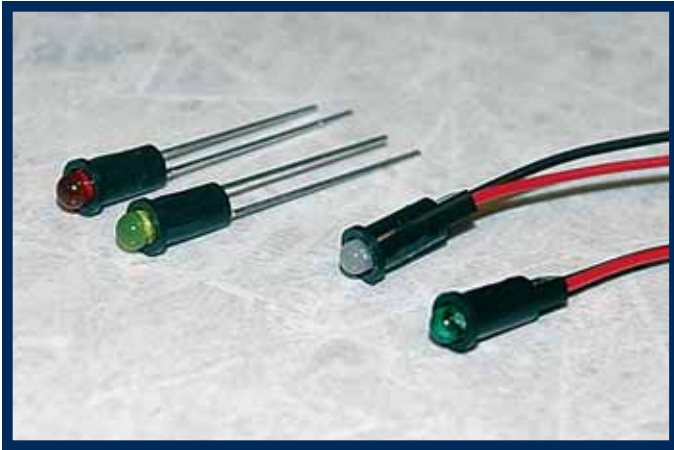


# Dialight

## 558 Series - Low Current & High Efficiency Snap-in LED Panel Mount Indicators



### FEATURES / BENEFITS

- ▲ Long life - typically 100K hours
- ▲ Low current requirements - as low as 2 mA
- ▲ Low power consumption - uses up to 90% less energy than an incandescent indicator
- ▲ Front panel snap-in mounting requires no additional hardware
- ▲ No heat generated
- ▲ Resistant to shock and vibration
- ▲ Termination - straight terminals for wire wrapping or lead wire for soldering or optional terminals
- ▲ Colors include - red, green, yellow, orange and blue

### APPLICATIONS

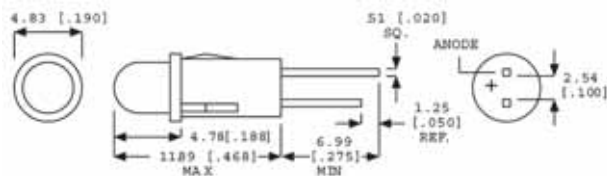
Dialight's 558 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors. These indicators are designed for a variety of applications such as:

- Main and remote power indication
- Maintenance and warning indication
- Status indication
- Instrumentation
- .....and many more!

### SPECIFICATIONS

- ▲ Voltage requirements:  
2.1 - 3.5 VDC typical (current limiting resistor required)
- ▲ Mounting hole size: 0.155 - 0.158" (3.94 - 4.01 mm)
- ▲ Panel thickness: 0.031 - 0.062" (.787 - 1.57 mm)
- ▲ Housing: Black housing material meets UL94V-0 and enhances LED contrast
- ▲ Operating temperature: -25°C to +85°C
- ▲ Storage temperature: -30°C to +100°C
- ▲ Electrical connection  
Straight terminals for wire wrapping or either 6 or 14 inch 26 AWG lead wire

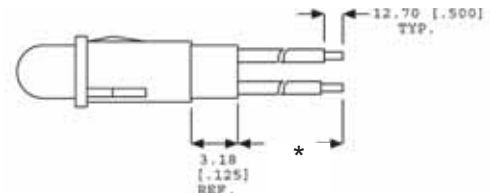
#### STRAIGHT TERMINALS - TERMINATION OPTION 1



Dimensions in mm [inches]

NOTE: WIRE LEAD COLOR RED (ANODE) AND BLACK (CATHODE)

#### \*26 AWG 6" WIRE LEADS - TERMINATION OPTION 3 26 AWG 14" WIRE LEADS - TERMINATION OPTION 7



Dialight reserves the right to make changes at any time in order to supply the best product possible.

Please see back of page for part numbers and additional specifications.



**Dialight Corporation**

1501 Route 34 South • Farmingdale, NJ 07727 USA

Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • www.dialight.com



MDEL558LCHE001\_A

### LOW CURRENT-DIFFUSED

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	If typ. (mA)	Vf typ. (V)	Viewing Angle 2Ø 1/2	Max. forward current (mA)	Termination
558-1101-001	Red	635	1.6	2	1.7	60	7	Straight terminals
558-1201-001	Yellow	585	1.6	2	1.8	60	7	Straight terminals
558-1301-001	Green	565	1.6	2	1.9	60	7	Straight terminals
558-1101-003	Red	635	1.6	2	1.7	60	7	6 inch wire leads
558-1201-003	Yellow	585	1.6	2	1.8	60	7	6 inch wire leads
558-1301-003	Green	565	1.6	2	1.9	60	7	6 inch wire leads
558-1101-007	Red	635	1.6	2	1.7	60	7	14 inch wire leads
558-1201-007	Yellow	585	1.6	2	1.8	60	7	14 inch wire leads
558-1301-007	Green	565	1.6	2	1.9	60	7	14 inch wire leads

Typical Operating Characteristics (Ta=25°C)

### HIGH EFFICIENCY-DIFFUSED

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	If typ. (mA)	Vf typ. (V)	Viewing Angle 2Ø 1/2	Max. forward current (mA)	Termination
558-0101-001	Red	650	10	10	2.0	55	20	Straight terminals
558-0201-001	Green	563	16	10	2.1	55	25	Straight terminals
558-0301-001	Yellow	585	10	10	2.1	55	20	Straight terminals
558-0401-001	Orange	600	7	10	1.9	60	25	Straight terminals
558-0803-001	Blue	465	13	10	3.5	70	20	Straight terminals
558-1801-001	Red	660	30	10	1.8	60	40	Straight terminals
558-0101-003	Red	650	10	10	2.0	55	20	6 inch wire leads
558-0201-003	Green	563	16	10	2.1	55	25	6 inch wire leads
558-0301-003	Yellow	585	10	10	2.1	55	20	6 inch wire leads
558-0401-003	Orange	600	7	10	1.9	60	25	6 inch wire leads
558-0803-003	Blue	465	13	10	3.5	70	20	6 inch wire leads
558-1801-003	Red	660	30	10	1.8	60	40	6 inch wire leads
558-0101-007	Red	650	10	10	2.0	55	20	14 inch wire leads
558-0201-007	Green	563	16	10	2.1	55	25	14 inch wire leads
558-0301-007	Yellow	585	10	10	2.1	55	20	14 inch wire leads
558-0401-007	Orange	600	7	10	1.9	60	25	14 inch wire leads
558-0803-007	Blue	465	13	10	3.5	70	20	14 inch wire leads
558-1801-007	Red	660	30	10	1.8	60	40	14 inch wire leads

Typical Operating Characteristics (Ta=25°C)

## LED Panel Mount Indicator Selection

Dialight's line of LED Panel Mount Indicators are available in a variety of sizes and options.

Please visit our website for more information. [www.dialight.com](http://www.dialight.com)

- ▶ .156" (3.96mm) *558 Series*
- ▶ .250" (6.35mm) *559 Series*
- ▶ 5mm *605 Series*
- ▶ 6mm *606 Series*
- ▶ 7mm *607 Series*
- ▶ 8mm *608 Series*
- ▶ 9mm *609 Series*
- ▶ 10mm *610 Series*
- ▶ 11/16" Watertight *557 Series*
- ▶ 1" Watertight *556 Series*

**Dialight Corporation**

1501 Route 34 South • Farmingdale, NJ 07727 USA

Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • [www.dialight.com](http://www.dialight.com)



MDEL558LCHE001\_A