



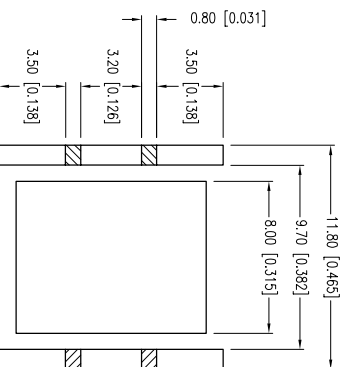
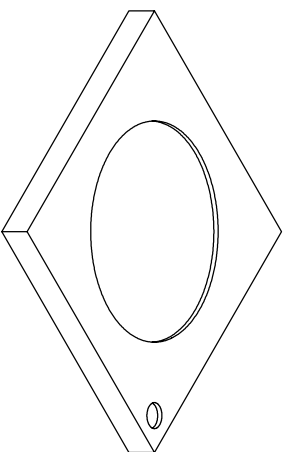
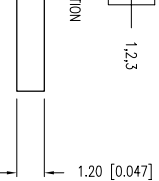
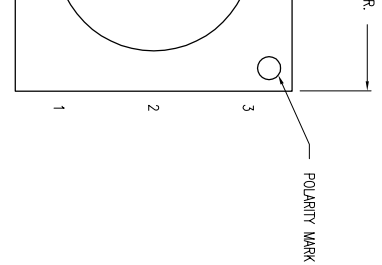
**THE DATASHEET OF
SML-LX4747UWC-TR10**



PART NUMBER

SML-LX4747UWC-TR10

REV. --



RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=1000\text{mA}$						
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	V_f	9.3	10.4	11.5	V	$I_f=1000\text{mA}$
REVERSE VOLTAGE	V_r	15			V	$I_f=10\mu\text{A}$
LUMINOUS FLUX	Φ_v	490	600		lm	$I_f=1000\text{mA}$
COLOR TEMPERATURE		5310	6000	7040	°K	
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:					COOL WHITE	
EPOXY LENS FINISH:					WATER CLEAR LENS	

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	1200	mA
STEADY CURRENT	1000	mA
POWER DISSIPATION	11.5	mW
OPERATING TEMP.	-40 TO +90	°C
STORAGE TEMP.	-40 TO +100	°C

THERMAL PARAMETERS

PARAMETER	MAX	UNITS
JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE (JUNCTION/SOLDER)	3.5	°C/W
TEMPERATURE COEFFICIENT OF V_f	-5.6	mV/°C

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

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

X=±1 (±0.039), X±=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=-_{0.00} DECIMAL PRECISION MAX.=+0.00
HELEN ROAD
E, IL 60067-6976
+1.847.359.2790
WWW.LUMEX.COM

12mm x 12mm SURFACE MOUNT LED, COOL WHITE.

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

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DATE:	02.04.11	DRAWN BY:	AB
PAGE:	1 OF 4	CHKD BY:	KF
SCALE:		APRVD BY:	BC
UNIT:	mm [INCH]		

