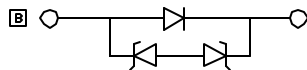
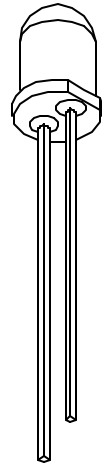
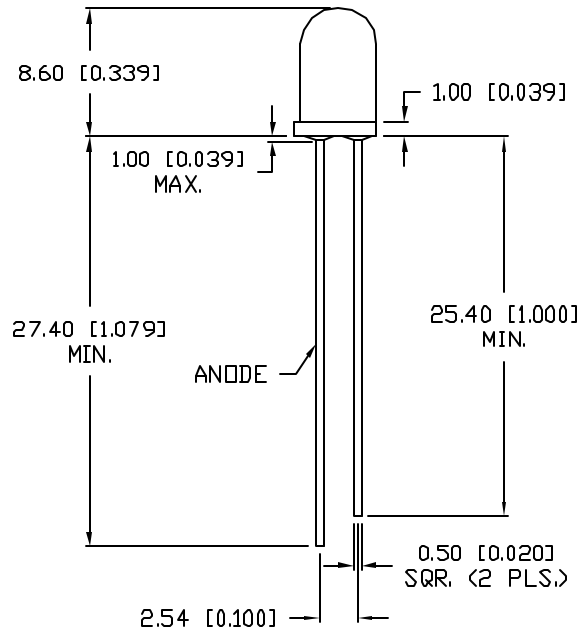
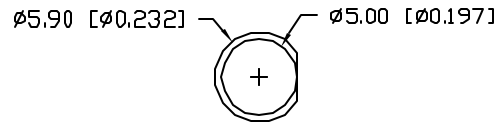


UNCONTROLLED DOCUMENT

|                 |                                     |          |
|-----------------|-------------------------------------|----------|
| PART NUMBER     |                                     | REV.     |
| SSL-LX5093UWC/B |                                     | C        |
| REV.            | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
| A               | E.C.N. #10509.                      | 4.27.99  |
| B               | E.C.N. #11283.                      | 1.6.06   |
| C               | E.C.N. #11148                       | 10.27.06 |



□ ELECTRO-OPTICAL CHARACTERISTICS TA=25°C

| PARAMETER           | SYMBOL         | MIN | TYP         | MAX | UNITS    | TEST COND            |
|---------------------|----------------|-----|-------------|-----|----------|----------------------|
| PEAK WAVELENGTH     |                |     | 550 (WHITE) |     | nm       |                      |
| FORWARD VOLTAGE     | V <sub>f</sub> |     | 3.6         | 4.0 | V        | I <sub>f</sub> =20mA |
| REVERSE VOLTAGE     | V <sub>r</sub> | 5   |             |     | V        | I <sub>r</sub> =10µA |
| AXIAL INTENSITY(*1) | I <sub>v</sub> |     | 1700        |     | mcd      | I <sub>f</sub> =20mA |
| CHROMATICITY        | X              |     | 0.29        |     |          |                      |
| COORDINATES(*2)     | Y              |     | 0.30        |     |          | I <sub>f</sub> =20mA |
| VIEWING ANGLE       |                |     | 20          |     | 2x theta |                      |
| EMITTED COLOR:      | WHITE          |     |             |     |          |                      |
| EPOXY LENS FINISH:  | WATER CLEAR    |     |             |     |          |                      |

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.  
\*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | SYMBOL           | MAX         | UNITS      |
|-----------------------|------------------|-------------|------------|
| PULSE FORWARD CURRENT | I <sub>p</sub>   | 100*        | mA         |
| STEADY CURRENT        | I <sub>F</sub>   | 30          | mA         |
| POWER DISSIPATION     | P <sub>D</sub>   | 120         | mW         |
| OPERATING TEMP.       | T <sub>OPR</sub> | -30 TO +80  | °C         |
| STORAGE TEMP.         | T <sub>STG</sub> | -40 TO +100 | °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.



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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±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.=<sup>+0.00</sup>/<sub>-0.00</sub> MAX.=<sup>+0.00</sup>/<sub>-0.00</sub>

|   |                                |   |                              |  |
|---|--------------------------------|---|------------------------------|--|
| REV.<br>C   | PART NUMBER<br>SSL-LX5093UWC/B | CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. | <b>LUMEX</b><br>INCORPORATED | 290 E. HELLEN ROAD<br>PALATINE, ILLINOIS 60067<br>PHONE: (847) 359-2790<br>WEB: http://www.lumex.com |
| T-5mm (T-1 3/4) ULTRA WHITE LED,<br>WATER CLEAR LENS. |                                | RELIABILITY NOTE<br>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.  | DRAWN BY: JC                 | CHECKED BY:  |
|   |                                |   | APPROVED BY:                 | DATE: 10.27.06   |
|   |                                |   |                              | PAGE: 1 OF 1   |
|   |                                |   |                              | SCALE: N/A   |