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Part Number: **5596201007F**

General Description

Color	 Green
Series	559
Configuration	Daylight Viewable Snap-In PMI
Description	Green Snap-In LED, .250" Mounting Hole Indicator
Housing	Black PBT, UL94V-0
Keywords	Daylight
LED Type	Ultra Bright Snap-In LED
Mounting Method	Snap In
Compliance	Daylight-Front of Panel, UL94V-0
Termination	24 AWG, 14" Wire Lead
Mounting Hole Size	.250"
Panel Thickness	0.031" - 0.062"
Lens Material	Non-Tinted
Diffused	Non-Diffused
Luminous Intensity Typical	2200
Forward Current mA	30 mA
Voltage	3.5 VDC
Operating Temperature	-30 +85
Storage Temperature	-40 +100

Dialight

559 Series - Daylight Viewable Snap-in LED - .250" Mounting Hole Panel Mount Indicators



FEATURES / BENEFITS

- ▲ RoHS compliant
- ▲ Long life - typically 100K hours
- ▲ High Brightness for daylight viewing
- ▲ Non-tinted/Non-diffused
- ▲ 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

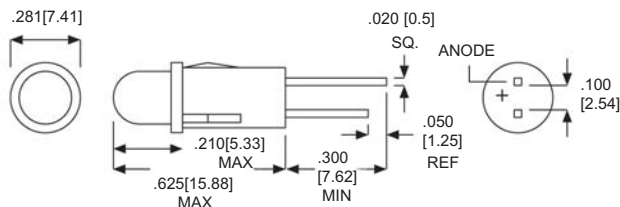
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolored and integral resistors. These indicators are designed for a variety of applications such as:

- 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: 0.249 - 0.252" (6.32 - 6.40 mm)
- ▲ Panel thickness: 0.031 - 0.062" (.787 - 1.57 mm)
- ▲ Housing: Black housing material meets UL94V-0 and enhances LED contrast
- ▲ *Operating temperature: -30°C to +85°C
- ▲ *Storage temperature: -40°C to +100°C
- ▲ Electrical connection
Straight terminals for wire wrapping or either 6 or 14 inch 24 AWG lead wire

STRAIGHT TERMINALS - TERMINATION OPTION 001

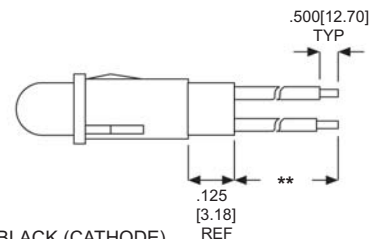


Dimensions in inches [mm]

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

**24 AWG 6" WIRE LEADS - TERMINATION OPTION 003

**24 AWG 14" WIRE LEADS - TERMINATION OPTION 007



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

* Based on LED color -
Contact factory for details

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

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NON-TINTED/NON-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	RoHS Compliant
559-5901-001F	Amber	592	3100	20	2.0	15	50	Straight terminals	✓
559-6001-001F	Blue	470	1500	20	3.6	30	30	Straight terminals	✓
559-6101-001F	Red	635	2100	20	1.9	15	50	Straight terminals	✓
559-6201-001F	Green	525	2200	20	3.5	30	30	Straight terminals	✓
559-6301-001F	Orange	605	1300	20	1.9	15	45	Straight terminals	✓
559-6401-001F	White	*	600	20	3.5	45	30	Straight terminals	✓
559-5901-003F	Amber	592	3100	20	2.0	15	50	6 inch wire leads	✓
559-6001-003F	Blue	470	1500	20	3.6	30	30	6 inch wire leads	✓
559-6101-003F	Red	635	2100	20	1.9	15	50	6 inch wire leads	✓
559-6201-003F	Green	525	2200	20	3.5	30	30	6 inch wire leads	✓
559-6301-003F	Orange	605	1300	20	1.9	15	45	6 inch wire leads	✓
559-6401-003F	White	*	600	20	3.5	45	30	6 inch wire leads	✓
559-5901-007F	Amber	592	3100	20	2.0	15	50	14 inch wire leads	✓
559-6001-007F	Blue	470	1500	20	3.6	30	30	14 inch wire leads	✓
559-6101-007F	Red	635	2100	20	1.9	15	50	14 inch wire leads	✓
559-6201-007F	Green	525	2200	20	3.5	30	30	14 inch wire leads	✓
559-6301-007F	Orange	605	1300	20	1.9	15	45	14 inch wire leads	✓
559-6401-007F	White	*	600	20	3.5	45	30	14 inch wire leads	✓

Typical Operating Characteristics (Ta=25°C)

* White Color Coordinates		
	Min	Max
X	0.23	0.39
Y	0.22	0.42

LED Panel Mount Indicator Selection

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

- ▶ .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*

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