

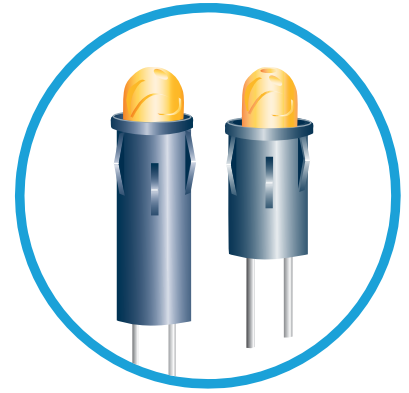


P405 / PR405 Series

0.250" (6.35mm)

Snap-in LED Panel Indicator

Prominent snap-in LED indicator, single or bi-color LED
Voltage: 2VDC - 120VAC



Key features

- Mounting hole size: .249" (6.32mm) to .252" (6.40mm)
- For panels: .031" (.79mm) to .125" (3.18mm)
- Prominent with black bezel that enhances the LED contrast
- 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, bi-color and with integrated resistors
- T-1 3/4 (5mm) LED
- Available in six LED single colors: red, amber, orange, green, blue and white
- Available in one bi-color: red/green.
- Low power consumption - uses up to 90% less energy than an incandescent indicator
- Front panel snap-in mounting requires no additional hardware
- LEDs operate significantly cooler than traditional lamps
- Compliant with RoHS and REACH

TO ORDER, FOLLOW THE EXAMPLE:

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

1	Model	2	LED	3	Voltage
	PR405		-BR		12H

→ Part Number **PR405-BR12H**:

1	Model	Wires	Description
	P405 PR405	W (optional)	Voltage = 2 (External Resistor Required) Voltages 5H - 120

STANDARD INTENSITY - DIFFUSED ENCAPSULATION						
2	LED	Color	λ_{pk} (nm)	$I_v^{[1]}$ (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	λ_{pk} (nm)	$I_v^{[1]}$ (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	λ_{pk} (nm)	$I_v^{[1]}$ (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

SPECIALTY LEDs - DIFFUSED ENCAPSULATION							
	LED	Color	λ_{pk} (nm)	$I_v^{[1]}$ (mcd)	Viewing Angle	V/C Table ^[3]	Description
	-RLP ^[5]	RED	635	2.3	50	[3]	Low Power
	-ALP ^[5]	AMB	583	2.1	50	[3]	Low Power
	-GLP ^[5]	GRN	565	2.3	50	[3]	Low Power
	-LRG	RED/GRN	660/565	90/40	60	I	Bi-Color, Red Cathode

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]

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

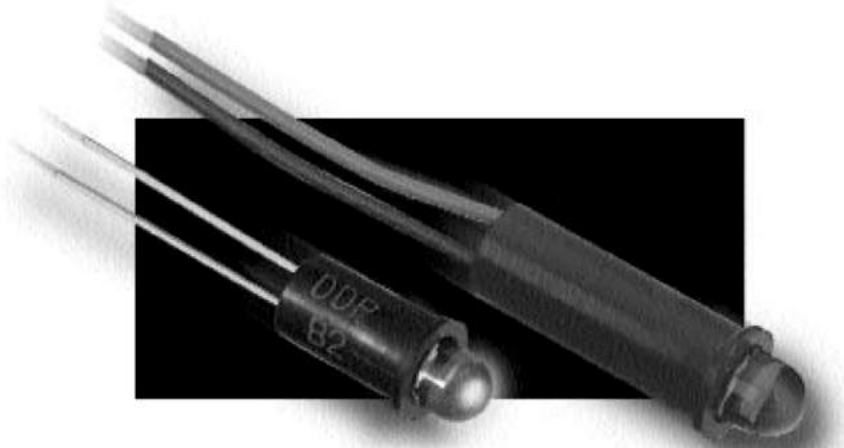
[2] See Voltage/Current table for design specifications. Design current for low power LEDs = 2mA.

[3] $T_a = 25^\circ C$. Voltages 5H through 60H and VDC. For AC operation, insert D after Voltage (e.g. 24HD).

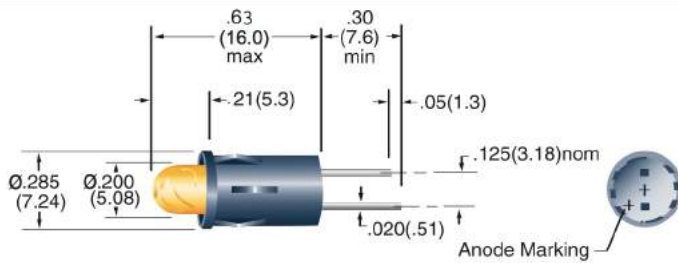
D indicates built-in rectifier, not required for 5H or 120VAC. DC operation

[4] Select high intensity LEDs only.

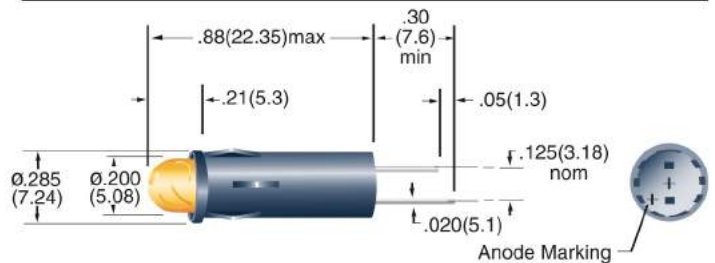
[5] Omit the H when selecting voltage (e.g. PR405-RLP12).



P405



PR405



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.

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