



VISHAY INTERTECHNOLOGY, INC.

## TELUX™ LEDS

For Automotive and Outdoor Applications





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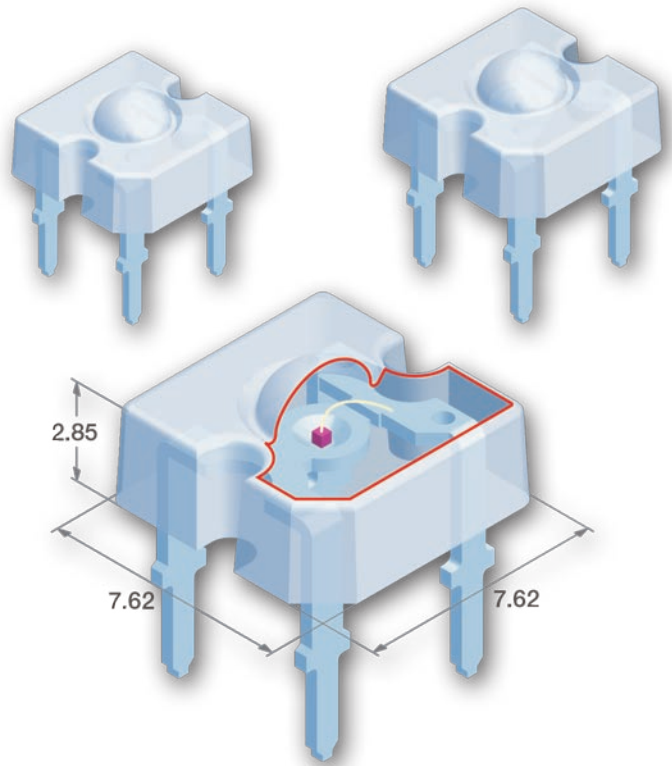
For Automotive and Outdoor Applications

High-performance Vishay TELUX™ LEDs feature a full color range of devices with a wide viewing angle and high luminous flux.

TELUX LEDs are especially designed for rough 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, yellow, true green, blue-green, blue, and white versions, and with a choice of 30°, 45°, and 55° angles of half intensity or oval emission characteristics with 25° x 68° and 40° x 90° angles of half intensity.

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



CHARACTERISTICS							
Type	Color (wavelength) (nm)	$\Phi_v$ (mIm)		$I_F$ (mA)	$V_F$ (V)	$I_F$ (mA)	$\phi$ (degrees)
		Min.	Typ.				
TLWR7600	Red (618)	1500	2100	70	2.2 (< 2.67)	70	$\pm 30$
TLWR7900	Red (618)	1500	2100	70	2.2 (< 2.67)	70	$\pm 45$
TLWR8600	Red (615)	2000	3000	70	2.2 (< 2.67)	70	$\pm 30$
TLWR8900	Red (615)	2000	3000	70	2.2 (< 2.67)	70	$\pm 45$
TLWR9000	Red (615)	2500	3200	70	2.2 (< 2.7)	70	$\pm 55$
VLWR9430	Red (615)	5000	6000	70	2.5 (< 3.03)	70	25 x 68
VLWR9530	Red (615)	5000	6000	70	2.5 (< 3.03)	70	40 x 90
TLWR9600	Red (615)	2500	3200	70	2.2 (< 2.7)	70	$\pm 30$
VLWR9630	Red (615)	4000	7000	70	2.5 (< 3.03)	70	$\pm 30$
VLWR9631	Red (615)	5000	7000	70	2.5 (< 3.03)	70	$\pm 30$
TLWR9900	Red (615)	2500	3200	70	2.2 (< 2.7)	70	$\pm 45$
VLWR9930	Red (615)	4000	7000	70	2.5 (< 3.03)	70	$\pm 45$
TLWO7600	Soft Orange (605)	1500	2100	70	2.2 (< 2.67)	70	$\pm 30$
TLWO7900	Soft Orange (605)	1500	2100	70	2.2 (< 2.67)	70	$\pm 45$
TLWY7600	Yellow (592)	1000	1400	70	2.2 (< 2.67)	70	$\pm 30$
TLWY7900	Yellow (592)	1000	1400	70	2.2 (< 2.67)	70	$\pm 45$
TLWY8600	Yellow (592)	2000	3000	70	2.2 (< 2.67)	70	$\pm 30$
TLWY8900	Yellow (592)	2000	3000	70	2.2 (< 2.67)	70	$\pm 45$
VLWY9630	Yellow (592)	4000	7000	70	2.5 (< 3.03)	70	$\pm 30$
VLWY9930	Yellow (592)	4000	7000	70	2.5 (< 3.03)	70	$\pm 45$
VLWTG9600	True Green (523)	2000	2500	50	3.9 (< 4.7)	50	$\pm 30$
VLWTG9900	True Green (523)	2000	2500	50	3.9 (< 4.7)	50	$\pm 45$
VLWB9600	Blue (470)	800	1200	50	3.9 (< 4.7)	50	$\pm 30$
VLWB9900	Blue (470)	800	1200	50	3.9 (< 4.7)	50	$\pm 45$
VLWW9600	White	1500	2200	50	4.3 (< 5.2)	50	$\pm 30$
VLWW9601	White	2000	2500	50	4.3 (< 5.2)	50	$\pm 30$
VLWW9900	White	1500	2200	50	4.3 (< 5.2)	50	$\pm 45$

For technical support, contact: [LED@vishay.com](mailto:LED@vishay.com)

For further information: <http://www.vishay.com/ref/telux>

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## SEMICONDUCTORS:

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• FETs • Optoelectronics • ICs • Modules

## PASSIVE COMPONENTS:

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