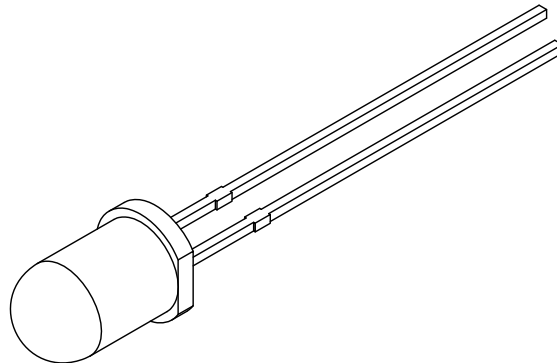
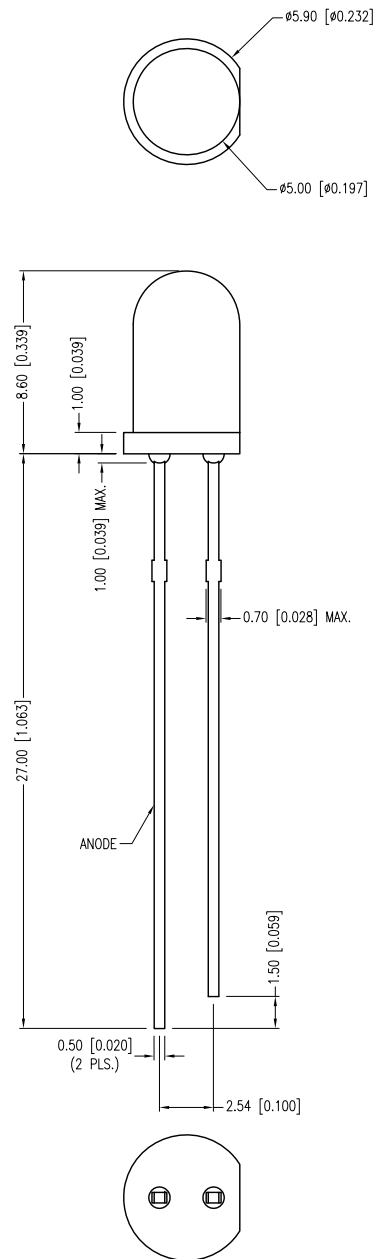


| PART NUMBER | SSL-LX5093SBD/A12V                  | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.23.06    | E.C.N. #11148.                      |      | A    |
| 09.04.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C Vf=12V |               |      |      |          |           |
|------------------------------------------------|---------------|------|------|----------|-----------|
| PARAMETER                                      | MIN           | TYP  | MAX  | UNITS    | TEST COND |
| PEAK WAVELENGTH                                |               | 430  |      | nm       |           |
| FORWARD VOLTAGE                                |               | 12.0 | 14.0 | Vf       |           |
| REVERSE VOLTAGE                                | 5.0           |      |      | Vr       | Ir=100μA  |
| AXIAL INTENSITY                                |               | 20   |      | mcd      | Vf=12V    |
| VIEWING ANGLE                                  |               | 60   |      | 2x theta |           |
| EMITTED COLOR:                                 | BLUE          |      |      |          |           |
| EPOXY LENS FINISH:                             | BLUE DIFFUSED |      |      |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER            | MAX        | UNITS |
|----------------------|------------|-------|
| PEAK FORWARD VOLTAGE | 14         | V     |
| STEADY CURRENT       | 12         | mA    |
| POWER DISSIPATION    | 310        | mW    |
| DERATE FROM 25°C     | -1.2       | mW/°C |
| OPERATING TEMP.      | -40 TO +85 | °C    |
| STORAGE TEMP.        | -40 TO +85 | °C    |
| SOLDERING TEMP.      | +260       | °C    |
| 2.0mm FROM BODY      | 3          | SEC.  |

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 MAX.= -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

QUASARBRITE T-5mm (T-1 3/4) 430nm BLUE LED, BLUE DIFFUSED LENS, 12V OPERATION.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 09.04.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |