



**Product Group:** Vishay Semiconductors, Opto

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The information below is also available in PDF format which can be read in Adobe® Acrobat® by clicking on this link: [http://www.vishay.com/marcom/hn/npi/npi\\_tlmw3200.pdf](http://www.vishay.com/marcom/hn/npi/npi_tlmw3200.pdf)

To access the product datasheets on the Vishay Web site, go to:

<http://www.vishay.com/doc?84618> (TLMW320x)

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## High Brightness SMD LED White TLMW32.. PLCC3 The TLMW32.. is the continuation for the new white Product Line

### The News:

The new white Power SMD LED are designed in addition to the Red, Yellow, Yellow-Green and Pure-Green Power SMD-LED Family in the PLCC3 package form.



Product	Color	Iv / mcd @ IF = 20mA	Color Temperature IF = 20mA (typ.)	Angle of Half Intensity
TLMW3200	White	>250 (500 typ)	5500K	60°
TLMW3201	White	>320 (600 typ)	5500K	60°

The TLM . 32.. series is an advanced modification of the Vishay TLM . 33.. Series. These devices have been designed to meet the increasing demand for surface mounting technology. The package of the TLM . 32.. is the P-LCC-3 It consists of a lead frame which is embedded in a white thermoplast. The reflector inside this package is filled up with clear epoxy

### Features:

- SMD LED with exceptional brightness
- Compatible with automatic placement equipment
- Available in 8mm tape reel
- Low profile package
- High reliability lead frame based
- Temperature Range -40°C to +100°C
- Luminous intensity ratio in one packaging unit I Vmax/I Vmin £ 1,75
- ESD class 1
- Suitable for all soldering methods according to CECC
- High efficient InGaN technology
- Component in accordance to ELV EC/2000/53, RoHS EC/2002/95, WEEE EC/2002/96.

## The Key Applications:

- Backlight keypads
- Indicator and backlight for audio and video equipment
- Indicator and backlight for battery driven equipment
- Indicator and backlight in office equipment
- Flat backlight for LCDs, switches and symbols
- Consumer appliances
- Medical instruments
- Illumination purpose, alternative to incandescent lamps

## Availability:

- **Samples: Available,**

- **Production Quantities: Q4 / 2004**

**Lead times: 8 Weeks**

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