

Certifications & Ratings

- RoHS compliant

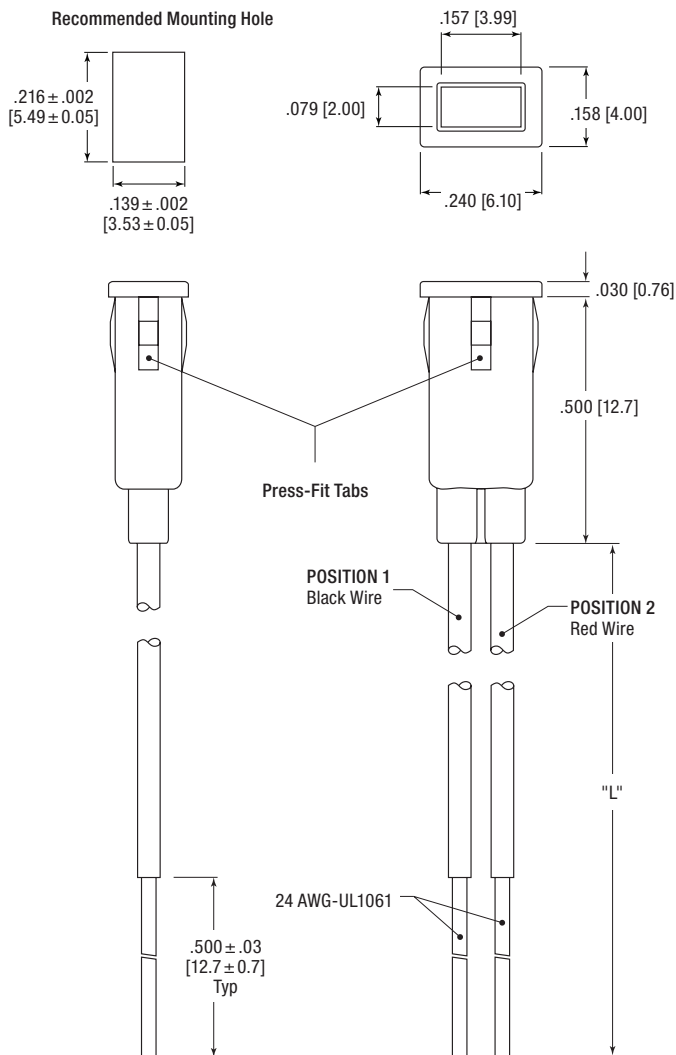
Application

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

inches [mm]



Mechanical Information

Mounting Hole Size: 0.216 ± .002" x .139 ± .002" (5.49 ± .05 mm x 3.53 ± .05 mm)

Max Panel Thickness: 0.031 – 0.062" (.787 – 1.57 mm)

Specifications

Voltage Options: 1.6 – 3.2V DC typical (resistor required)

Operating Temp: See table

Storage Temp: See table

Electrical Connection: 24 AWG 14" lead wire

Housing: Black — UL94V-0 and enhances LED contrast

Connectors: Available upon request

Possible Connectors: Molex 50-57-9402
AMP 3-643814-3

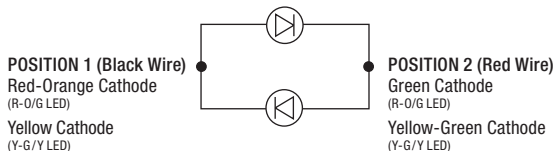
Terminals: Available upon request

Possible Terminals: Molex 16-02-0069, 16-02-077,
AMP 42067-1








SINGLE COLOR LED SCHEMATIC



BICOLOR LED SCHEMATIC



Ordering Information 559 Rectangle Series

| Part Number Guide | | | | | | | | | | RoHS Compliant | | |
|-------------------|---|---|---|---|---|-------------|---|---|---|----------------|-----------------------|---|
| 5 | 5 | 9 | - | 8 | X | X | 0 | - | 0 | 0 | 7 | F |
| Color | | | | | | Termination | | | | | | |
| 1 | 0 |  Red | | | | | | | | | | |
| 2 | 0 |  Green | | | | | | | | | | |
| 3 | 0 |  Yellow | | | | | | | | | | |
| 4 | 0 |  Blue | | | | | | | | | | |
| 1 | 2 |  Red-Orange /  Green | | | | | | | | | | |
| 3 | 2 |  Yellow-Green /  Yellow | | | | | | | | | | |
| | | | | | | | | | | 7 | 24 AWG 14" wire leads | |

| Part Number | Color | Peak Wavelength (nm) | Intensity Typ. (mcd) | If Typ. (mA) | Vf Typ. (V DC) | Viewing Angle | Max DC Forward Current (mA) | Operating Temp | Storage Temp |
|---------------|-----------------------|----------------------|----------------------|--------------|----------------|---------------|-----------------------------|-------------------|-------------------|
| 559-8100-007F | Red | 635 | 125 | 20 | 2.0 | 104 | 30 | -55 °C to +100 °C | -55 °C to +100 °C |
| 559-8200-007F | Green | 565 | 120 | | 2.1 | 104 | 30 | -20 °C to +100 °C | |
| 559-8300-007F | Yellow | 585 | 140 | | 2.1 | 104 | 20 | -55 °C to +100 °C | |
| 559-8400-007F | Blue | 468 | 67 | | 3.2 | 100 | 20 | -30 °C to +85 °C | |
| 559-8120-007F | Red-Orange / Green | 630 / 565 | 90 / 40 | | 2.1 | 140 | 30 | -55 °C to +100 °C | |
| 559-8320-007F | Yellow-Green / Yellow | 570 / 591 | 30 / 50 | | 2.1 | 120 | 20 | -30 °C to +85 °C | |

Mouser Electronics

Authorized Distributor

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Dialight:

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