



NOTES:

1. LED includes integrated diode for reverse voltage protection.
2. LED includes integrated resistor for current limiting.

| | |
|-----------------------------|----------------|
| Operating Temperature Range | -30°C to +85°C |
| Storage Temperature Range | -40° to +100°C |

TYPICAL ELECTRICAL & OPTICAL OPERATING CHARACTERISTICS

(Ta = 25 degree C)

| PART NUMBER | EMITTING COLOR | AMPERAGE mA | VOLTAGE Vdc | LUMENS | DOMINANT WAVELENGTH | VIEWING ANGLE DEGREES |
|--------------|----------------|-------------|-------------|--------|---------------------|-----------------------|
| LE-0509-02R | RED | 20mA | 24.0 | 0.70 | 630nm | 20 |
| LE-0509-02Y | YELLOW | 20mA | 24.0 | 0.70 | 595nm | 20 |
| LE-0509-02G | GREEN | 20mA | 24.0 | 2.00 | 525nm | 20 |
| LE-0509-02B | BLUE | 20mA | 24.0 | 0.70 | 470nm | 20 |
| LE-0509-02W | 9000°K WHITE | 20mA | 24.0 | 2.50 | x = 0.28 y = 0.29 | 20 |
| LE-0509-02WW | 2600°K WHITE | 20mA | 24.0 | 2.50 | x = 0.401 y = 0.392 | 20 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|------------------------|------------------|---|---------------------------------------|---------|----------------------------------|-----------------------------------|---------|---|--------------|---------|---|-----------------------------------|---------|--|--|--------|---|--|---|--|---|--|--------------------------|--|--------------------------------|--|--|--|--|--|
| <table border="1"> <tr> <td>REV. NO.</td> <td>DESCRIPTION/ECO NUMBER</td> <td>APPV'D DATE</td> </tr> <tr> <td>D</td> <td>ADD + TO 24V DC MARK AND SHOW 2 LEADS</td> <td>2/20/12</td> </tr> <tr> <td>C</td> <td>ADD 9000°K WHITE AND 2600°K WHITE</td> <td>6/16/10</td> </tr> <tr> <td>B</td> <td>CHANGE CHART</td> <td>8/25/08</td> </tr> <tr> <td>A</td> <td>ADD LE-0509-02WW PART NO. TO LIST</td> <td>12/7/07</td> </tr> <tr> <td></td> <td>ENGR RELEASE & CANCEL PL-0509-02-1 TO -5</td> <td>7/3/06</td> </tr> </table> | | | REV. NO. | DESCRIPTION/ECO NUMBER | APPV'D DATE | D | ADD + TO 24V DC MARK AND SHOW 2 LEADS | 2/20/12 | C | ADD 9000°K WHITE AND 2600°K WHITE | 6/16/10 | B | CHANGE CHART | 8/25/08 | A | ADD LE-0509-02WW PART NO. TO LIST | 12/7/07 | | ENGR RELEASE & CANCEL PL-0509-02-1 TO -5 | 7/3/06 | <table border="1"> <tr> <td colspan="2"> METRIC THIRD ANGLE PROJECTION </td> <td colspan="2"> DIMENSIONS ARE IN MILLIMETERS TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- 0.2 2 PL +/- 0.20 ANGLE +/- 0 </td> </tr> <tr> <td colspan="2">DRAWN BY L. WENGSTROM</td> <td colspan="2">APPV'D BY DATE L.R. 2/20/12</td> </tr> </table> | | METRIC THIRD ANGLE PROJECTION | | DIMENSIONS ARE IN MILLIMETERS TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- 0.2 2 PL +/- 0.20 ANGLE +/- 0 | | DRAWN BY L. WENGSTROM | | APPV'D BY DATE L.R. 2/20/12 | | | | | |
| REV. NO. | DESCRIPTION/ECO NUMBER | APPV'D DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | ADD + TO 24V DC MARK AND SHOW 2 LEADS | 2/20/12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | ADD 9000°K WHITE AND 2600°K WHITE | 6/16/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | CHANGE CHART | 8/25/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | ADD LE-0509-02WW PART NO. TO LIST | 12/7/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ENGR RELEASE & CANCEL PL-0509-02-1 TO -5 | 7/3/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METRIC THIRD ANGLE PROJECTION | | DIMENSIONS ARE IN MILLIMETERS TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- 0.2 2 PL +/- 0.20 ANGLE +/- 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY L. WENGSTROM | | APPV'D BY DATE L.R. 2/20/12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | TITLE T-3 1/4 24V WEDGE BASE LED | | SIZE A | | FSCM NO. 55335 | | DRAWING NO. LE-0509-02 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | - CAD DRAWING - MANUAL REVISIONS NOT PERMITTED | | SCALE NONE | | RELEASED DATE 7/3/06 | | REVISION DATE 2/20/12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | REV. NO. D | | SHEET 1 OF 1 | | | | | | | | | | | | | | | | | | | | | | | | | |