

L385-66-60-110 Flat Lens Type UV Light Illuminator

L385-66-60-110 is a wide viewing and extremely high output power illuminator assembled with a total of 60 high efficiency InGaN UV diode chips, mounted on a metal stem TO-66 and covered with Flat Glass Cap.

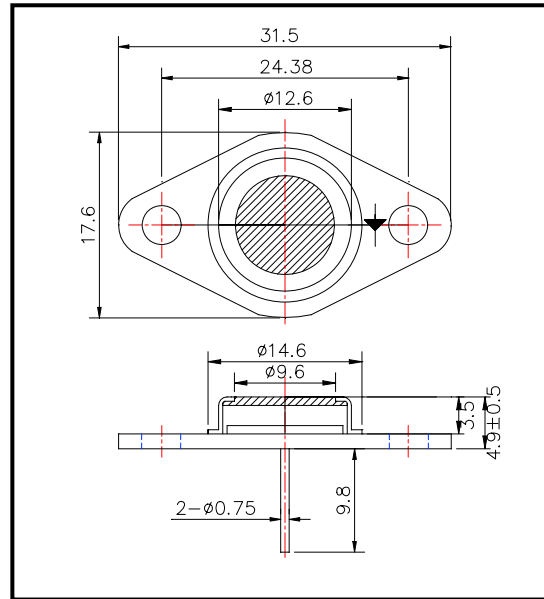
◆ Features

- 1) High reliability
- 2) Compact (TO-66) package
- 3) High output power at 385nm

◆ Specifications

- | | |
|---------------------|----------------------|
| 1) Product name | UV Light Illuminator |
| 2) Spec. No. | L385-66-60-110 |
| 3) Chip | |
| (1) Material | InGaN |
| (2) Peak wavelength | 385nm |
| 4) Package | |
| (1) Stem | TO-66 stem |
| (2) Lens | Flat Glass cap |

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	5.0	W	T _a =25°C
Forward Current	I _F	300	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	

‡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	V _F	I _F =240mA		17.0		V
Brightness	I _v	I _F =240mA		-		mcd
Total Radiated Power	P _o	I _F =240mA		140		mW
Radiant Intensity	I _E	I _F =240mA		-		mW/sr
Peak Wavelength	λ_P	I _F =240mA	(380)	385	(390)	nm
Half Width	$\Delta\lambda$	I _F =240mA		17		nm
Viewing Half Angle	$\theta_{1/2}$	I _F =240mA		±55		deg.

‡Total Radiated Power is measured by S3584-08

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