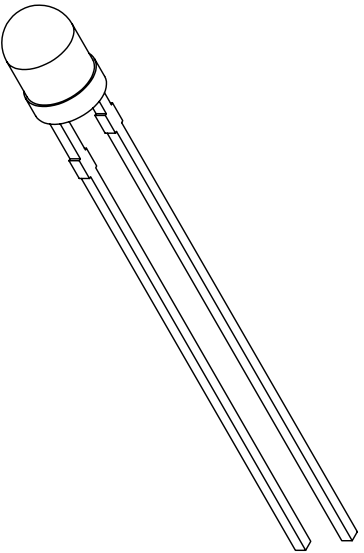




**THE DATASHEET OF
SSL-LX3044UWC**



PART NUMBER	SSL-LX3044UWC		REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
04.27.99	E.C.N. #10509.		A	
01.06.06	E.C.N. #11283.		B	
04.03.12	E.C.N. #11814 & 10BRDR. & REDRAWN.		C	



□ ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		550		nm	
FORWARD VOLTAGE		3.6	4.0	Vf	$I_f=20\text{mA}$
REVERSE VOLTAGE		5.0		Vr	$I_r=10\mu\text{A}$
AXIAL INTENSITY		1400	2000	mcd	$I_f=10\text{mA}$
CHROMATICITY (X)		0.26	0.30		
COORDINATES (Y)**		0.27	0.31		$I_f=20\text{mA}$
VIEWING ANGLE:				2x theta	
EMITTED COLOR:		WHITE			
LENS FINISH:		WATER CLEAR			

**AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.
 **THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT*	I_p	100	mA
STEADY CURRENT	I_f	10	mA
POWER DISSIPATION	P_d	170	mW
OPERATING TEMP.*	T_{OPR}	-40 TO +80	°C
STORAGE TEMP.	T_{STG}	-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY		3	SEC. MAX
*DUTY 1/10 PULSE WIDTH 10ms			

CAUTION: STATIC SENSITIVE DEVICE
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES
 WHEN WORKING WITH THIS PART.

Y1=±1 (±0.039), X1=X±H0.5 (±0.020), XX=±0.25 (±0.010), XXX=±0.127 (±0.009), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=⁺⁰DECIMAL PRECISION MAX.=⁻⁰DECIMAL PRECISION

EN 8000
 80067-89/76
 947,359,2790
 359,6538
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T-3mm (T-1) ULTRA WHITE LED, WATER CLEAR LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT

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DATE:	04.03.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		

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