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)
- Maximums panel thickness: .160” (PMRL200), .100” (PMRL200, water-tight)
- Recessed bezel LED
- Reflective chrome-plated 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
- 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)**

1 Model	Wires
PMRL200	W (optional)

TO ORDER, FOLLOW THE EXAMPLE:

Select one **BOLD** component from each numbered category in the tables below.

1 Model	Wire	2 LED	3 Voltage	4 Water Tight
PMRL200	W	-BCA	12H	

➜Part Number **PMRL200W-BCA12H**

STANDARD INTENSITY - DIFFUSED ENCAPSULATION

2 LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]
-BR	RED	635	14	60	I
-BA	AMB	583	16	60	I
-BG	GRN	565	10	60	I

MEDIUM INTENSITY - TINTED ENCAPSULATION

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]
-BCR	RED	635	120	35	I
-BCA	AMB	583	100	35	I
-BCG	GRN	565	80	24	I

HIGH INTENSITY - WATERCLEAR ENCAPSULATION

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[2]
-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

Voltage/Current

Design Vf/If	Max Vf/If
V/C Table I	
5V/22mA	5.5V/28mA
12V/20mA	14V/25mA
15V/24mA	16.5V/28mA
24V/17mA	26V/20mA
28V/16.5mA	30V/18mA
48V/15mA	50V/16mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

Voltage/Current

Design Vf/If	Max Vf/If
V/C Table II	
5V/15mA	5.5V/23mA
12V/15mA	14V/20mA
15V/15mA	16.5V/18mA
24V/15mA	26V/18mA
28V/15mA	30V/17mA
48V/9.5mA	50V/10mA
60V/7mA	65V/8mA
120VAC/3.5mA	130VAC/4mA

3 Voltage[3]
2
5H
12H
15H
24H
28H
48H
60H
120[4]

4 Water Tight[5]
-WT (optional)

SPECIALTY LEDs - DIFFUSED ENCAPSULATION

LED	Color	λpk (nm)	Iv[1] (mcd)	Viewing Angle	V/C Table[3]	Description
-RLP[6]	RED	635	2.3	50	[3]	Low Power
-ALP[6]	AMB	583	2.1	50	[3]	Low Power
-GLP[6]	GRN	565	2.3	50	[3]	Low Power
-LRG	RED/GRN	660/565	90/40	60	I	Bi-Color, Green Cathode
-RAG[7]	RED/AMB/GRN	630/565	6/6/6	60	I	Tri-Color, Common Cathode
-GAR[7]	GRN/AMB/RED	635/565	5/5/5	50	I	Tri-Color, Common Anode

[1] Iv = typical luminous intensity @ If = 20mA(Ta =25°C). For Low Power LEDs, If = 2mA.
[2] See Voltage/Current table for design specifications. Design current for low power LEDs = 2mA.
[3] Ta = 25°C. Voltage "2" indicates external resistor requird. 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.