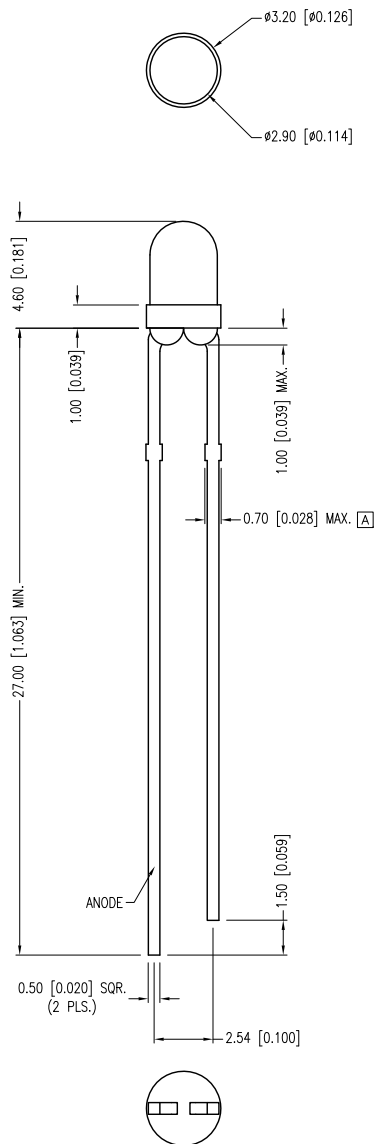
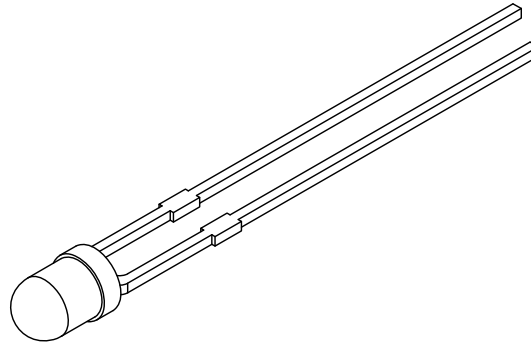


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX3044HC                        | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 03.10.11    | E.C.N. #10BRDR. & REDRAWN/#11703.   |      | A    |



|                                                      |             |      |     |          |           |
|------------------------------------------------------|-------------|------|-----|----------|-----------|
| [A] ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA |             |      |     |          |           |
| PARAMETER                                            | MIN         | TYP. | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                                      |             | 700  |     | nm       |           |
| FORWARD VOLTAGE                                      |             | 2.2  | 2.5 | Vf       |           |
| REVERSE VOLTAGE                                      | 5.0         |      |     | Vr       | Ir=100µA  |
| AXIAL INTENSITY                                      | 3           | 8    |     | mcd      | If=10mA   |
| VIEWING ANGLE                                        |             | 34   |     | 2x theta |           |
| EMITTED COLOR:                                       | RED         |      |     |          |           |
| EPOXY LENS FINISH:                                   | WATER CLEAR |      |     |          |           |

|                                      |            |           |
|--------------------------------------|------------|-----------|
| [A] LIMITS OF SAFE OPERATION AT 25°C |            |           |
| PARAMETER                            | MAX        | UNITS     |
| PEAK FORWARD CURRENT*                | 130        | mA        |
| STEADY CURRENT                       | 25         | mA        |
| POWER DISSIPATION                    | 63         | mW        |
| DERATE FROM 25°C                     | -1.6       | mW/°C     |
| OPERATING TEMP.                      | -40 TO +85 | °C        |
| STORAGE TEMP.                        | -40 TO +85 | °C        |
| SOLDERING TEMP.                      | +260       | °C        |
| 2.0mm FROM BODY                      | 3          | SEC. MAX. |
| * t<10µs                             |            |           |

\*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 MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

T-3mm (T-1) 700nm RED 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:  | 04.05.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | BC |
| UNIT:  | mm [INCH] |           | Ⓟ  |