

Certifications & Ratings

- RoHS compliant

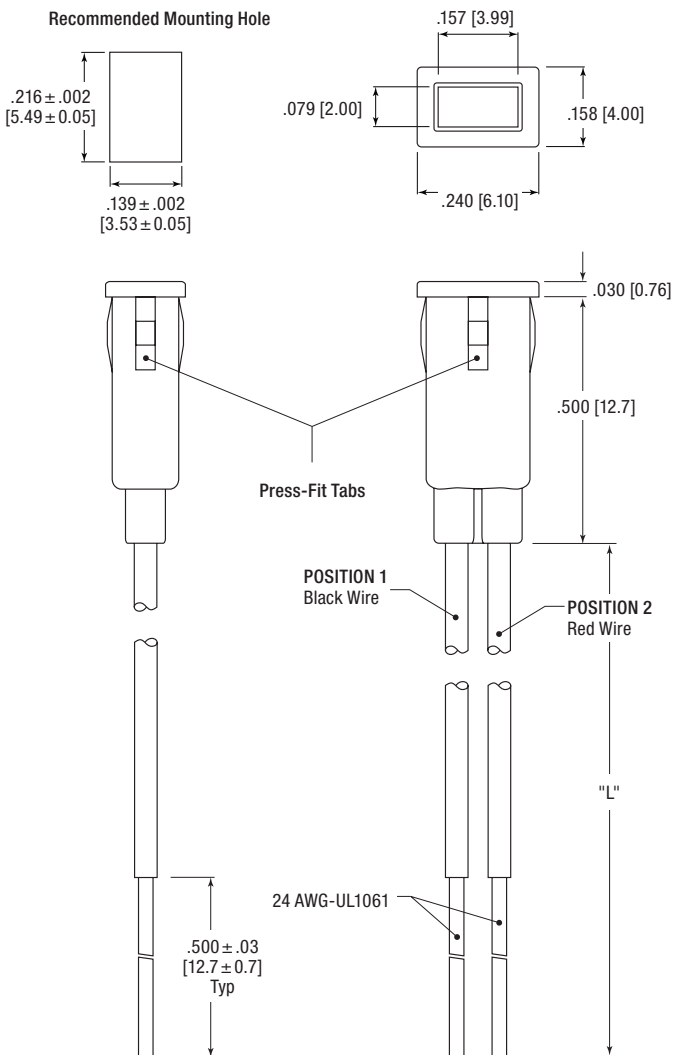
Application

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: $0.216 \pm .002" \times .139 \pm .002"$
($5.49 \pm .05 \text{ mm} \times 3.53 \pm .05 \text{ mm}$)

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

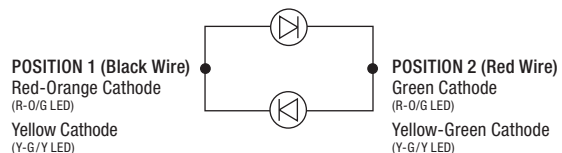
Terminals: Available upon request

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
											Termination	
											7	24 AWG 14" wire leads
Color												
1	0	● Red										
2	0	● Green										
3	0	● Yellow										
4	0	● Blue										
1	2	● Red-Orange / ● Green										
3	2	● Yellow-Green / ● Yellow										

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	

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