

LW47-66-16100 High Current White Illuminator

LW47-66-16100 is a wide viewing and extremely high bright and output power illuminator assembled with a total of 16 high current InGaN blue color diode chips, mounted on a metal stem TO-66 and covered silicone resin.

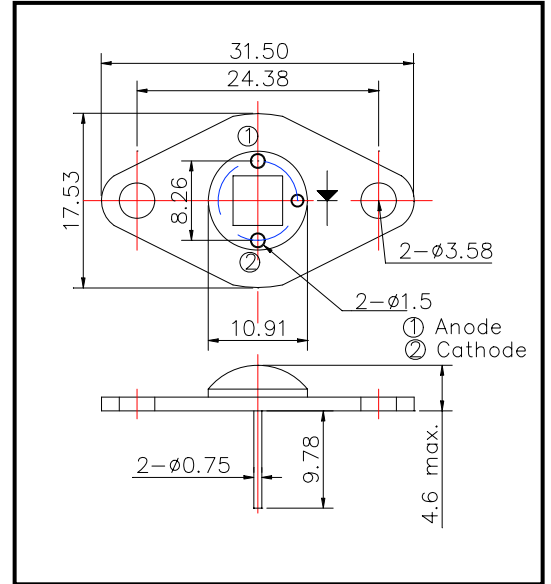
◆ Features

- 1) High Brightness
- 2) Compact (TO-66) package

◆ Specifications

- 1) Product name High current White Illuminator
- 2) Spec. No. LW47-66-16100
- 3) Chip
 - (1) Material InGaN
 - (2) Peak wavelength White Color
- 4) Package
 - (1) Stem TO-66 stem
 - (2) Lens Silicone Resin

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	28	W	T _a =25°C
Forward Current	I _F	2000	mA	T _a =25°C
Pulse Forward Current	I _{FP}	3000	mA	T _a =25°C
Reverse Voltage	V _R	20	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +80	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	240	°C	

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

‡ Soldering condition : Soldering condition must be completed within 3 seconds at 260°C

◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =1.2A		13		V
Brightness	I _v	I _F =1.2A		-		cd
Luminous Flux	Φ _v	I _F =1.2A		80		lm
Peak Wavelength	λ _P	I _F =600mA		*1		nm
Half Width	Δλ	I _F =400mA		-		nm
Viewing Half Angle	θ _{1/2}	I _F =400mA		±55		deg.

‡ *1 x: 3.25±0.25E-01, y: 3.25±0.25E-01

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