



KEY FEATURES

- Available with 30° (Narrow) or 100° (wide) symmetric optics
- Low profile
- Thermally managed for maximum longevity
- 100 000 hour lifespan
- Available in assembled strings



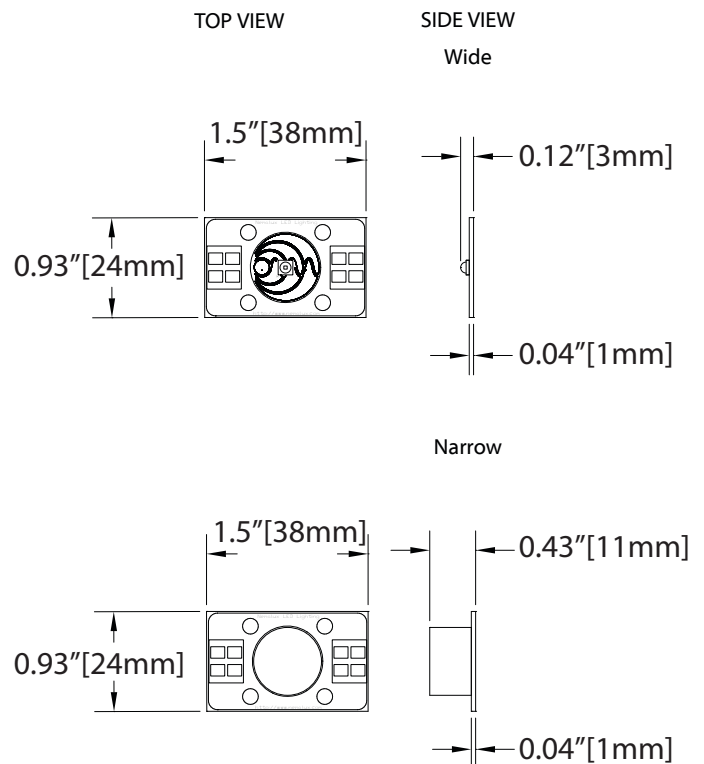
MODEL NUMBER SELECTOR Example: CARDLED-NW-W

| MODEL | COLOR | OPTIC |
|---------|---|--------------------------------------|
| CARDLED | | |
| | CW - Cool White NW - Neutral White WW - Warm White CUS - Custom <i>Contact for custom color</i> | N - Narrow W - Wide |

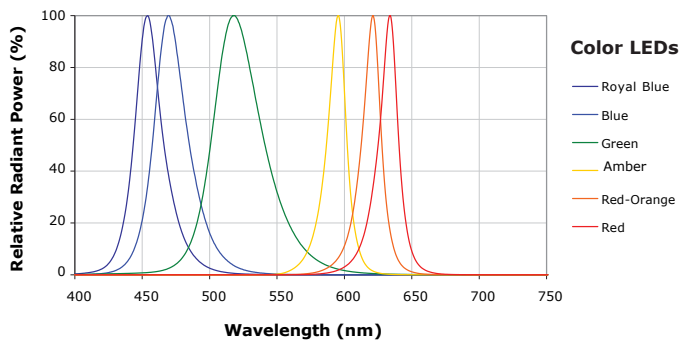
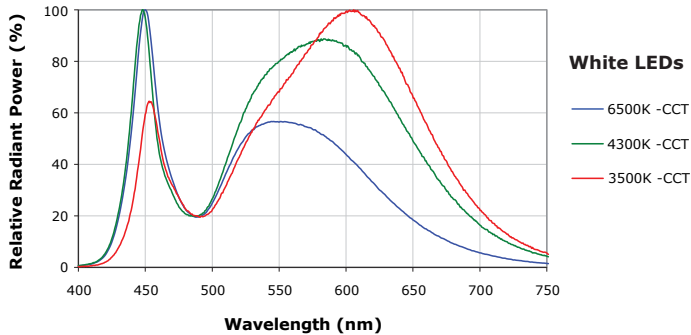
TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

| | |
|--------------------------|---|
| HOUSING | N/A - Bare PCB (Can be uniformly coated by request) |
| MOUNTING | #4 Mouting Screws or DBL Sided Tape |
| VOLTAGE MAXIMUM | 4 VDC |
| TYPICAL INPUT VOLTAGE | 3 VDC |
| POWER | 1 W Per board |
| CURRENT | 320 mA Per board |
| CONNECTIONS | 1 Ft Flying Lead (Custom Lengths Available) |
| TEMPERATURE RANGE | -40°C – +85°C |
| TYPICAL CASE TEMPERATURE | ~15°C Above Ambient Temperature |
| CERTIFICATIONS | Extra Low Voltage |
| INGRESS PROTECTION | N/A |
| COLOR TEMP RANGE | CW: 6500K NW: 4300K WW: 3500K |
| CRI VALUE | CW: 75 NW: 75 WW: 80 |
| TOTAL LUMENS | 114 |
| TOTAL SCOTOPIC LUMEN | 243 |
| WEIGHT | 0.03 oz 1 g |

DIMENSIONS



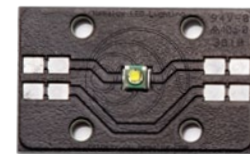
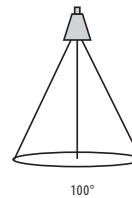
PHOTOMETRICS



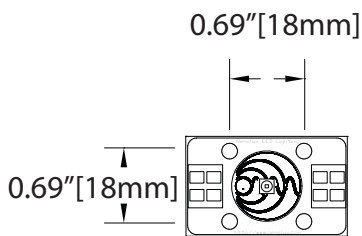
NARROW BEAM



WIDE BEAM



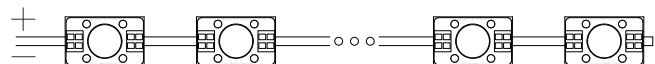
MOUNTING OPTIONS



WIRING DIAGRAM

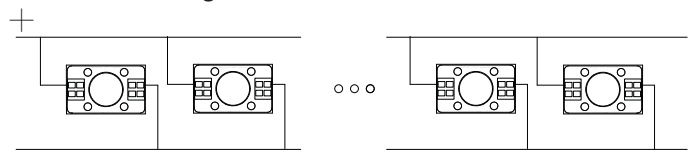
SERIES WIRING

Connect positive (anode) to Positive (+) rail, connect negative (cathode) to Common (-) rail, loop end of series string to provide return to ground.



PARALLEL WIRING

Connect positive (anode) to Positive (+) rail, connect negative (cathode) to Common (-) rail.



Different combinations of series and parallel can be combined to achieve desired voltage and current requirements