

## L470V-66-16100

### Epoxy Lens Type Blue Color Illuminator

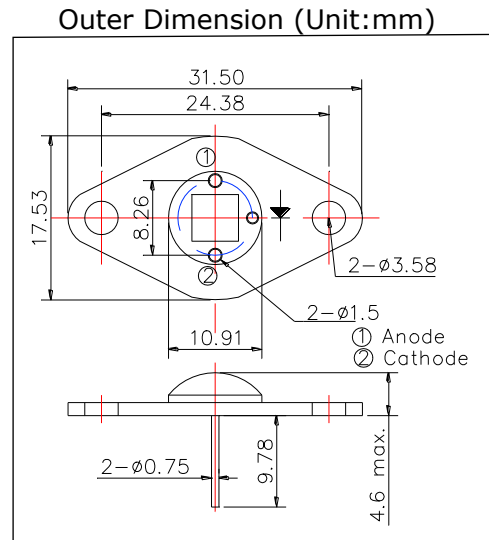
L470V-66-16100 is composed of 1mmx1mm high current drive InGaN die by 16pcs and mounted on a metal stem TO-66 and covered with silicone resin. It is designed for extremely high output power illuminator assembled.

**<Features>**

- High Current Use
- High Reliability
- High Output Power at 470nm

**<Specifications>**

1. Product Name: Blue Color Illuminator
2. Type Number: L470V-66-16100
3. Chip:
  - Chip material: InGaN
  - Dimension: 1mmx1mm
  - Peak Wavelength: 470nm typ.
4. Package
  - Type: TO-66 Stem
  - Lens: Silicone Resin



Absolute Maximum Ratings[Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	30	W
Forward Current	IF	2	A
Reverse Voltage	VR	30	V
Operating Temperature	TOPR	-40 ~ +110	°C
Storage Temperature	TSTG	-40 ~ +110	°C
Soldering Temperature*	TSOL	265	°C

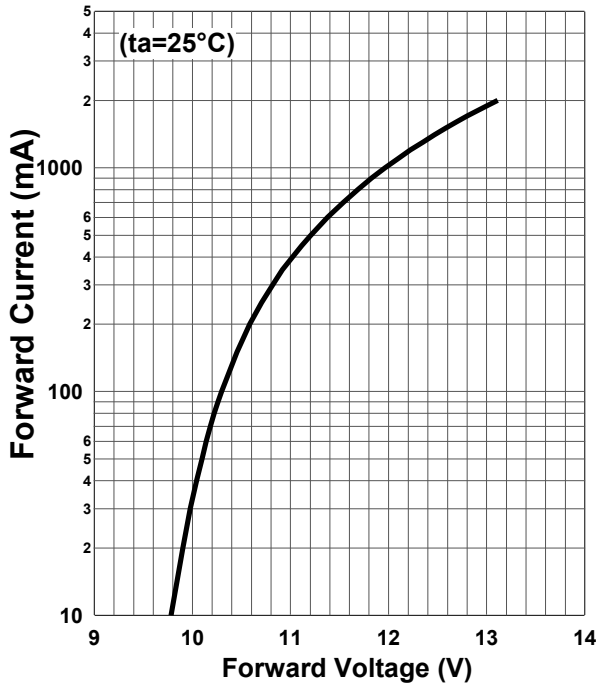
\* Soldering condition must be completed within 3 second at 265 °C.

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V <sub>F</sub>	IF=2A		13.6		V
Luminous Flux	Φ <sub>V</sub>	IF=2A		210		lm
Radiated Power*	PO	IF=2A		3.5		W
Peak Wavelength	λ <sub>P</sub>	IF=2A		470	380	nm
Half Width	Δλ	IF=2A		22		nm
Viewing Half Angle	θ <sub>1/2</sub>	IF=100mA		±63		deg

