**559 Rectangle Series**

Snap-in LED

0.216 x 0.139" (5.49 x 3.53 mm) Mounting Hole

**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!

**Mechanical Information**

- **Mounting Hole Size:** 0.216 ± .002" x 0.139 ± .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

**Dimensions**

<table>
<thead>
<tr>
<th>Recommended Mounting Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>.216 ± .002 [5.49 ± .05]</td>
</tr>
<tr>
<td>.139 ± .002 [3.53 ± .05]</td>
</tr>
</tbody>
</table>

**Press-Fit Tabs**

- **.078 [2.00]**
- **.158 [4.00]**
- **.240 [6.10]**
- **.830 [20.6]**
- **.500 [12.7]**

**Position 1**
- Cathode

**Position 2**
- Anode

**24 AWG-UL1061**

**20 AWG-UL1061**

**Position 1 (Black Wire)**
- Red-Orange Cathode (R-O/G LED)
- Yellow Cathode (Y-G/Y LED)

**Position 2 (Red Wire)**
- Green Cathode (R-G/G LED)
- Yellow-Green Cathode (Y-G/Y LED)

**Single Color LED Schematic**

**Bicolor LED Schematic**

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... and many more!
# Ordering Information  559 Rectangle Series

## Part Number Guide

<table>
<thead>
<tr>
<th>Color</th>
<th>Termination</th>
<th>RoHS Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 0</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>2 0</td>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>3 0</td>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>1 2</td>
<td>Red-Orange / Green</td>
<td>24 AWG 14&quot; wire leads</td>
</tr>
<tr>
<td>3 2</td>
<td>Yellow-Green / Yellow</td>
<td></td>
</tr>
</tbody>
</table>

## Part Number and Color Guide

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Color</th>
<th>Peak Wavelength (nm)</th>
<th>Intensity Typ. (mcd)</th>
<th>If Typ. (mA)</th>
<th>Vf Typ. (V DC)</th>
<th>Viewing Angle</th>
<th>Max DC Forward Current (mA)</th>
<th>Operating Temp</th>
<th>Storage Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>559-8100-007F</td>
<td>Red</td>
<td>635</td>
<td>125</td>
<td>2.0</td>
<td>104</td>
<td>30</td>
<td>-55 °C to +100 °C</td>
<td>-55 °C to +100 °C</td>
<td></td>
</tr>
<tr>
<td>559-8200-007F</td>
<td>Green</td>
<td>565</td>
<td>120</td>
<td>2.1</td>
<td>104</td>
<td>30</td>
<td>-20 °C to +100 °C</td>
<td>-55 °C to +100 °C</td>
<td></td>
</tr>
<tr>
<td>559-8300-007F</td>
<td>Yellow</td>
<td>585</td>
<td>140</td>
<td>2.1</td>
<td>104</td>
<td>20</td>
<td>-55 °C to +100 °C</td>
<td>-55 °C to +100 °C</td>
<td></td>
</tr>
<tr>
<td>559-8120-007F</td>
<td>Red-Orange / Green</td>
<td>630 / 565</td>
<td>90 / 40</td>
<td>2.1</td>
<td>140</td>
<td>30</td>
<td>-55 °C to +100 °C</td>
<td>-55 °C to +100 °C</td>
<td></td>
</tr>
<tr>
<td>559-8320-007F</td>
<td>Yellow-Green / Yellow</td>
<td>570 / 591</td>
<td>30 / 50</td>
<td>2.1</td>
<td>120</td>
<td>20</td>
<td>-30 °C to +85 °C</td>
<td>-40 °C to +100 °C</td>
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</tbody>
</table>