



The DNA of tech.®

LEDs for Automotive and Outdoor Applications



Vishay's high performance AEC-Q101 qualified TELUX LEDs are available in the emission colors red and yellow, and two optional viewing angles to provide a high luminous flux.

APPLICATIONS

- Automotive
 - Brake lights
 - Taillights
 - Turn signals
- Outdoors
 - Traffic signals
 - Message panels
 - Warning lights

RESOURCES

- TELUX LED portfolio: www.vishay.com/leds/telux-package/
- Optoelectronics portfolio: www.vishay.com/en/optoelectronics/
- For technical questions: LED@Vishay.com
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





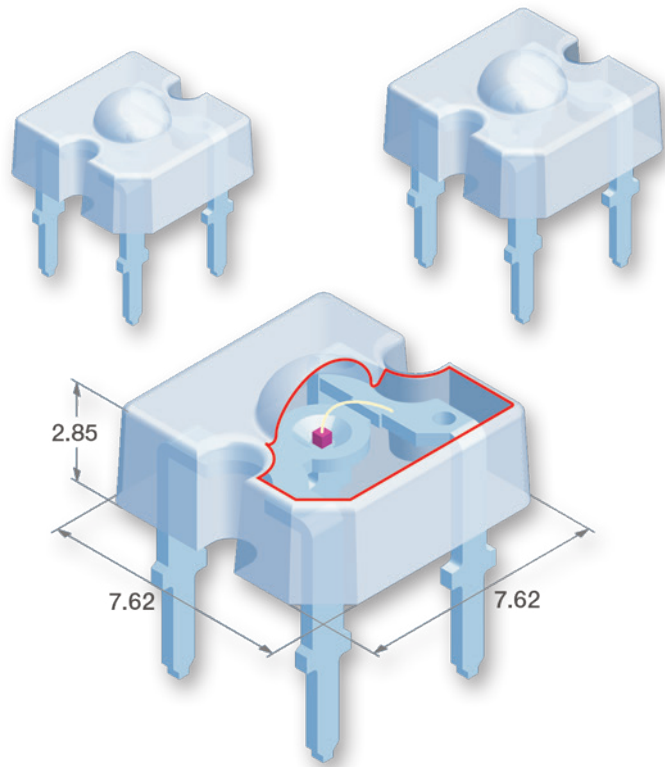
The DNA of tech.®

Vishay's high performance AEC-Q101 qualified TELUX LEDs are available in the emission colors red and yellow, and two optional viewing angles to provide a high luminous flux.

TELUX LEDs are especially designed for rugged applications that require a high luminous intensity. These include automotive applications such as brake lights, taillights, and turn signals, as well as outdoor applications such as traffic signals, message panels, and warning lights.

TELUX LEDs are offered in red and yellow versions, and with a choice of 30° and 45° angles of half intensity.

With their excellent luminous flux performance and extended operating temperature range for AlInGaP from -40 °C to +110 °C, TELUX LEDs are the premier solution for all exterior automotive and outdoor LED applications.





The DNA of tech.®

OPTOELECTRONICS

TELUX LEDS

| TELUX | | | | | | | | | | | | |
|--------------------------|--------|--------------------------------------|--|-----|-----|-----------------------------|------|--------|----------------------------|-----|------|----------------------------------|
| Part Number | Color | Angle of Half Intensity (± °) ϕ | Dominant Wavelength (nm) or Color Coordinate (x/y) | | | Luminous Flux Φ_V (lm) | | | Forward Voltage, V_F (V) | | | I_F (mA) for LD, Φ_V, V_F |
| | | | Min | Typ | Max | Min | Typ | Max | Min | Typ | Max | |
| TLWR7600 | Red | 30 | 611 | 618 | 634 | 1500 | 2800 | | 1.83 | 2.2 | 2.67 | 70 |
| TLWR7900 | Red | 45 | 611 | 618 | 634 | 1500 | 2800 | | 1.83 | 2.2 | 2.67 | 70 |
| TLWR8600 | Red | 30 | 611 | 616 | 634 | 2000 | 3700 | | 1.83 | 2.2 | 2.67 | 70 |
| TLWR8900 | Red | 45 | 611 | 616 | 634 | 2000 | 3700 | | 1.83 | 2.2 | 2.67 | 70 |
| TLWR8901 | Red | 45 | 611 | 616 | 634 | 2000 | 3700 | 4800 | 1.83 | 2.2 | 2.67 | 70 |
| TLWR8902 | Red | 45 | 611 | 616 | 634 | 3000 | 3900 | 4800 | 1.95 | 2.2 | 2.67 | 70 |
| VLWR9632 | Red | 30 | 611 | 616 | 634 | 4000 | | 12 200 | | 2.2 | 3.03 | 70 |
| VLWR9930 | Red | 45 | 611 | 616 | 634 | 4000 | 8500 | 12 200 | 1.83 | 2.2 | 3.03 | 70 |
| VLWR9932 | Red | 45 | 611 | 616 | 634 | 6000 | 9000 | 12 200 | 1.95 | 2.2 | 2.67 | 70 |
| VLWR9933 | Red | 45 | 611 | 616 | 634 | 7000 | 9500 | 12 200 | 1.95 | 2.2 | 2.67 | 70 |
| TLWY7600 | Yellow | 30 | 585 | 592 | 597 | 1000 | 2800 | | 1.83 | 2.1 | 2.67 | 70 |
| TLWY7900 | Yellow | 45 | 585 | 592 | 597 | 1000 | 2800 | | 1.83 | 2.1 | 2.67 | 70 |
| TLWY8600 | Yellow | 30 | 585 | 591 | 597 | 2000 | 3200 | | 1.83 | 2.1 | 2.67 | 70 |
| TLWY8900 | Yellow | 45 | 585 | 591 | 597 | 2000 | 3200 | | 1.83 | 2.1 | 2.67 | 70 |
| VLWY9930 | Yellow | 45 | 585 | 592 | 597 | 4000 | 8500 | 12 200 | 1.83 | 2.2 | 3.03 | 70 |