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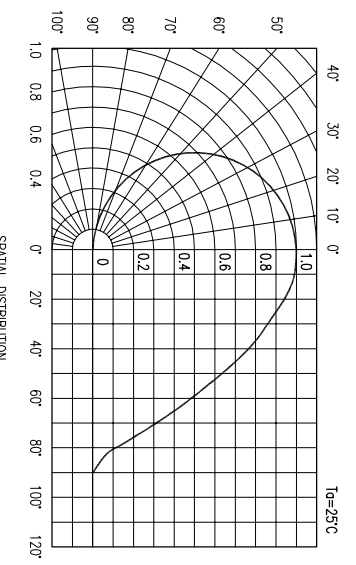
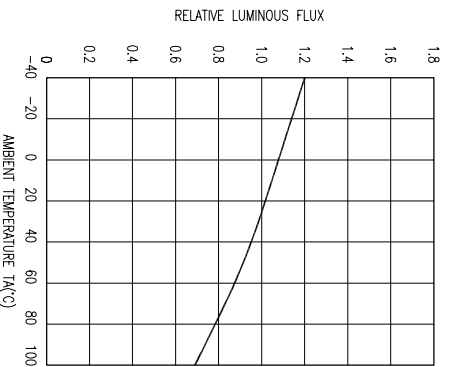
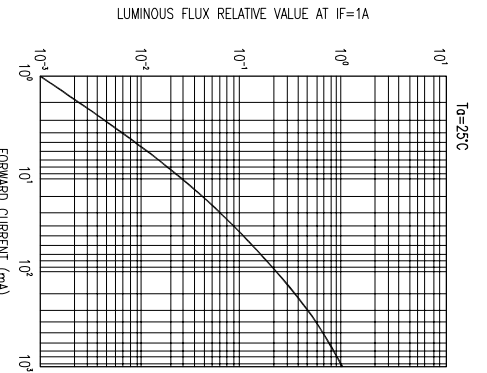


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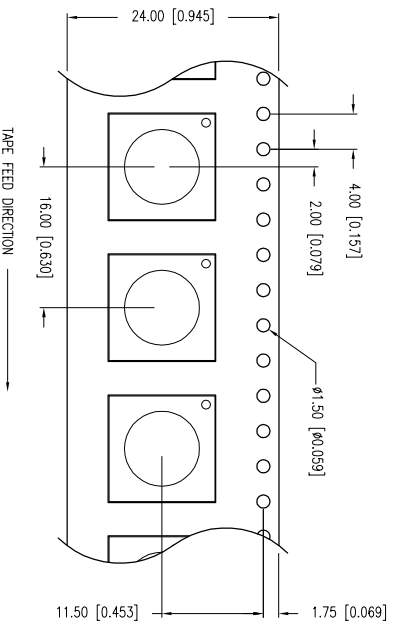
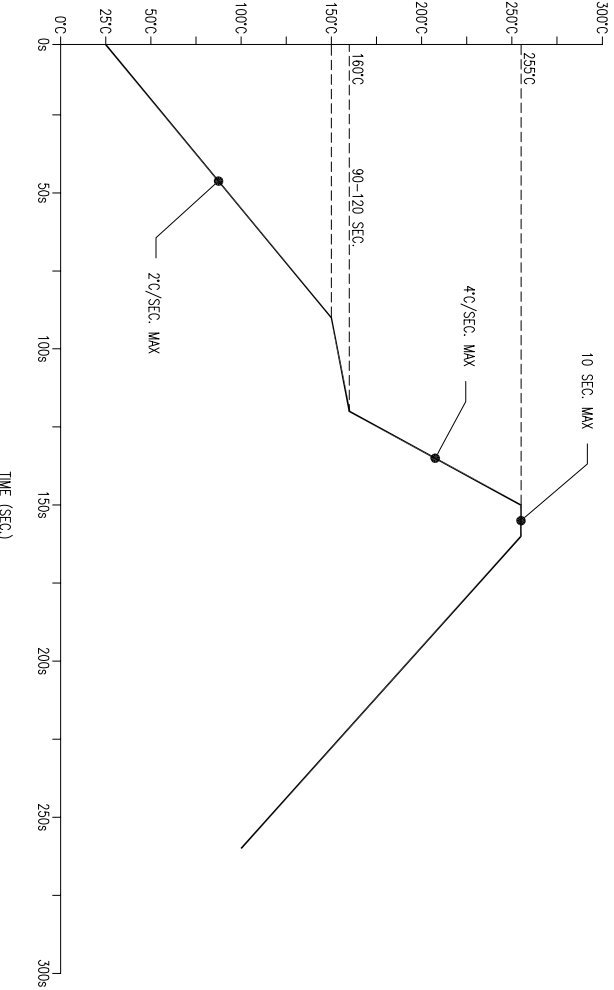
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LEAD FREE REFLOW PROFILE



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- ⊖ [Lumex Opto/Components Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management