

## L470/590/630-30C32

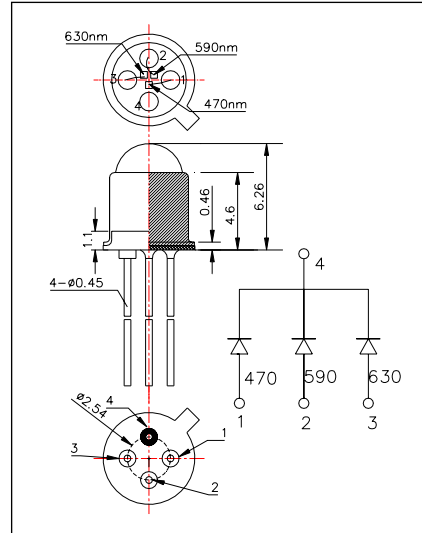
### Multi-Wavelength LED

This product consists of InGaN(470nm) and InGaAsP(590,630nm) LED mounted on TO-18 4pins type stem with a glass ball lens. Each of chips is connected as cathode common.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L470/590/630-30C32
3. Chip:
  - Chip material: InGaP, InGaAlP
  - Peak Wavelength: 470,595,635nm
4. Package:
  - Stem: TO-18, 4pins type
  - Lens: Φ5mm Spherical Glass

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]					
Item	Symbol	Maximum Rated Value			Unit
		470	590	630	
Power Dissipation	PD	120	130	140	mW
Forward Current	IF	30	40	50	mA
Reverse Voltage	VR	5			V
Operating Temperature	TOPR	-20 ~ +80			°C
Storage Temperature	TSTG	-30 ~ +100			°C
Soldering Temperature*	TSOL	240			°C

\* Soldering condition must be completed within 3 seconds at 240°C and it is allowed in the area apart 3mm from the bottom of the lamp.

Electro-Optical Characteristics [Ta=25°C]												
Item	Symbol	Condition	Minimum			Typical			Maximum			Unit
			470	590	630	470	590	630	470	590	630	
Forward Voltage	VF	IF=20mA				3.80	2.10	2.20	7.30	2.40	2.60	V
Reverse Current	IR	VR=5V							10			uA
T. Radiated Power*	PO	IF=20mA	0.30	0.40	1.50	0.50	0.80	3.00				mW
Peak Wavelength	λP	IF=20mA	460	585	625	470	595	635	480	605	645	nm
Half Width	Δλ	IF=20mA				25	15	15				nm

\* Measured by Photodyne #500

