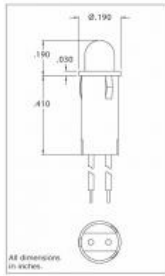


## Products

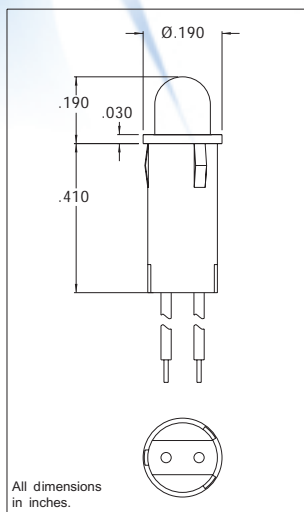
### LED Indicators

CML IT offers panel mount indicators manufactured with LED, Neon or Incandescent light sources. These indicators are available in a number of different lens and termination styles, with voltages of 2V ~ 250V available off-the-shelf.

|  |   |
|--|---|
|  | <p> <b>Part Number:</b> 5110F1-12V<br/> <b>Serial Number:</b> 5110<br/> <b>Mounting hole (inch):</b> 5/32"<br/> <b>Mounting hole (metric):</b> 3.97mm<br/> <b>Indicator type:</b><br/> <b>Mounting type:</b><br/> <b>Bezel type:</b><br/> <b>Bezel material:</b><br/> <b>Bezel color:</b><br/> <b>Bezel size:</b><br/> <b>Protection:</b><br/> <b>Lens type:</b><br/> <b>Lens color:</b> Red Diffused<br/> <b>Lens size:</b><br/> <b>Connector tpe:</b> 6.0" 24 AWG wire<br/> <b>Connector number:</b><br/> <b>Connector for lamp test:</b><br/> <b>Number LED chip:</b><br/> <b>Indicator color:</b> red<br/> <b>Dom wave length:</b><br/> <b>Peak wave length (mA):</b> 635.0<br/> <b>Op. voltage (V):</b> 12.0<br/> <b>Forward volt max:</b> 15.0<br/> <b>Rectifier:</b><br/> <b>AC current:</b><br/> <b>DC current:</b> 13.0<br/> <b>Lum in min (mcd):</b> 2.1<br/> <b>Lum in type (DC):</b> 8.0<br/> <b>Voltage type (%):</b><br/> <b>Op. temperature (°C):</b><br/> <b>Storage temperature (°C):</b><br/> <b>Narrative:</b><br/> <b>Viewing angle (°):</b> 60<br/> <b>RoHS Status:</b> Yes         </p> |
|--|---|

**5110F Series Panel Mounted LED Indicator Light**

**DESCRIPTION AND FEATURES**



**Features**

- Super Brite T-1 LED
- Diffused lens allows wide angle viewing.
- Low current -only 2 mA.
- Built-in chip resistor operates directly off 5 and 12 volt supply , no external resistor needed.

Mounting: Will snap-fit into Ø.155/.158 hole in panels .031/.062 thick\*

Wire Leads: No.24 AWG, 6" long, stripped .250

Anode(+): Red lead

Housing: Black Nylon

\*We recommend using an installation tool to press against flange of housing rather than LED.

All dimensions in inches.

**ELECTRO-OPTICAL CHARACTERISTICS**

| Part Number | Color  | Typ. Intensity (mcd) | Rated Current (mA) | Continuous Forward Current Max. (mA) | Forward Voltage Typ. (V) | Forward Voltage Max. (V) | Peak Forward Current @ 1ms-300pps (A) | Reverse Break-down Voltage Min. (V) | Peak Wavelength (nm) |
|-------------|--------|----------------------|--------------------|--------------------------------------|--------------------------|--------------------------|---------------------------------------|-------------------------------------|----------------------|
| 5110F1      | Red    | 10                   | 10                 | 30                                   | 2.0                      | 3.0                      | 1.0                                   | 5                                   | 635                  |
| 5110F3      | Amber  | 7                    | 10                 | 25                                   | 2.0                      | 3.0                      | .09                                   | 5                                   | 603                  |
| 5110F5      | Green  | 16                   | 20                 | 30                                   | 2.2                      | 3.0                      | .09                                   | 4                                   | 562                  |
| 5110F7      | Yellow | 6.3                  | 20                 | 30                                   | 2.1                      | 3.0                      | 1.0                                   | 5                                   | 585                  |
| 5110F1LC    | Red    | 2.5                  | 2                  | 7                                    | 1.8                      | 2.2                      | .007                                  | 5                                   | 635                  |
| 5110F5LC    | Green  | 2.1                  | 2                  | 7                                    | 1.8                      | 2.2                      | .007                                  | 5                                   | 565                  |
| 5110F7LC    | Yellow | 1.8                  | 2                  | 7                                    | 1.9                      | 2.7                      | .007                                  | 5                                   | 583                  |
| 5110F1-5V   | Red    | 8.0                  | 10                 | 20                                   | 5                        | 7.5                      | -                                     | 5                                   | 655                  |
| 5110F3-5V   | Amber  | 8.0                  | 10                 | 15                                   | 5                        | 7.5                      | -                                     | 5                                   | 583                  |
| 5110F5-5V   | Green  | 8.0                  | 10                 | 15                                   | 5                        | 7.5                      | -                                     | 5                                   | 565                  |
| 5110F1-12V  | Red    | 8                    | 13                 | 20                                   | 12                       | 15                       | -                                     | 5                                   | 655                  |
| 5110F3-12V  | Amber  | 8                    | 13                 | 20                                   | 12                       | 15                       | -                                     | 5                                   | 583                  |
| 5110F5-12V  | Green  | 8                    | 13                 | 20                                   | 12                       | 15                       | -                                     | 5                                   | 565                  |