

L395V-66-16100-110

Flat Lens Type UV Light Illuminator

L395V-66-16100-110 is composed of 1.0mmx1.0mm high current drive InGaN die by 16pcs and mounted on a metal stem TO-66 and covered with flat glass cap. It is designed for extremely high output power illuminator assembled.

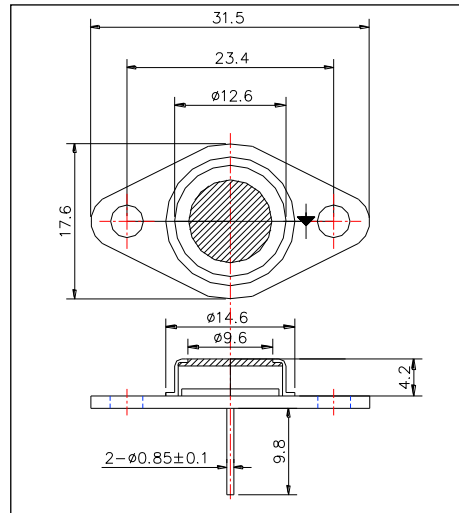
<Features>

- High Current Use
- High Reliability
- High Output Power at 395nm

<Specifications>

1. Product Name: UV Light Illuminator
2. Type Number: L395V-66-16100-110
3. Chip:
 - Chip material: InGaN
 - Dimension: 1mmx1mm
 - Peak Wavelength: 395nm typ.
4. Package
 - Type: TO-66 Stem
 - Lens: Flat Glass Cap

Outer Dimension (Unit:mm)



Absolute Maximum Ratings [Ta=25°C]			
Item	Symbol	Value	Unit
Power Dissipation	PD	32	W
Forward Current	IF	2	A
Reverse Voltage	VR	20	V
Operating Temperature	TOPR	-30 ~ +80	°C
Storage Temperature	TSTG	-30 ~ +100	°C
Soldering Temperature*	TSOL	265	°C

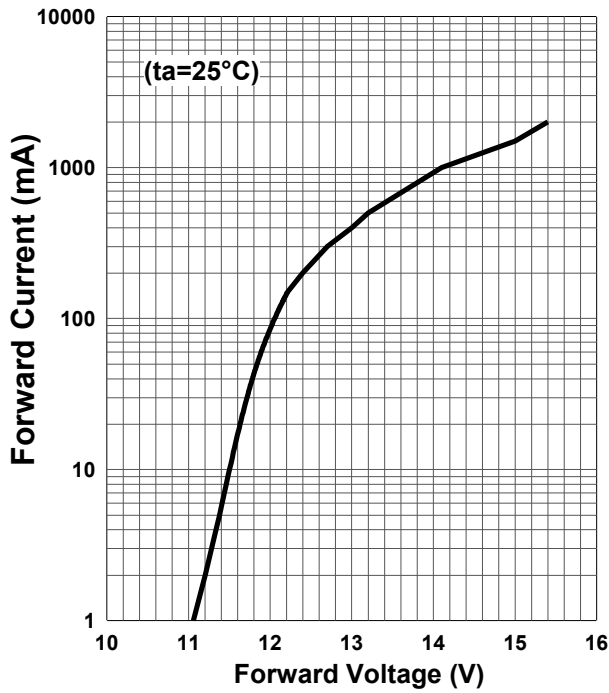
* Soldering condition must be completed within 3 second at 265 °C.

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=2A		15.5		V
Radiated Power*	PO	IF=2A		8000		mW
Peak Wavelength	λP	IF=2A	385	395	405	nm
Half Width	$\Delta\lambda$	IF=2A		12		nm
Viewing half Angle	$\theta 1/2$	IF=2A		± 55		deg

