



## Products

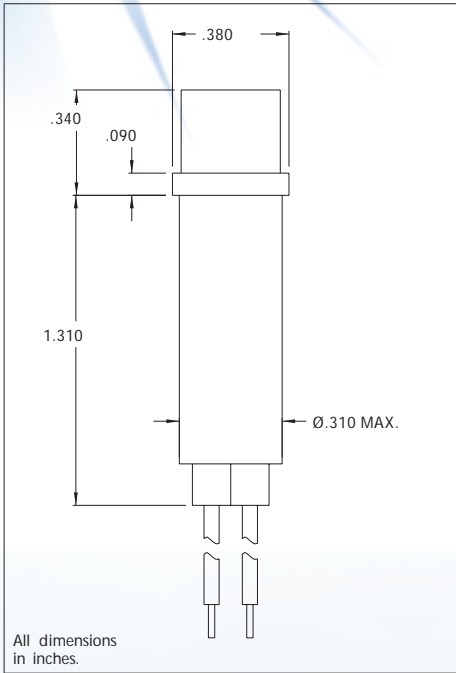
### LED Indicators

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> 2191L1-12V  <b>Serial Number:</b> 2191  <b>Mounting hole (inch):</b> 5/16"  <b>Mounting hole (metric):</b> 7.94mm  <b>Indicator type:</b>  <b>Mounting type:</b>  <b>Bezel type:</b>  <b>Bezel material:</b>  <b>Bezel color:</b>  <b>Bezel size:</b>  <b>Protection:</b>  <b>Lens type:</b>  <b>Lens color:</b> Red  <b>Lens size:</b>  <b>Connector tpe:</b> 4.5" 22 AWG wire  <b>Connector number:</b>  <b>Connector for lamp test:</b>  <b>Number LED chip:</b>  <b>Indicator color:</b> red  <b>Dom wave length:</b>  <b>Peak wave length (mA):</b>  <b>Op. voltage (V):</b> 12.0  <b>Forward volt max:</b>  <b>Rectifier:</b>  <b>AC current:</b>  <b>DC current:</b>  <b>Lum in min (mcd):</b>  <b>Lum in type (DC):</b>  <b>Voltage type (%):</b>  <b>Op. temperature (°C):</b>  <b>Storage temperature (°C):</b>  <b>Narrative:</b>  <b>Viewing angle (°):</b>  <b>RoHS Status:</b> Yes</p>
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**2191L Series Non-Relampable LED Solid-State Indicator Lights**

**DESCRIPTION AND FEATURES**



Solid-state indicator lights complete with built-in current-limiting resistor and rectifier diode.

Mounting: Ø.310 MIN., supplied with push-on speednut SN1287.

Wire Leads: No.22 AWG (105°C) 4.40/4.80 long, stripped .430/.570

Lens: Polycarbonate

Anode(+): Red lead

Bezel: Polished stainless steel. For black finish add "X" after the series letter(s).

Housing: White Nylon

Lens Color	LED Solid State Indicator		
	Model No. (6V)	Model No. (12V)	Model No. (24V)
Red	2191L1-6V	2191L1-12V	2191L1-24V
Green	2191L5-6V	2191L5-12V	2191L5-24V
Yellow	2191L7-6V	2191L7-12V	2191L7-24V
Internal Resistor (ohms)	150	390	1000

Lens Color	Incorporates LED*
Red	4304H1
Green	4304H5
Yellow	4304H7

\* Also incorporates 1N4004 (400 P.I.V.) rectifier diode.

Voltage Table		
Nominal	VAC	VDC
6V	5 to 11	3.5 to 6.5
12V	10 to 20	6 to 13.5
24V	22 to 32	12 to 24

To use 24V model: Beyond 32VAC add 30 ohms per volt; beyond 24 VDC add 50 ohms per volt. Use 1/2W resistor up to 50V; 1W resistor for 50V to 70V; 2W resistor for 75V to 125V. Do not use beyond 125V.