Dialight
Signals & Components

559 SERIES
Rectangle Snap-In LED
0.216 x 0.139" (5.49 x 3.53mm) Mounting Hole

MECHANICAL / SPECIFICATIONS

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)

VOLTAGE OPTIONS:
1.6 – 3.2V DC typical (resistor required)

OPERATING/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:
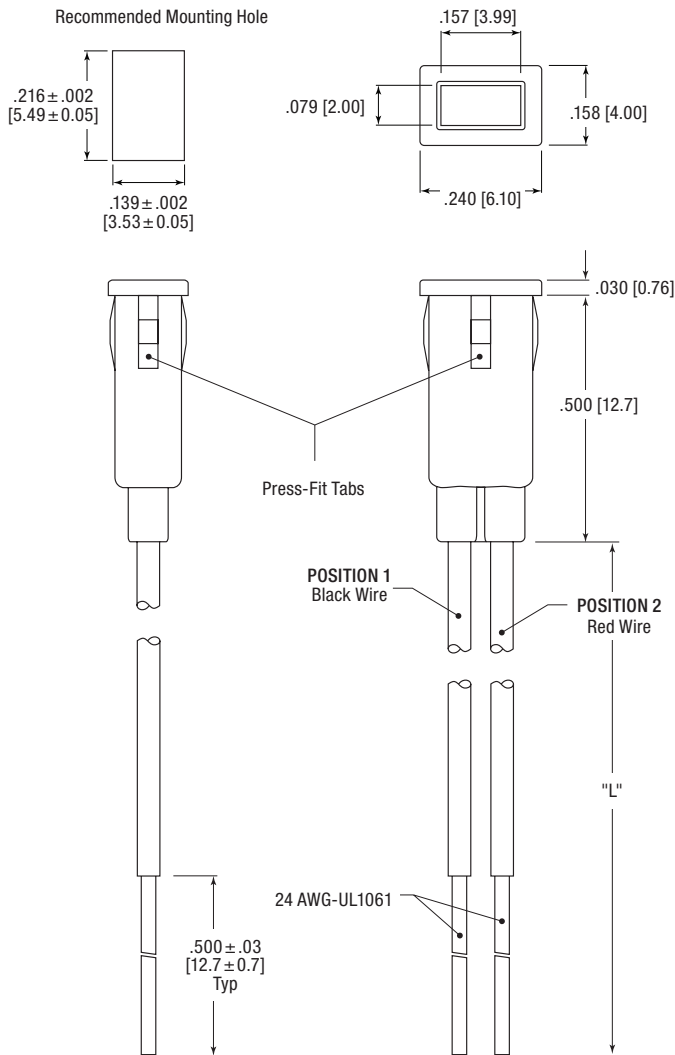Molex 16-02-0069, 16-02-077,
AMP 42067-1

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
- Hand-held devices
- Data-center Infrastructure (servers and storage)
- Next-gen wireless infrastructure
- Electronic test and measurement instruments
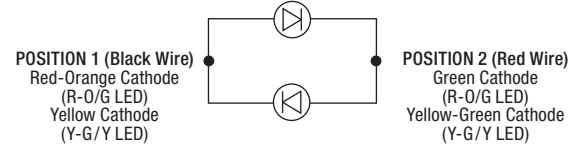- Communications testing equipment

OE is **O**ur **E**xpertise.

DIMENSIONS & ORDERING INFORMATION >

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

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)

ORDERING INFORMATION

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	
559-8200-007F	● Green	565	120		2.1	104	30	-20 °C to +100 °C	-55 °C to +100 °C
559-8300-007F	● Yellow	585	140	20	2.1	104	20	-55 °C to +100 °C	
559-8400-007F	● Blue	468	67		3.2	100	20	-30 °C to +85 °C	-40 °C to +100 °C
559-8120-007F	●● Red-Orange / Green	630 / 565	90 / 40		2.1	140	30	-55 °C to +100 °C	-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