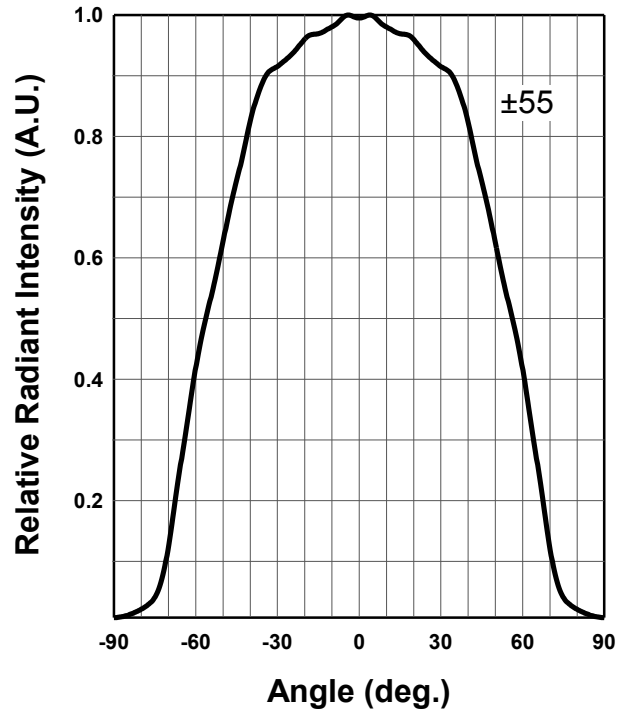
* Measured by S3584-08



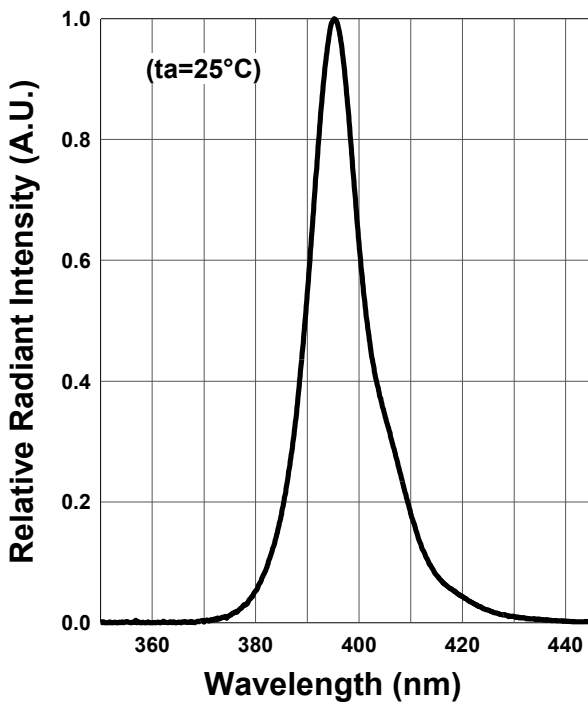
Forward Current - Forward Voltage



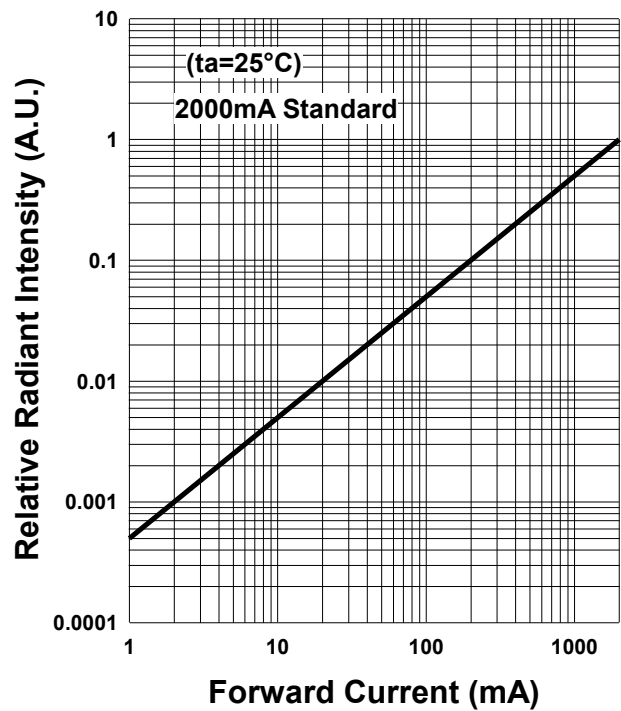
Radiation Characteristics



Relative Spectral Emission

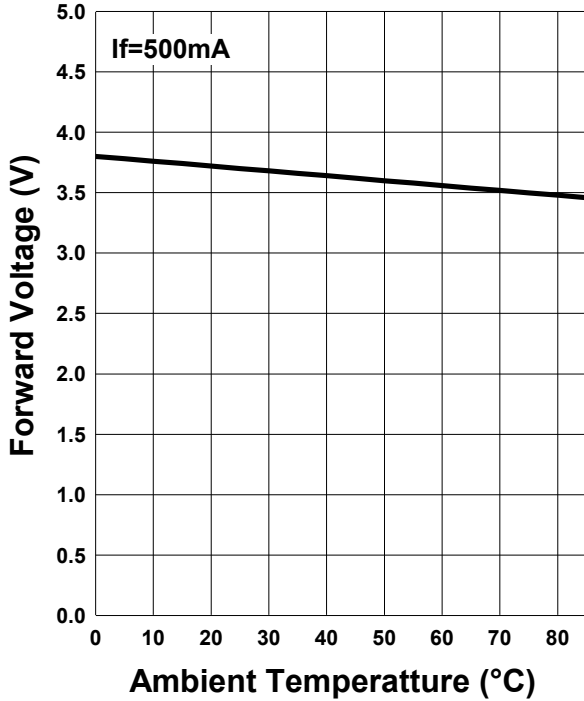


Relative Radiant Intensity - Forward Current

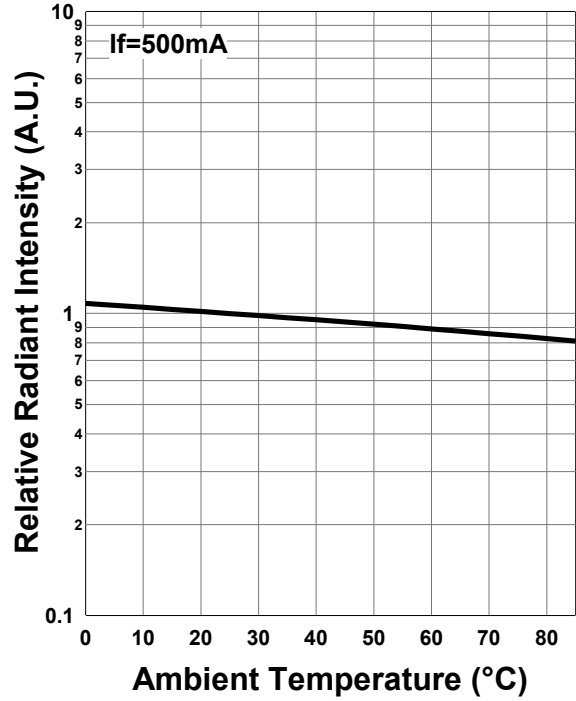


*The data below shows the characteristics of one representative TO-66 chip.

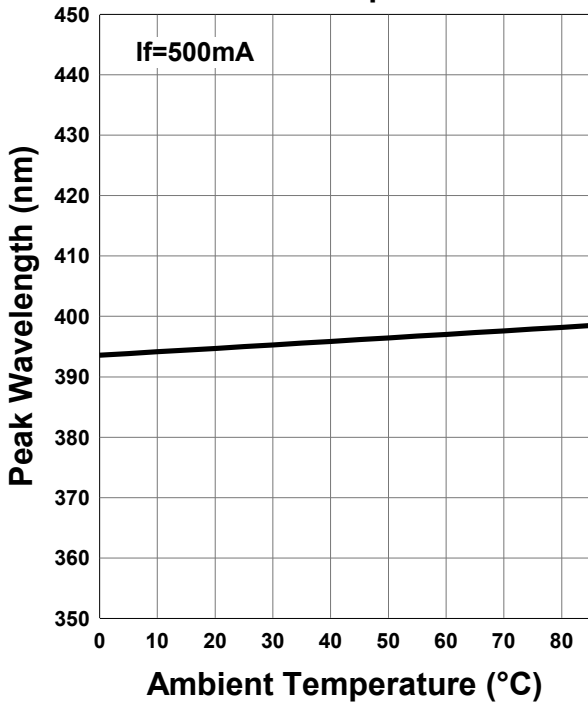
Forward Voltage - Ambient Temperature



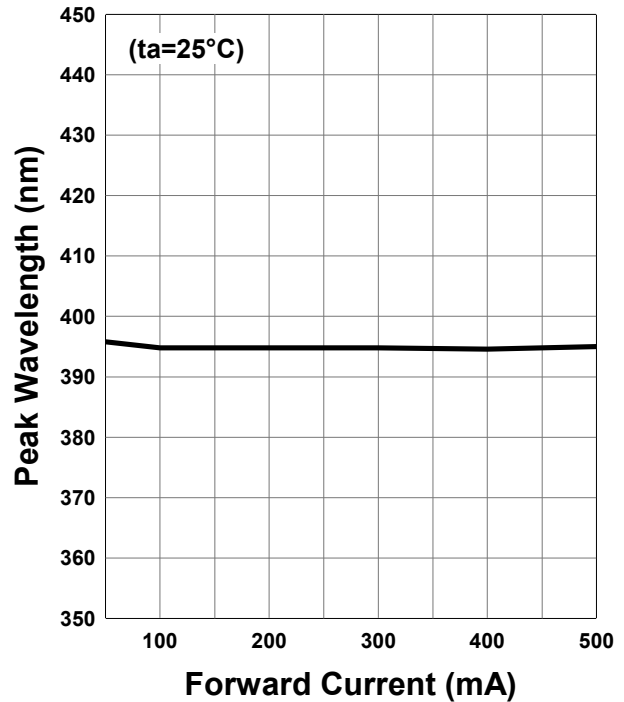
Relative Radiant Intensity - Ambient Temperature



Peak Wavelength - Ambient Temperature



Peak Wavelength - Forward Current



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.

Products shown in this catalog are intended to be used for general electronic equipment. Products are not guaranteed for applications where product malfunction or failure may cause personal injury or death, including but not limited to life-supporting / saving devices, medical devices, safety devices, airplanes, aerospace equipment, automobiles, traffic control systems, and nuclear reactor control systems.

2012.12