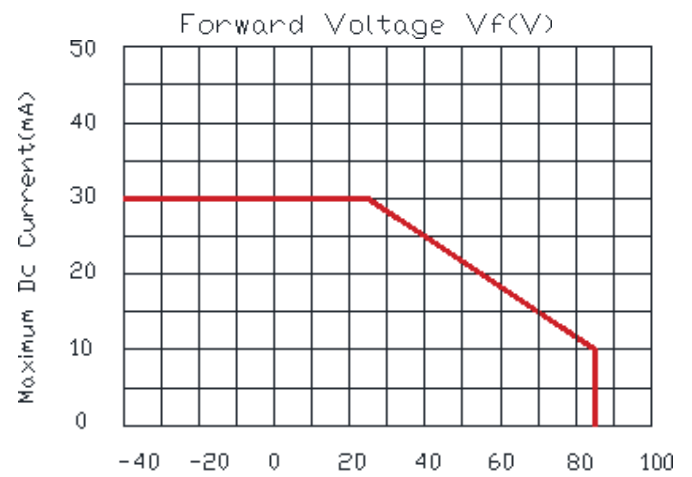
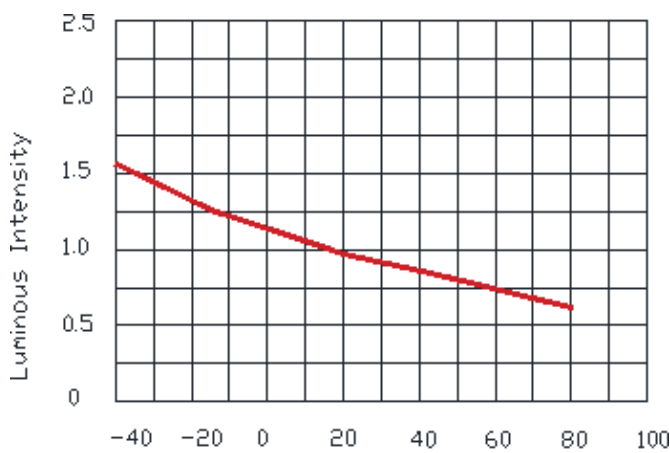
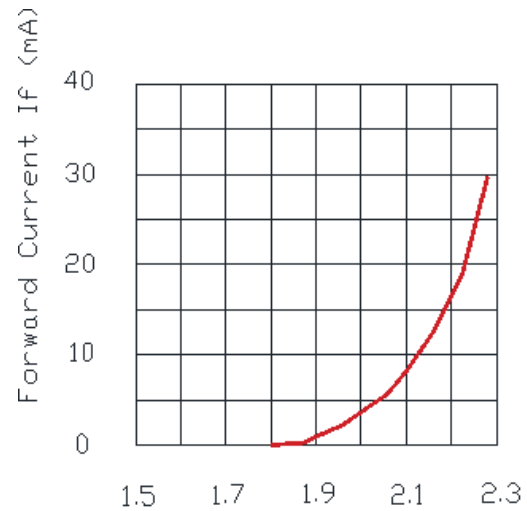
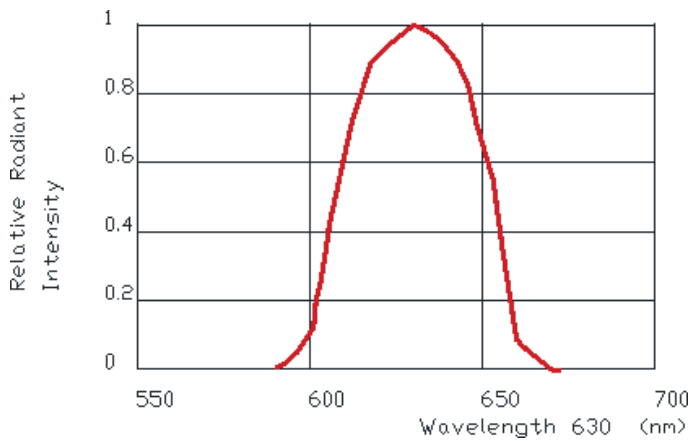


