

# Kingbright®

## T-1 3/4 (5mm) SOLID STATE LAMP

L54PWC

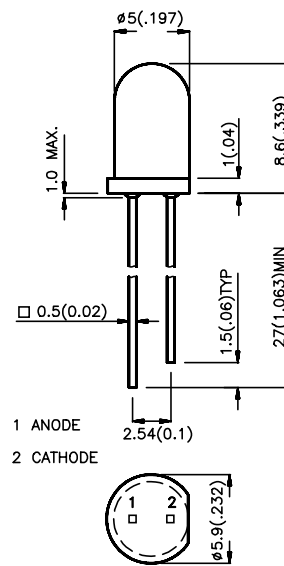
### Features

- HIGH EFFICIENCY.
- WHITE EMISSION,HIGH LUMINOUS INTENSITY.

### Description

The source color devices are made with InGaN on SiC Light Emitting Diode.

### Package Dimensions



#### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.1(0.004)$  unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subjected to change without notice.

### Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2 $\theta$ 1/2
L54PWC	WHITE (InGaN)	WATER CLEAR	500	850	20°

#### Note:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

**Electrical / Optical Characteristics at T<sub>A</sub>=25°C**

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
V <sub>F</sub>	Forward Voltage	White	3.6	4.0	V	IF=20mA
I <sub>R</sub>	Reverse Current	White	10		uA	VR = 5V
X	Chromaticity Coordinates	White	0.31			
Y			0.32			

**Absolute Maximum Ratings at T<sub>A</sub>=25°C**

Parameter	WHITE	Units
DC Forward Current	30	mA
Peak Forward Current [1]	100	mA
Reverse Voltage	5	V
Operating Temperature	-30 °C To + 85 °C	
Storage Temperature	-40 °C To + 100 °C	
Lead Soldering Temperature [2]	260 °C For 5 Seconds	

Notes:  
1. 1/10 Duty Cycle, 0.1ms Pulse Width.  
2. 4mm below package base.