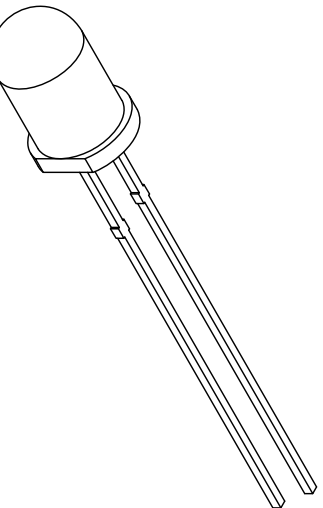




**THE DATASHEET OF  
SSL-LX5093USBC**



|             |                                     |  |      |   |
|-------------|-------------------------------------|--|------|---|
| PART NUMBER | SSL-LX5093USBC                      |  | REV. | B |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |  | REV. |   |
| 05.14.01    | E.C.N. #10BRDR. & REDRAWN.          |  | A    |   |
| 03.28.11    | E.C.N. #11703/10BRDR. & REDRAWN.    |  | B    |   |



0.390 [0.0232]

00 [0.0197]

**[B]** ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=20\text{mA}$

| PARAMETER       | MIN  | TYP         | MAX | UNITS                          | TEST COND            |
|-----------------|------|-------------|-----|--------------------------------|----------------------|
| PEAK WAVELENGTH |      | 470         |     | nm                             |                      |
| FORWARD VOLTAGE |      | 3.3         | 4.0 | V <sub>f</sub>                 | $I_f=100\mu\text{A}$ |
| REVERSE VOLTAGE | 5.0  |             |     | V <sub>r</sub>                 |                      |
| AXIAL INTENSITY | 1900 | 3000        |     | md                             | $I_f=20\text{mA}$    |
| VIEWING ANGLE   |      | 16          |     | $2\times \theta_{\text{half}}$ |                      |
| EMITTED COLOR:  |      | BLUE        |     |                                |                      |
| LENS FINISH:    |      | WATER CLEAR |     |                                |                      |

**[B]** LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT        | 30         | mA    |
| POWER DISSIPATION     | 120        | 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.  |

\* t<10μS

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

0.028] MAX. [B]

1.50 [0.059]

0]

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.= -0.00 -0.00 DECENTRAL PRECISION MAX.= +0.00 -0.00 DECENTRAL PRECISION

Y AVE. ±0.0188-4900  
CAN. L. 60188-4900  
800.278.5666  
3.151.2152  
LUXEY.COM  
/TW PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) 470nm ULTRA SUPER BLUE LED, WATER CLEAR LENS.

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

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UNCONTROLLED DOCUMENT

|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 03.28.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | BC |
| SCALE: | NTS       | APRVD BY: | BC |
| UNIT:  | mm [INCH] |           |    |



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View SSL-LX5093USBC on WIN SOURCE](#)
- ⊖ [Lumex Opto/Components Inc. Information](#)

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- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management