SMD LED LAMP, Multi Color Type

BL-LS1615A0E3

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

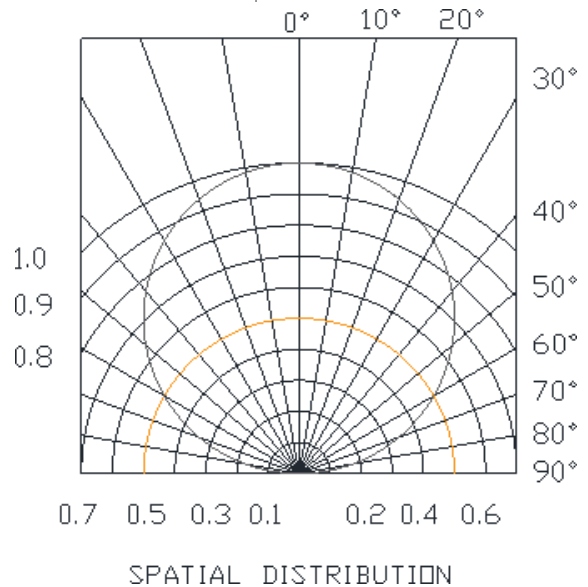
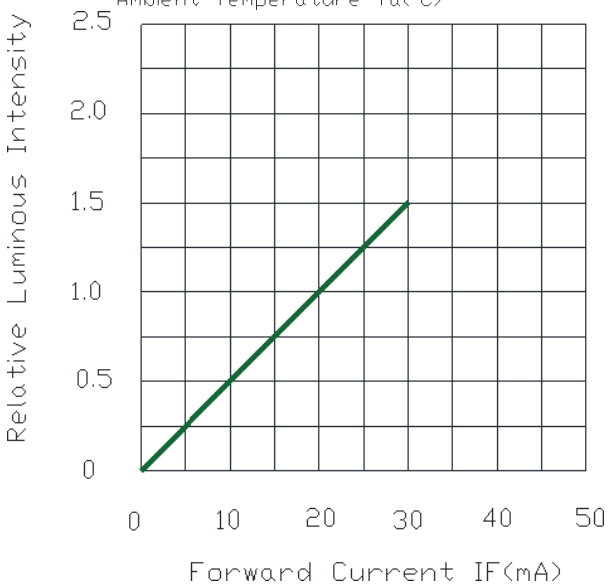
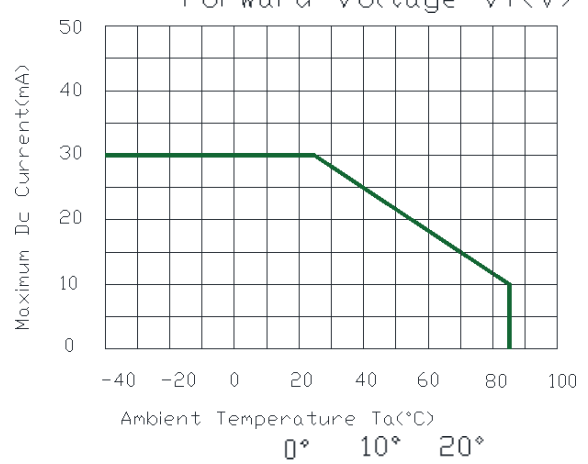
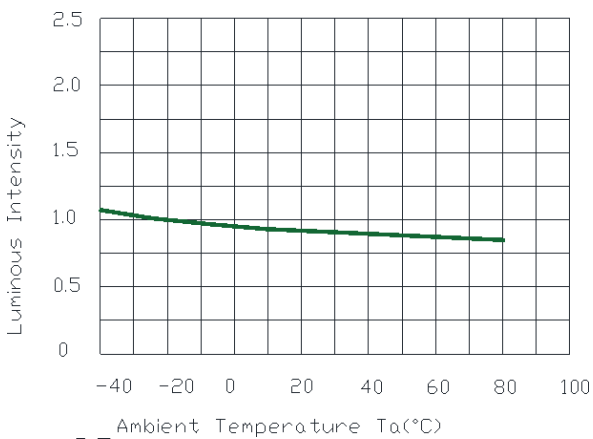
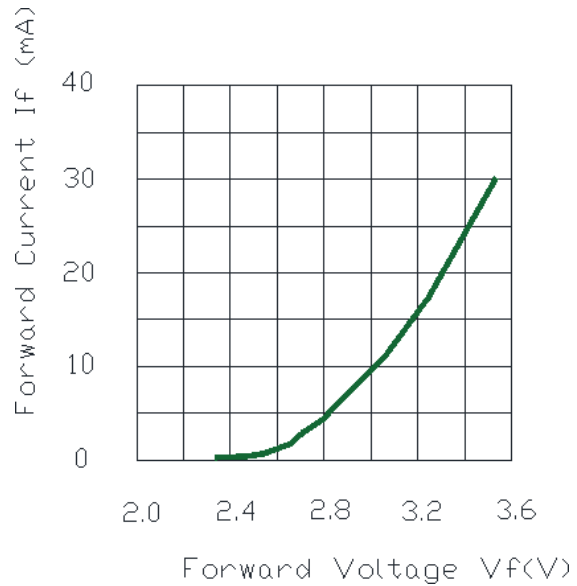
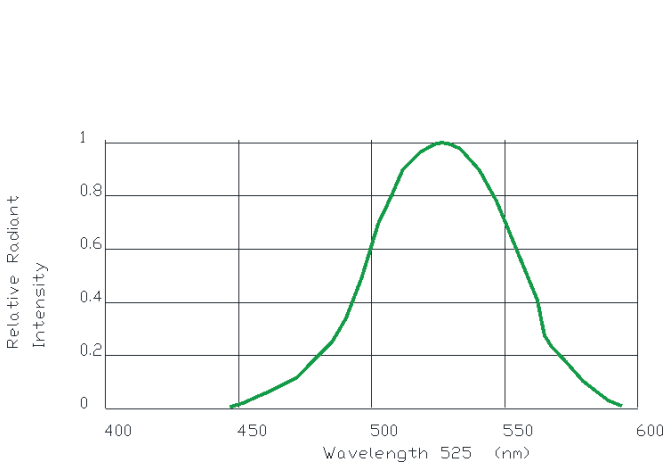
Red:



