



Certifications & Ratings

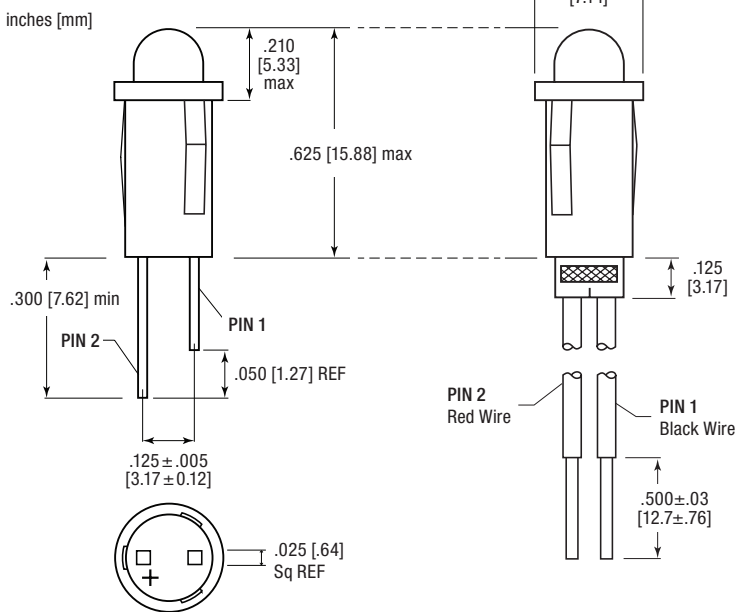
- RoHS compliant

Application

Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors.

- Fan tray assemblies
- Data-center Infrastructure (Servers and Storage)
- Next-Gen Wireless Infrastructure
- Electronic Test & Measurement Instruments
- Communications Testing Equipment
- Hand held Devices
- ... and many more!

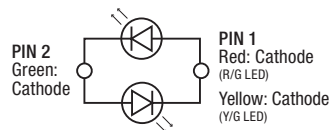
Dimensions



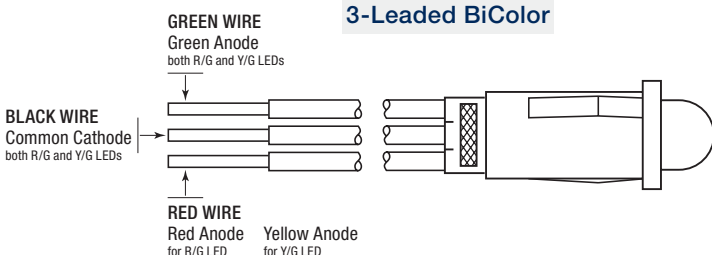
SINGLE COLOR LED SCHEMATIC



BICOLOR LED SCHEMATIC



3-Leaded BiColor



Mechanical Information

| | |
|-----------------------------|-----------------------------|
| Mounting Hole Size: | 0.249–0.252" (6.32–6.40 mm) |
| Max Panel Thickness: | 0.031–0.062" (.787–1.57 mm) |
| Mounting Torque: | N/A |

Specifications

| | |
|-------------------------------|--|
| Voltage Options: | 1.6–2.3 V DC typical (resistor required) 5, 12, 24V DC (no resistor required) |
| Operating Temp: | See table |
| Storage Temp: | -55 °C to +100 °C (-67 °F to +212 °F) |
| Electrical Connection: | Straight terminals for wire wrapping or 24 AWG lead wire |
| Housing: | Black — UL94V-0 and enhances LED contrast |
| Wire Leads: | 6" or 14" |
| Connectors: | Available upon request |
| Possible Connectors: | Molex 50-57-9402 AMP 3-643814-3 |
| Terminals: | Available upon request |
| Possible Terminals: | Molex 16-02-0069, 16-02-077, AMP 42067-1 |



