Dialight

Certifications & Ratings
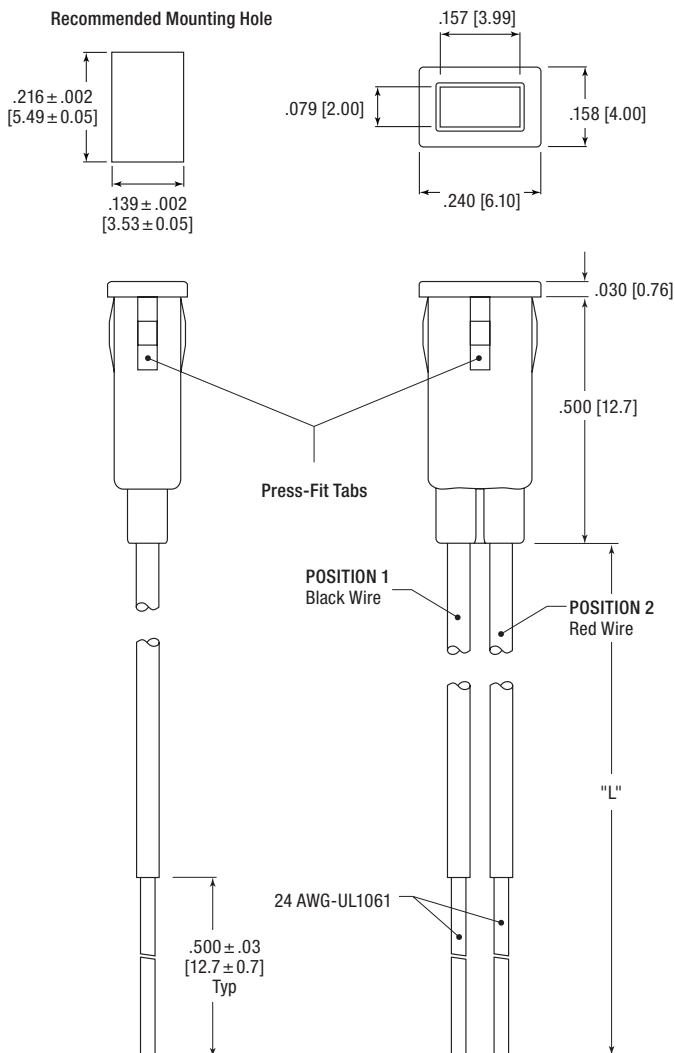
• RoHS compliant

Application

Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AllnGaP 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]

Recommended Mounting Hole

.216 ± .002
[5.49 ± 0.05]

.139 ± .002
[3.53 ± 0.05]

.157 [3.99]

.079 [2.00]

.158 [4.00]

.240 [6.10]

.030 [0.76]

.500 [12.7]

Press-Fit Tabs

POSITION 1
Black Wire

POSITION 2
Red Wire

"L"

24 AWG-UL1061

.500 ± .03
[12.7 ± 0.7]
Typ

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 – 2.3 V DC typical
(resistor required)

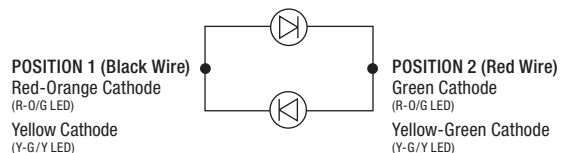**Operating Temp:** See table

Storage Temp: See table

Electrical Connection: 24 AWG 14" lead wire

Housing: Black — UL94V-0 and enhances LED contrast

SINGLE COLOR LED SCHEMATIC

POSITION 1
Cathode

POSITION 2
Anode

BICOLOR LED SCHEMATIC

POSITION 1 (Black Wire)
Red-Orange Cathode
(R-O/G LED)

Yellow Cathode
(Y-G/Y LED)

POSITION 2 (Red Wire)
Green Cathode
(R-O/G LED)

Yellow-Green Cathode
(Y-G/Y LED)

RoHS COMPLIANT

Dialight

Ordering Information 559 Rectangle Series

Part Number Guide

RoHS Compliant

| 5 | 5 | 9 | - | 8 | X | X | 0 | - | 0 | 0 | 7 | F |

Color

1	0	● Red
2	0	● Green
3	0	● Yellow
1	2	● Red-Orange / ● Green
3	2	● Yellow-Green / ● Yellow

Termination

| 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		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	20	2.1	104	20	-55 °C to +100 °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	-40 °C to +100 °C

Mouser Electronics

Authorized Distributor

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[Dialight](#):
  [559-8100-007F](#)   [559-8120-007F](#)   [559-8200-007F](#)   [559-8300-007F](#)   [559-8320-007F](#)