SMD LED LAMP, Multi Color Type

BL-LS1615A0E3

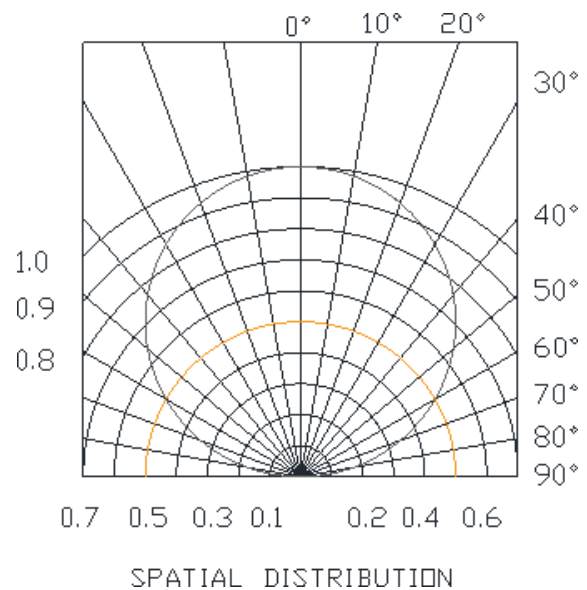
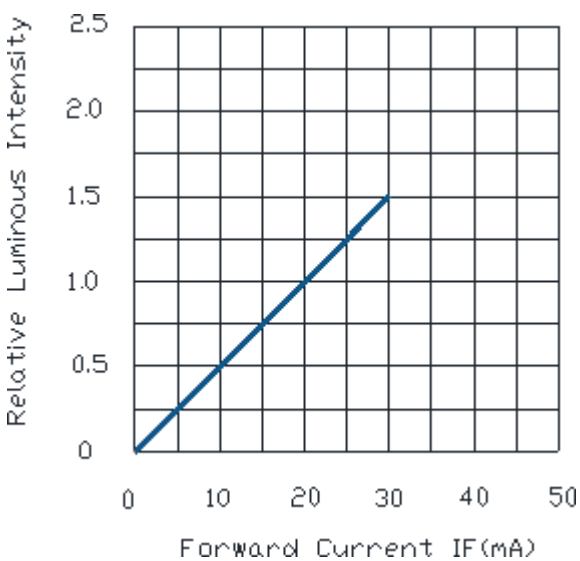
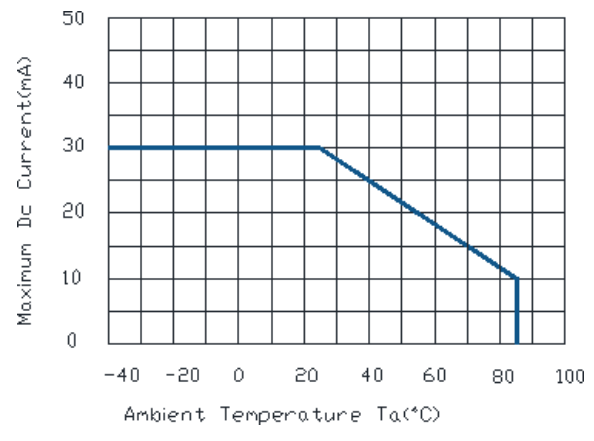
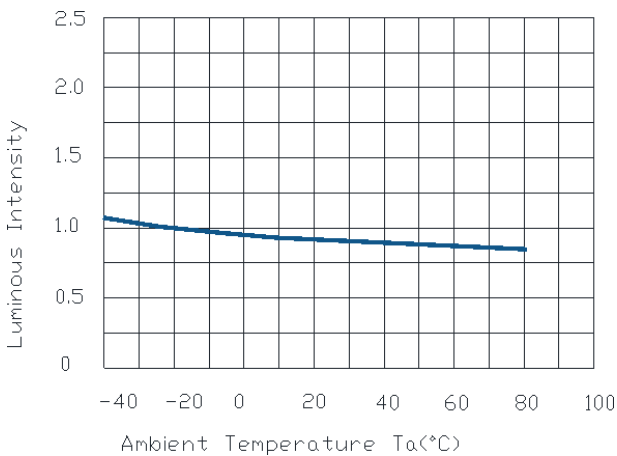
