



# PMRL200 Series 0.312" (7.93mm) Recessed LED Panel Indicator



LED indicator with reflective bezel, available with single, bi-color or tri-color  
Voltage: 2VDC - 120VAC, water-tight option

## Key features

- Mounting hole size: 0.312" (7.93mm)
- Maximum panel thickness: .160" (PMRL200), .100" (PMRL200, water-tight)
- Recessed bezel LED
- Reflective chrome plated bronze body
- Voltage: 2-60 VDC or 120VAC
- Terminals: Bi-pin or wire leads (6" wire leads, 24 AWG)
- Available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, single color, bi-color and with integrated resistors
- T-1 3/4 (5mm) LED
- Available in six LED single colors: red, amber, green, orange, blue, and white
- Available in one bi-color: red/green
- Available in two tri-color: red/amber/green or green/amber/red
- Low power consumption - uses up to 90% less energy than an incandescent indicator
- Mounts with hex nut and washer (included)
- Suitable for high vibration applications
- LEDs operate significantly cooler than traditional lamps
- Mean time between failures (MTBF) is equal or more than 100,000 hrs
- LED Operating Temp: -20 to +100C. Voltage and current varies, Please refer to chart.
- Compliant with RoHS and REACH

- Reflective Chrome-Plated Body - Mounting Hardware Provided - For Detailed LED Data, See Discrete Section, MODEL 125
- Maximum Panel Thickness .160"(PMRL200); .100"(PMRL200, Water-Tight)

<b>1</b>	<b>Model</b>	<b>Wires</b>
	PMRL200	W (optional)

### TO ORDER, FOLLOW THE EXAMPLE:

Select one <b>BOLD</b> component from each numbered category in the tables below.								
<b>1</b>	<b>Model</b>	<b>Wire</b>	<b>2</b>	<b>LED</b>	<b>3</b>	<b>Voltage</b>	<b>4</b>	<b>Water Tight</b>
	PMRL200	W		-BCA		12H		

→Part Number **PMRL200W-BCA12H**

STANDARD INTENSITY - DIFFUSED ENCAPSULATION						
<b>2</b>	<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	$I_v^{[1]}$ (mcd)	Viewing Angle	V/C Table <sup>[2]</sup>
	-BR	RED	635	14	60	I
	-BA	AMB	583	16	60	I
	-BG	GRN	565	10	60	I

MEDIUM INTENSITY - TINTED ENCAPSULATION						
<b>2</b>	<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	$I_v^{[1]}$ (mcd)	Viewing Angle	V/C Table <sup>[2]</sup>
	-BCR	RED	635	120	35	I
	-BCA	AMB	583	100	35	I
	-BCG	GRN	565	80	24	I

HIGH INTENSITY - WATERCLEAR ENCAPSULATION						
<b>2</b>	<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	$I_v^{[1]}$ (mcd)	Viewing Angle	V/C Table <sup>[2]</sup>
	-NWR	RED	634	2800	30	I
	-NWO	ORG	605	2000	30	I
	-NWA	AMB	592	2800	30	I
	-NWG	GRN	520	2400	45	II
	-NWB	BLU	465	700	45	II
	-NWW	CWHT		2500	50	II
	-NWL	WWHT		1800	50	II
	-NKR	RED	634	3600	15	I
	-NKO	ORG	605	8000	15	I
	-NKA	AMB	592	3600	15	I
	-NKG	GRN	520	10000	15	II
	-NKB	BLU	465	3000	15	II
	-NKW	CWHT		9200	20	II
	-NKL	WWHT		9200	15	II

SPECIALTY LEDs - DIFFUSED ENCAPSULATION							
<b>2</b>	<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	$I_v^{[1]}$ (mcd)	Viewing Angle	V/C Table <sup>[3]</sup>	<b>Description</b>
	-RLP <sup>[6]</sup>	RED	635	2.3	50	[3]	Low Power
	-ALP <sup>[6]</sup>	AMB	583	2.1	50	[3]	Low Power
	-GLP <sup>[6]</sup>	GRN	565	2.3	50	[3]	Low Power
	-LRG	RED/GRN	660/565	90/40	60	I	Bi-Color, Green Cathode
	-RAG <sup>[7]</sup>	RED/AMB/GRN	630/565	6/6/6	60	I	Tri-Color, Common Cathode
	-GAR <sup>[7]</sup>	GRN/AMB/RED	635/565	5/5/5	50	I	Tri-Color, Common Anode

[1]  $I_v$  = typical luminous intensity @  $I_f = 20\text{mA}$  ( $T_a = 25^\circ\text{C}$ ). For Low Power LEDs,  $I_f = 2\text{mA}$ .

[2] See Voltage/Current table for design specifications. Design current for low power LEDs = 2mA.

[3]  $T_a = 25^\circ\text{C}$ . Voltage "2" indicates external resistor required. Voltages 5H through 60H are VDC. For AC operation, insert D after Voltage (e.g. 24HD). D indicates built-in rectifier, not required for 5H or 120VAC. DC operation not available for 120V. Bi-Color and Tri-Color not available in AC voltages.

[4] Select high intensity LEDs only

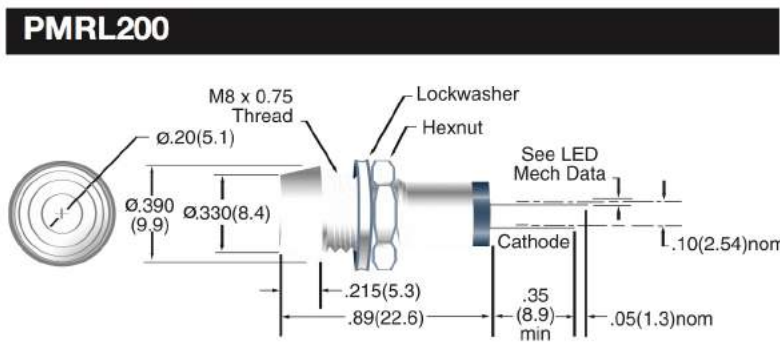
[5] Drip-proof (not submersible), supplied with two neoprene gaskets.

[6] Omit H when selecting a voltage (e.g. PMR200-RLP12).

[7] -RAG Wire Leads: green anode/black cathode/red anode. -GAR Wire Leads: green cathode/black anode/red cathode. Tri-Color 5 or 12 volt, omit H from part number.

<b>3</b>	<b>Voltage</b> <sup>[3]</sup>
	2
	5H
	12H
	15H
	24H
	28H
	48H
	60H
	120 <sup>[4]</sup>

<b>4</b>	<b>Water Tight</b> <sup>[5]</sup>
	-WT (optional)



**Standard Wire Leads:**

6.0" total length(nominal)/.50" stripped (nominal), red anode/black cathode, 24 AWG TPB UL1061 insulation. Contact factory for other lengths, gauges and colors.

**All dimensions are in inches (mm)**

Tolerances: .xx"(.x) ±.025"(.63) / .xxx"(.xx)±.010"(.25)  
Specifications are subject to change without notice.