Dialight
Signals & Components

www.dialightsignalsandcomponents.com



678 SERIES

# 8mm High Intensity Panel Mount Indicators

## MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:
0.323" (8.2 mm) [Fig. 1 & 2];
0.335" (8.5 mm) [Fig. 3]

MAX PANEL THICKNESS:
see part number table

MOUNTING TORQUE:
0.271 lbs/ft (3 kg/cm) [Fig. 1 & 2]
0.362 lbs/ft (5 kg/cm) torque [Fig. 3]

OPERATING VOLTAGE:
2 & 3.3 V DC [Fig. 1 & 2]; 6, 12 & 24 V DC [Fig. 3]
(no resistor required)

OPERATING TEMP:
-20 °C to +75 °C (-4°F to 167°F)

STORAGE TEMP:
-40°C to +100°C (-40°F to 212°F)

ELECTRICAL CONNECTION:
Straight leads [Fig. 1 & 2]; Solder terminals or 6" wire leads [Fig. 3]

HOUSING:
Protruding: Chrome plated brass; Internal position: Polycarbonate

TERMINALS: Copper – Nickel Plated

LOCK WASHER: Iron – Nickel Plated

NUT: Brass – Nickel Plated

## CERTIFICATIONS & RATINGS

RoHS compliant
IP66 (protruding type only)

## APPLICATION

The 678 Series LED Panel Mount Indicators are designed for a variety of applications such as:

- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

## DIMENSIONS inches [mm]

FIGURE 1

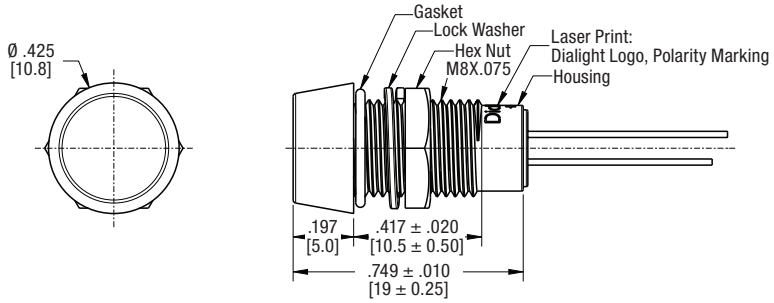
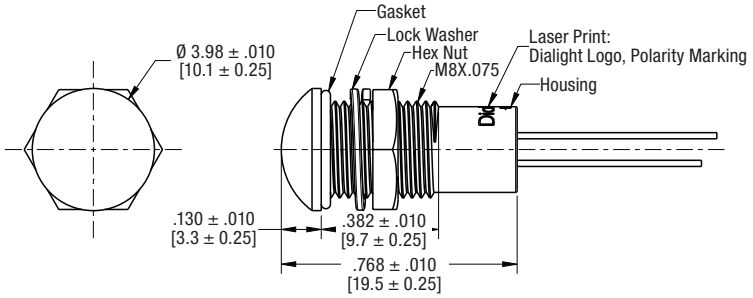


