

## L470-66-16100 epoxy lens type BLUE color illuminator

L470-66-1610 is a wide viewing and extremely high bright and output power illuminator for high current high efficiency InGaN blue color diode chips, mounted on a metal stem TO-66 and covered epoxy resin.

### ◆ Features

- 1) High reliability
- 2) Compact (TO-66) package
- 3) High output power at 470nm

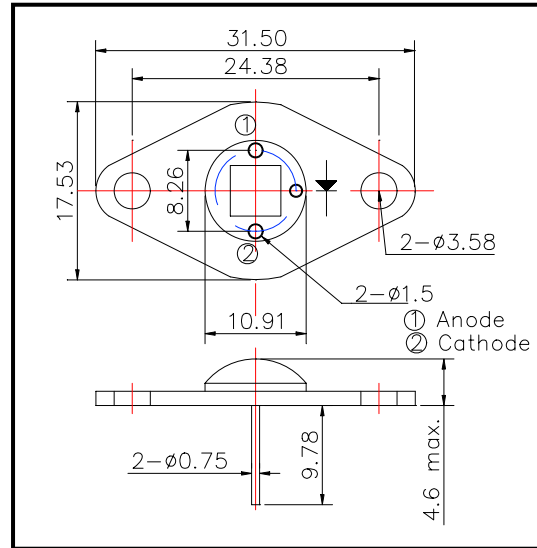
### ◆ Applications

- 1) For high intensity lighting source

### ◆ Specifications

- |                     |                               |
|---------------------|-------------------------------|
| 1) Product name     | Blue color illuminator        |
| 2) Spec. No.        | L470-66-16100                 |
| 3) Chip             |                               |
| (1) Material        | InGaN                         |
| (2) Peak wavelength | 470nm                         |
| 4) Package          |                               |
| (1) Stem            | TO-66 stem with AlN           |
| (2) Lens            | Clear silicone and epoxy lens |

### ◆ Outer dimension (Unit: mm)



### ◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	8.5	W	Ta=25°C
Forward Current	IF	1600	mA	Ta=25°C
Pulse Forward Current	IFP	2000	mA	Ta=25°C
Reverse Voltage	VR	30	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +80	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature	TSOL	265	°C	

‡Pulse Forward Current condition: Duty=1% and Pulse Width=1us.

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

### ◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=1.2A		14.0		V
Brightness	IV	IF=1.2A		-		Lumen
Total Radiated Power	PO	IF=1.2A		420		mW
Reverse Current	VR	IR=10uA	20			V
Peak Wavelength	λP	IF=1.2A		465		nm
Half Width	Δλ	IF=1.2A		20		nm
Viewing Half Angle	θ 1/2	IF=1.2A		±55		deg.

‡Total Radiated Power is measured by S3584-08

‡LED is required to keep less than 60°C.