

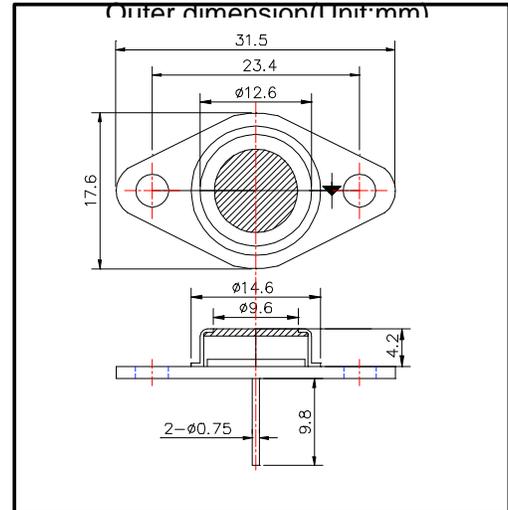
LEDW47-66-60-110

Flat Lens Type White Color Light Illuminator

LEDW47-66-60-110 is a wide viewing and extremely high bright and output power illuminator assembled with a total of 60 high efficiency InGaN blue color diode chips, mounted on a metal stem TO-66 and covered with Flat Glass Cap.

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

- Specifications
- 1) Product Name White Color Light Illuminator
 - 2) Spec. No. LW47-66-60-110
 - 3) Chip
 - (1) Material InGaN
 - (2) Peak wavelength White Color
 - 4) Package
 - (1) Stem TO-66 stem
 - (2) Lens Flat Glass cap



Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	8.5	W	T _a =25°C
Forward Current	I _F	400	mA	T _a =25°C
Pulse Forward Current	I _{FP}	2000	mA	T _a =25°C
Reverse Voltage	V _R	30	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 =240mA		19.0		V
Brightness	I _V	I _F =240mA		13		cd
Total Radiated Power	P _O	I _F =240mA		60		mW
Radiant Intensity	I _E	I _F =240mA		35		mW/sr
Reverse Current	V _R	I _R =10uA	50			V
Peak Wavelength	I _P	I _F =240mA		*1		nm
Half Width	DI	I _F =240mA		-		nm
Viewing Half Angle	Q _{1/2}	I _F =240mA		±55		deg.

*1 x: 2.3±0.3E-01, y: 2.2±0.3E-01

‡ Heat sink is required thermal resistance <8K/W