



ELECTRO-OPTICAL CHARACTERISTICS I<sub>A</sub>=25°C I<sub>F</sub>=20mA

PARAMETER	MIN	Typ	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.8	V <sub>F</sub>	I <sub>F</sub> =100µA
REVERSE VOLTAGE	5.0			V <sub>R</sub>	I <sub>F</sub> =20mA
AXIAL INTENSITY		15		mcd	I <sub>F</sub> =20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED TRANSPARENT			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX
* t<10µS		

NOTES:

1. SSL-LX801131T LED, TRIM LEADS TO 5mm.
2. CRIMP LEAD WIRES TO LED LEADS (2 PCS.).
3. HEAT SHRINK INSULATION, 12.5mm IN LENGTH (2 PCS.).
4. ANODE: LXP-WST22RD10C, (RED TINNED OVERCOAT WIRE) CUT AT 100mm, STRIP 4mm & 9.5mm.
5. CATHODE: LXP-WST22BL10C, (BLACK TINNED OVERCOAT WIRE) CUT AT 100mm, STRIP 4mm & 9.5mm.

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (+0.030), X#=#0.5 (+0.020), X#X=#0.25 (+0.010), XXX=#0.127 (+0.005), LEAD SIZE=#0.08 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

PART NUMBER

SSI-LX801131TQ8049

REV.

T-8mm LED, 635nm RED,  
RED TRANSPARENT LENS, 4" WIRE LEADS.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY: CR

CHECKED BY:

APPROVED BY: DATE: 4.25.01

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