Ordering Information 559 Series

Part Number Guide

| | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|-----------|---|-----------------------|---|---|
| 5 | 5 | 9 | - | X | X | X | X | - | 0 | X | X | F |
| LED Code (see below) | | | | | | | | Wire Code | | Termination Code | | |
| | | | | | | | | Standard | 0 | Straight Terminals | | 1 |
| | | | | | | | | PVC Free | 2 | 24 AWG 6" wire leads | | 3 |
| | | | | | | | | | | 24 AWG 14" wire leads | | 7 |

| LED Code | Color | Peak Wavelength (nm) | Intensity Typ. (mcd) | If Typ. (mA) | Vf Typ. (V DC) | Viewing Angle | Max DC Forward Current (mA) | Type | Operating Temp |
|----------|----------------|----------------------|----------------------|--------------|----------------|---------------|-----------------------------|-----------------------------|-------------------|
| 5501 | Red | 635 | 125 | 20 | 2.2 | 24 | 30 | Non-Tinted/ Non-Diffused | -55 °C to +100 °C |
| 5601 | Green | 565 | 120 | | 2.3 | 24 | 30 | | -20 °C to +100 °C |
| 5701 | Yellow | 583 | 140 | | 2.1 | 24 | 20 | | -55 °C to +100 °C |
| 5801 | Orange | 605 | 90 | | 2.2 | 20 | 50 | | -30 °C to +85 °C |
| 5901 | Yellow | 592 | 3100 | | 2 | 15 | 50 | | -40 °C to +100 °C |
| 6001 | Blue | 470 | 1500 | | 3.6 | 30 | 30 | | -30 °C to +85 °C |
| 6101 | Red | 635 | 2100 | | 1.9 | 15 | 50 | | -40 °C to +100 °C |
| 6201 | Green | 525 | 5000 | | 3.2 | 30 | 30 | | -30 °C to +85 °C |
| 6301 | Orange | 609 | 4000 | | 1.9 | 15 | 50 | | -40 °C to +100 °C |
| 6401 | White | X = .31 Y = .32 | 2500 | | 3.2 | 50 | 30 | | -30 °C to +85 °C |
| 1101 | Red | 635 | 2.3 | 2 | 1.7 | 50 | 7 | Low Current Diffused | -55 °C to +100 °C |
| 1201 | Yellow | 583 | 1.8 | | 1.9 | 50 | 7 | | |
| 1301 | Green | 565 | 1.8 | | 1.8 | 50 | 7 | | |
| 2101 | Red | 650 | 6.3 | 10 | 2.2 | 50 | 20 | Diffused | -25 °C to +85 °C |
| 2201 | Green | 563 | 10 | | 2.1 | 65 | 25 | | -55 °C to +100 °C |
| 2301 | Yellow | 585 | 29 | | 1.9 | 50 | 20 | | |
| 2501 | Orange | 600 | 7 | | 1.9 | 60 | 30 | | |
| 5101 | Red | 635 | 40 | | 2 | 50 | 25 | | |
| 5201 | Green | 565 | 19 | 10 | 2.1 | 50 | 30 | -55 °C to +100 °C | |
| 5301 | Yellow | 585 | 29 | 20 | 2.1 | 50 | 20 | Diffused | -40 °C to -100 °C |
| 5401 | Amber | 610 | 50 | | 2.1 | 50 | 20 | | |
| 0102 | Red | 635 | 8 | | 10 | 5 | 60 | | |
| 0202 | Green | 565 | 8 | 12 | 5 | 60 | 15 | -20 °C to +85 °C | |
| 0302 | Yellow | 583 | 8 | 10 | 5 | 60 | 15 | -40 °C to +85 °C | |
| 0103 | Red | 635 | 8 | 13 | 12 | 60 | 15 | 12V Integral Resistor | -55 °C to +100 °C |
| 0203 | Green | 565 | 8 | | 12 | 60 | 15 | | -20 °C to +85 °C |
| 0303 | Yellow | 583 | 8 | | 12 | 60 | 15 | | -40 °C to +85 °C |
| 5904 | Yellow | 592 | 3100 | 20 | 24 | 15 | 50 | 24V Integral Resistor | -30 °C to +85 °C |
| 6104 | Red | 635 | 2100 | | 24 | 15 | 50 | | |
| 6204 | Green | 525 | 5000 | | 24 | 30 | 50 | | |
| 3001 | Red / Green | 660 / 565 | 90 / 40 | 10 | 1.8 / 2.1 | 60 | 40 / 30 | 2 leaded Bi-color | -55 °C to +100 °C |
| 3201 | Yellow / Green | 589 / 571 | 30 / 50 | | 2.1 / 2.1 | 50 | 20 | | -30 °C to +85 °C |
| 3501 | Red / Green | 635 / 565 | 5.0 / 8.0 | | 2.1 / 2.3 | 65 | 30 | 3 leaded Bi-color | -20 °C to +85 °C |
| 3601 | Yellow / Green | 590 / 568 | 9 / 13.5 | | 2 / 2.1 | 65 | 30 | | |

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