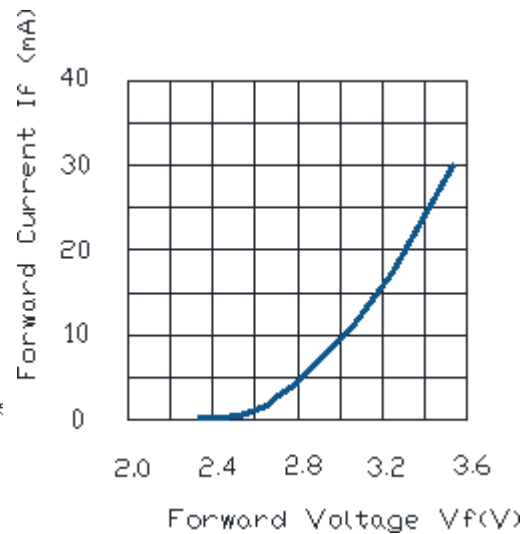
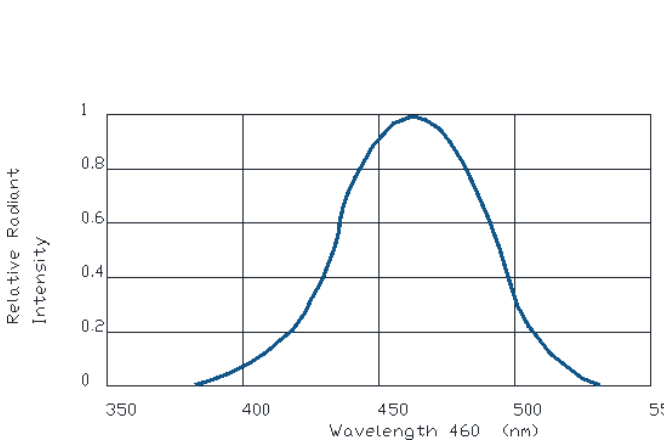
Green:



SMD LED LAMP, Multi Color Type

BL-LS1615A0E3

Blue:



SMD LED LAMP, Multi Color Type

BL-LS1615A0E3

■ **Packing and weighting**

