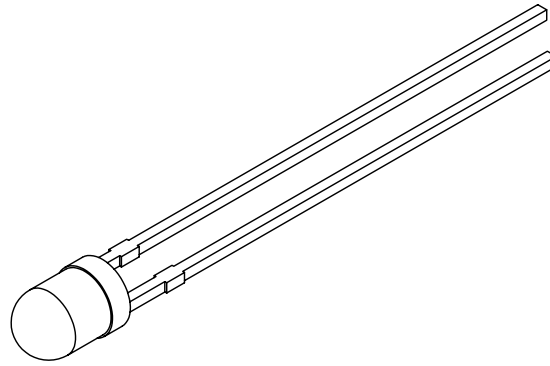
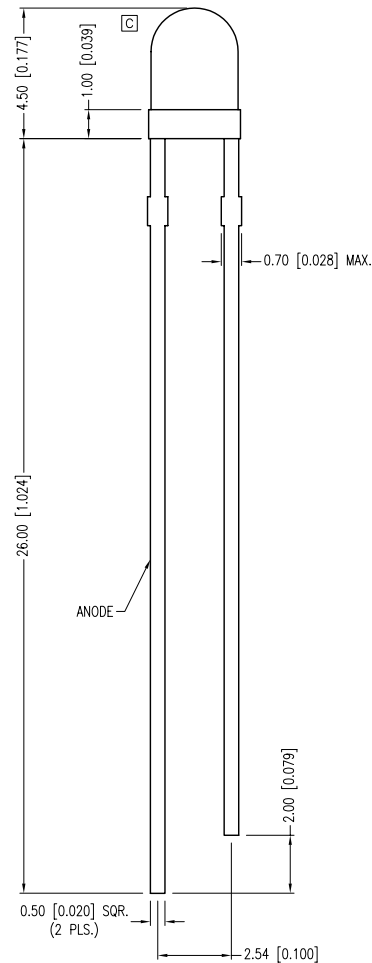
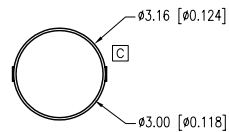


| PART NUMBER | SSL-LX3044UWC                       | REV. | C    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 04.27.99    | E.C.N. #10509.                      |      | A    |
| 01.06.06    | E.C.N. #11283.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



| C A ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA  |             |     |      |          |           |
|------------------------------------------------------|-------------|-----|------|----------|-----------|
| PARAMETER                                            | MIN         | TYP | MAX  | UNITS    | TEST COND |
| PEAK WAVELENGTH                                      |             | 550 |      | nm       |           |
| FORWARD VOLTAGE                                      |             | 3.6 | 4.0  | Vf       | If=20mA   |
| REVERSE VOLTAGE                                      | 5.0         |     |      | Vr       | Ir=10μA   |
| AXIAL INTENSITY                                      | 1400        |     | 2000 | mcd      | If=10mA   |
| CHROMATICITY (X)                                     | 0.26        |     | 0.30 |          |           |
| COORDINATES (Y)**                                    | 0.27        |     | 0.31 |          | If=20mA   |
| VIEWING ANGLE                                        |             | 60  |      | 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* | Ip     | 100        | mA       |
| STEADY CURRENT         | If     | 10         | mA       |
| POWER DISSIPATION      | Id     | 170        | mW       |
| OPERATING TEMP.        | ToPR   | -40 TO +80 | °C       |
| STORAGE TEMP.          | Sstg   | -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.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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] |           | Ⓟ  |