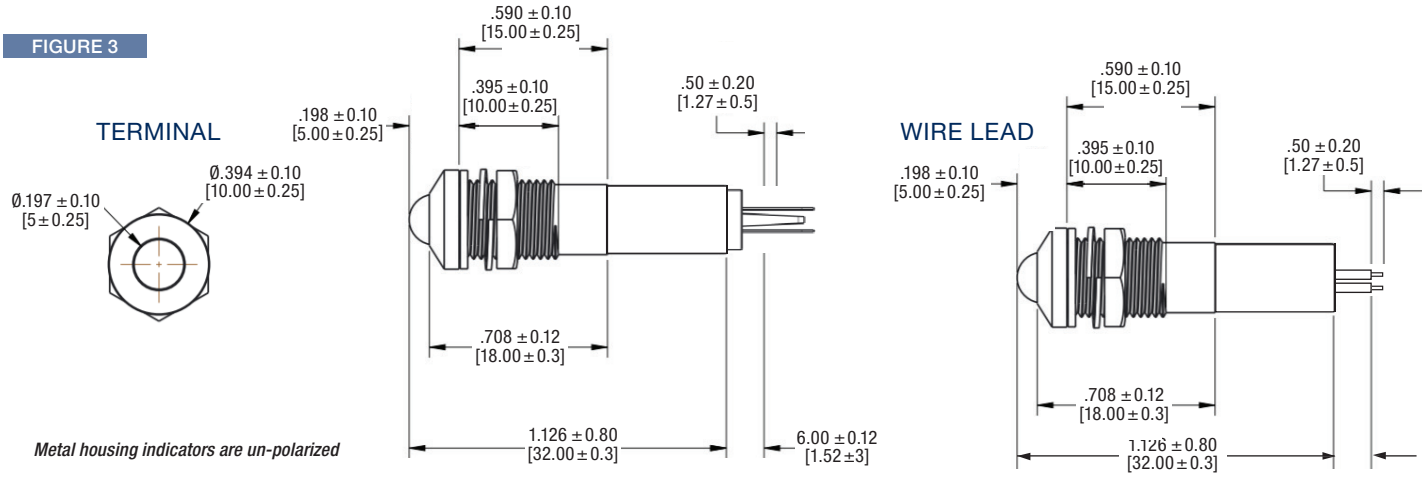

FIGURE 2




*These indicators are un-polarized*

## DIMENSIONS inches [mm]

FIGURE 3




*Metal housing indicators are un-polarized*

## ORDERING INFORMATION

| Part Number Straight Leads | Color | Voltage (V DC) | Current (mA) | Typical Intensity (mcd) | Viewing Angle | LED Position | Fig. # | Mount Style | Panel Thickness |
|---|---|---|---|---|---|---|---|---|---|
| **Polycarbonate** | | | | | | | | | |
| 678-1131-111F | Red | 2 | 15 | 2210 | 4 | Internal | 1 | Lock washer & nut | .2165" (5.5 mm) |
| 678-1231-112F | Green | 3.3 | | 46860 | | | | | |
| 678-1331-113F | Orange | 2 | | 2210 | | | | | |
| 678-1431-114F | Blue | 3.3 | | 7100 | | | | | |
| 678-3131-111F | Red | 2 | | 3020 | 40 | | 2 | | |
| 678-3231-112F | Green | 3.3 | | 30600 | 20 | | | | |
| 678-3331-113F | Orange | 2 | | 3260 | 20 | | | | |
| 678-3431-114F | Blue | 3.3 | | 4360 | 40 | | | | |

**White Nickel**

| Part Number Terminals | Part Number Wire Leads | Color | Voltage (V DC) | Current (mA) | Typical Intensity (mcd) | Viewing Angle | LED Position | Fig. # | Mount Style | Panel Thickness |
|---|---|---|---|---|---|---|---|---|---|---|
| 678-1112-321F | 678-1115-321F | Red | 6 | 15 | 320 | 20 | Protruding | 3 | Lock washer & nut | .3158" (8.0 mm) |
| 678-1212-322F | 678-1215-322F | Green | | | 2920 | | | | | |
| 678-1312-323F | 678-1315-323F | Orange | | | 490 | | | | | |
| 678-1412-324F | 678-1415-324F | Blue | | | 220 | | | | | |
| 678-1112-331F | 678-1115-331F | Red | 12 | | 320 | | | | | |
| 678-1212-332F | 678-1215-332F | Green | | | 2920 | | | | | |
| 678-1312-333F | 678-1315-333F | Orange | | | 490 | | | | | |
| 678-1412-334F | 678-1415-334F | Blue | | | 220 | | | | | |
| 678-1112-341F | 678-1115-341F | Red | 24 | | 320 | | | | | |
| 678-1212-342F | 678-1215-342F | Green | | | 2920 | | | | | |
| 678-1312-343F | 678-1315-343F | Orange | | | 490 | | | | | |
| 678-1412-344F | 678-1415-344F | Blue | | | 220 | | | | | |

RoHS compliant

Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.dialightsignalsandcomponents.com

Warranty Statement: Except for the warranty expressly provided for at: www.dialight.com/resources/warranties/, Dialight disclaims any and all other warranties, express or implied, including, without limitation, any warranties of merchantability, fitness for a particular purpose, title, and noninfringement.