


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=120\text{VAC}$

| PARAMETER                | MIN         | TYP | MAX | UNITS              |
|--------------------------|-------------|-----|-----|--------------------|
| PEAK WAVELENGTH          |             | 470 |     | nm                 |
| FORWARD VOLTAGE          |             | 120 |     | VAC                |
| POWER DISSIPATION        |             | 2.4 |     | W                  |
| LUMINOUS FLUX            |             | 15  |     | lm                 |
| VIEWING ANGLE            |             | 15  |     | 2x theta           |
| OPERATING, STORAGE TEMP. | -20         |     | +70 | $^{\circ}\text{C}$ |
| EMITTED COLOR:           | BLUE        |     |     |                    |
| EPOXY LENS FINISH:       | WATER CLEAR |     |     |                    |

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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

|  |                                 |   |   |   |          |           |
|--|---------------------------------|---|---|---|----------|-----------|
| REV.   | PART NUMBER<br>SSP-50PAR307U110 | CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF SUNBRITE LEDS. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY SUNBRITE LEDS, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. |  | 286 E. HELEN ROAD<br>PALATINE, IL 60067-6976<br>PHONE: +1.847.348.3116<br>FAX: +1.847.359.2867<br>WEB: www.sunbriteleds.com |          |           |
| 50 LED, PAR 30, REPLACEMENT LAMP,<br>470nm BLUE LED, WATER CLEAR LENS. |                                 | RELIABILITY NOTE<br>OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.  |   | DRAWN:<br>JD  | CHECKED: | APPROVED: |