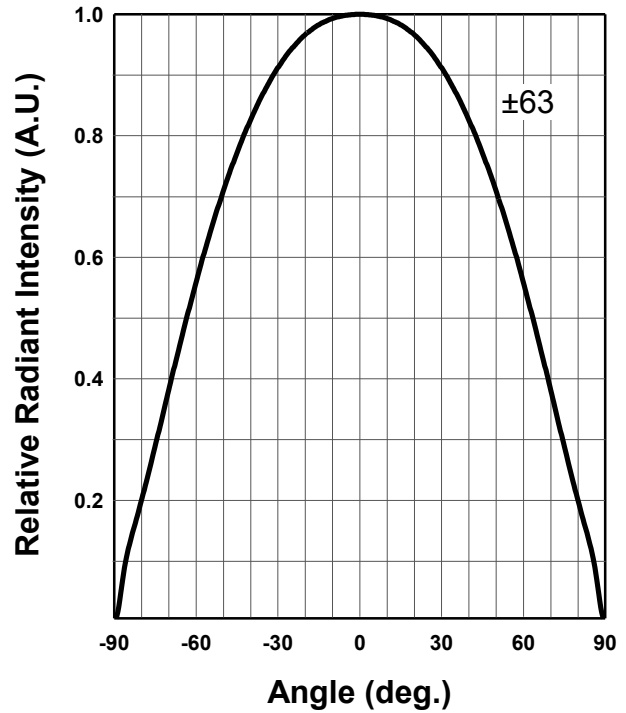
\* Measured by S3584-08



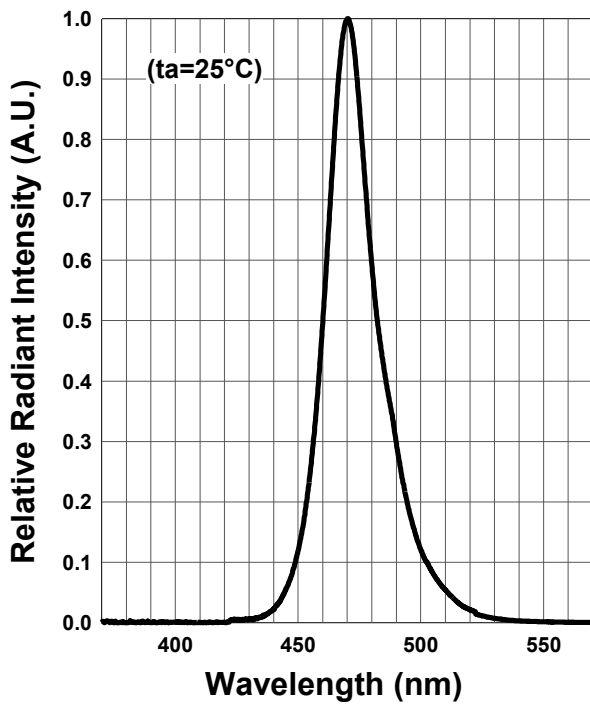
**Forward Current - Forward Voltage**



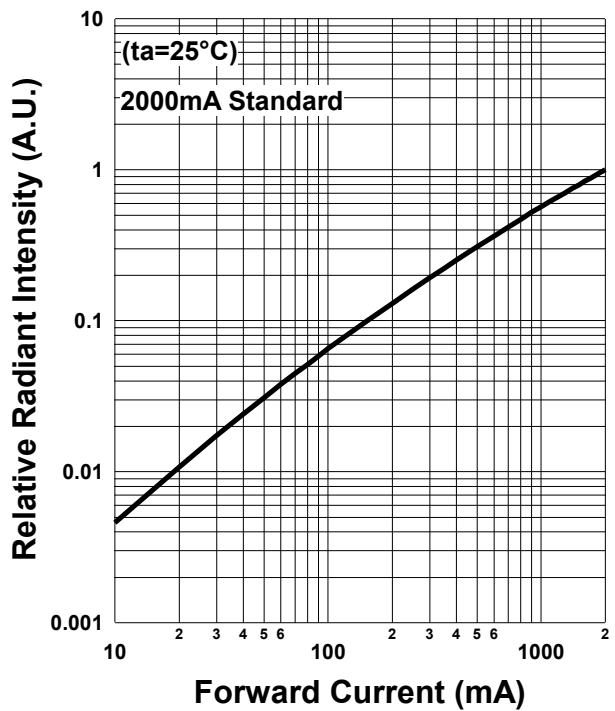
**Radiation Characteristics**



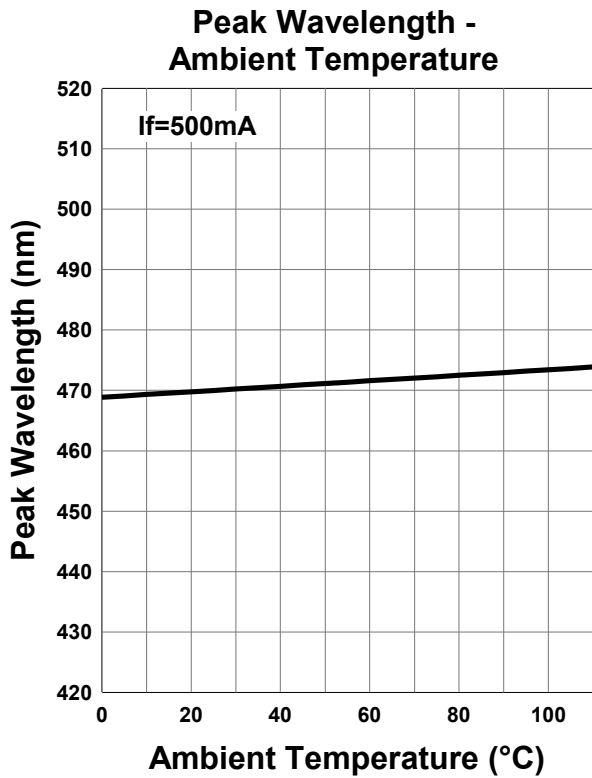
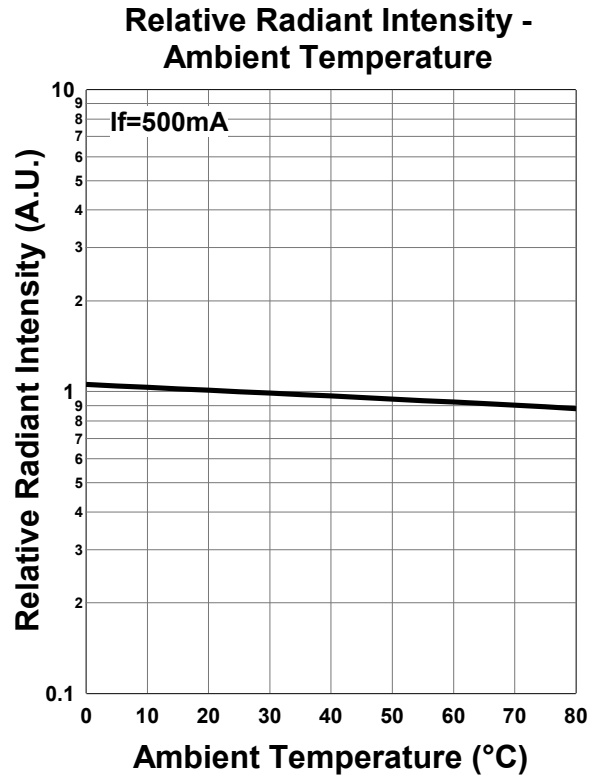
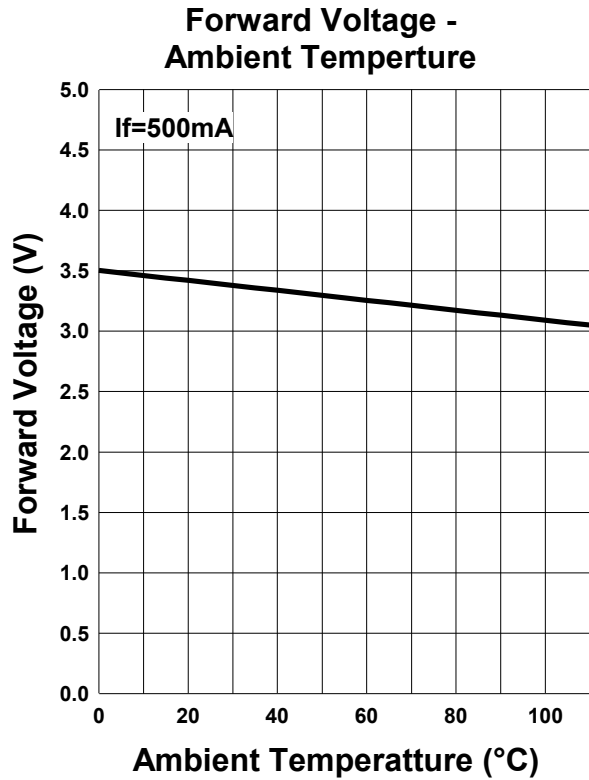
**Relative Spectral Emission**



**Relative Radiant Intensity - Forward Current**



\*The data below shows the characteristics of one representative TO-66 chip.



**Disclaimer**

Product specifications and data shown in this product catalog are subject to change without notice for the purposes of improving product performance, reliability, design, or otherwise.

Product data and parameters in this catalog are typical values based on reasonably up-to-date measurements. Product data and parameters may vary by user application and over time.

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