



CR/BR Series T1 3/4 Panel Mount Reflector LED

Special Features

- Sealed against moisture and dust – gasket option and IP66 sealing available
- Optional internal resistor for 5V-60VDC, 5V-60VAC and 120VAC option
- Mil Spec MIL-W22759/33 wire and connector options

Specifications

- Mounting hole: .312" ± .002" (7.93 ± 0.05 mm)
- Termination: 24 AWG UL1061 6.0" (152.4 mm) red (anode) and black (cathode) leads stripped .250" (6.35 mm) standard or LED pins
- Housing: Nickel plated brass or black anodized brass housing
- Maximum panel thickness: .160" (4.06 mm) standard, .100" (2.54 mm) gasket seal
- Mounting torque: 20 ± 2 in-lb (2.26 ± 0.23 N-mm)

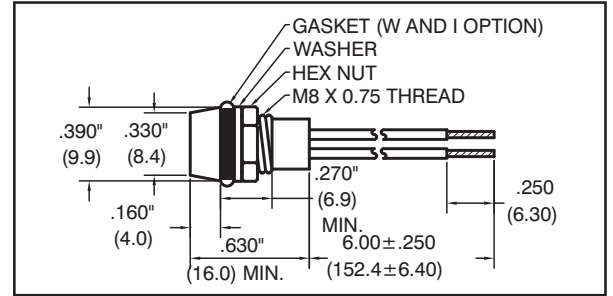
Electrical and Optical Characteristics (TA = 25°C)

| LED Part # | Color | Luminous Intensity (mcd) Typ. @ I _f (mA) | V _f Typ. @ I _f (mA) | Viewing Angle 2 θ ½ | Peak Wavelength (nm) | | |
|---|--------|--|---|------------------------|----------------------|-----|-----|
| HIGH EFFICIENCY | | | | | | | |
| 3008 | Red | 11.0 | 10 | 1.9 | 10 | 60° | 635 |
| 3019 | Green | 14.0 | 10 | 2.1 | 10 | 60° | 565 |
| 3020 | Yellow | 8.0 | 10 | 2.0 | 10 | 60° | 583 |
| 3022 | Orange | 7.0 | 10 | 1.9 | 10 | 60° | 600 |
| ULTRA BRIGHT – DAYLIGHT READABLE | | | | | | | |
| 3056 | Red | 400.0 | 20 | 1.9 | 20 | 30° | 660 |
| 3055 | Yellow | 400.0 | 20 | 2.0 | 20 | 30° | 590 |
| 3054 | Green | 300.0 | 20 | 3.2 | 20 | 30° | 520 |
| 3060 | Orange | 600.0 | 20 | 2.1 | 20 | 30° | 610 |
| SUPER ULTRA BRIGHT | | | | | | | |
| 3036 | Red | 2800.0 | 20 | 1.85 | 20 | 20° | 660 |
| 3046 | Red | 900.0 | 20 | 1.9 | 20 | 30° | 626 |
| 3047 | Green | 5490.0 | 20 | 3.2 | 20 | 20° | 520 |
| 3048 | Amber | 1300.0 | 20 | 2.02 | 20 | 30° | 592 |
| BLINKING (Operates at 3.5V to 14V, blinking frequency from 3.0Hz to 1.5Hz) | | | | | | | |
| 4002 | Red | 198.0 | 22 | 5.0 | 22 | 60° | 660 |
| BICOLOR (3 leaded – common cathode) | | | | | | | |
| 0909 | Red | 697.0 | 20 | 1.95 | 20 | 60° | 650 |
| | Green | 198.0 | 20 | 2.1 | 20 | | 574 |
| 0910 | Yellow | 198.0 | 20 | 2.0 | 20 | 60° | 590 |
| | Green | 168.0 | 20 | 2.1 | 20 | | 574 |
| TRICOLOR (4 leaded – common cathode) | | | | | | | |
| 3900 | Red | 547.0 | 20 | 1.9 | 20 | 60° | 640 |
| | Yellow | 397.0 | 20 | 2.0 | 20 | 60° | 590 |
| | Green | 497.0 | 20 | 3.2 | 20 | 60° | 520 |
| FULL COLOR R/G/B (4 leaded – common anode) | | | | | | | |
| 2400 | Red | 2490.0 | 20 | 2.2 | 20 | 60° | 640 |
| | Green | 377.0 | 20 | 3.2 | 20 | 60° | 520 |
| | Blue | 1095.0 | 20 | 3.3 | 20 | 60° | 461 |
| BLUE | | | | | | | |
| 3044 | Blue | 60.0 | 20 | 3.8 | 20 | 20° | 430 |
| 3057 | Blue | 640.0 | 20 | 3.3 | 20 | 20° | 468 |
| WHITE | | | | | | | |
| 3061 | White | 27000.0 | 20 | 3.2 | 20 | 15° | N/A |



5mm Panel Mount LED Assemblies

Package Dimensions



All dimensions are in inches (mm)

Resistor Chart

| OPERATING SPECIFICATIONS | | | | |
|--------------------------|---------|--------------|--|---|
| Resistor Value Code | Voltage | Current (mA) | Resistor Value (Ohms) Green, Yellow Red, Bicolor LED | Resistor Value (Ohms) Blue, White LED |
| 0000 | 2 | 10 or 20 | None | Not Available |
| 9900 | 5 | 10 | 332 | |
| 9928 | 5 | 10 | | 121 |
| 9901 | 12 | 10 | 1000 | |
| 9902 | 12 | 10 | | 715 |
| 9903 | 24 | 10 | 2210 | |
| 9904 | 24 | 10 | | 1910 |
| 9905 | 28 | 10 | 2610 | |
| 9906 | 28 | 10 | | 2320 |
| 9907 | 5 | 20 | 150 | |
| 9922 | 5 | 20 | | 65 |
| 9908 | 12 | 20 | 511 | |
| 9909 | 12 | 20 | | 357 |
| 9910 | 24 | 20 | 1100 | |
| 9911 | 24 | 20 | | 953 |
| 9912 | 48 | 9 | 4870 | |
| 9913 | 48 | 9 | | 4530 |
| 9914 | 60 | 7 | 8250 | |
| 9915 | 60 | 7 | | 7500 |
| 9920 | 120VAC | 3.5 | 34000 | Contact WLI |

Note: Bi-Color and Tri-Color not available in AC voltages

How To Order

