

.250" SNAP-IN PANEL LIGHT



Data Display Products®

T-1^{3/4} Standard Profile

- Mounting Diameter .249"(6.32) to .252"(6.40) - For Panels .031"(.79) to .125" (3.18) Thick - For Detailed LED Data, See Discrete Section, MODEL 200

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)	Iv ^[1] (mcd)	Viewing Angle	V/C Table ^[3]
	-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)	Iv ^[1] (mcd)	Viewing Angle	V/C Table ^[3]
-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)	Iv ^[1] (mcd)	Viewing Angle	V/C Table ^[3]
-NWR	RED	634	5300	30	I
-NWO	ORG	605	2000	30	I
-NWA	AMB	592	5300	30	I
-NWG	GRN	520	2400	45	II
-NWB	BLU	465	700	45	II
-NWW	WHT	[2]	1560	50	II
-NKR	RED	634	6900	15	I
-NKO	ORG	605	8000	15	I
-NKA	AMB	592	6900	15	I
-NKG	GRN	520	10000	15	II
-NKB	BLU	465	3000	15	II
-NKW	WHT	[2]	5600	20	II

SPECIALTY LEDs - DIFFUSED ENCAPSULATION						
LED	Color	λ_{pk} (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, Red Cathode

Voltage/Current	
Design Vf/If	Max Vf/If
V/C Table I	
5V/27mA	5.5V/40mA
12V/27mA	14V/35mA
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	6V/36mA
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^[4]
	2
	5H
	12H
	15H
	24H
	28H
	48H
	60H
	120 ^[5]

[1] Iv = typical luminous intensity @ If = 20mA (Ta=25°C), Low Power LEDs @ If = 2mA.

[2] White is identified by one of four CIE coordinates x:0.290/y:0.260, x:0.290/y:0.305, x:0.330/y:0.365, x:0.330/y:0.320

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

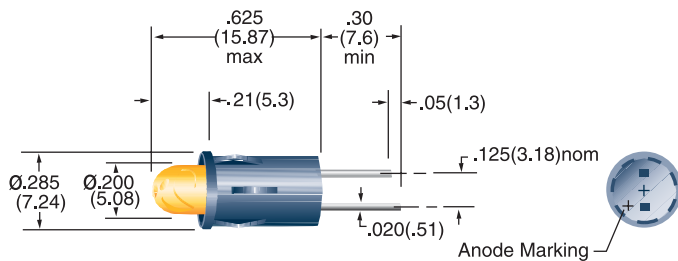
[4] Ta = 25°C. Voltages 5H through 60H and VDC. For AC operation, insert D after Voltage (e.g. 24HD). D indicates built-in rectifier, not required for 15VAC or less or 120VAC. DC operation not available for 120V. Bi-Color not available in AC voltages.

[5] Select high intensity LEDs only.

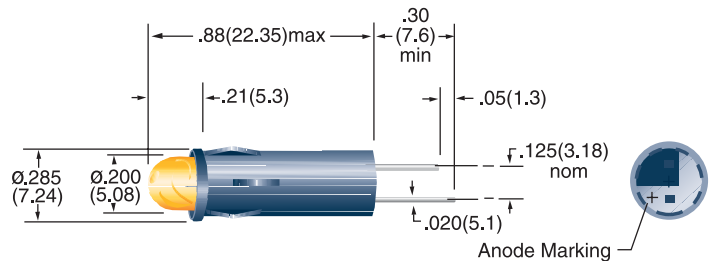
[6] Omit the H when selecting voltage (e.g. PR405-RLP12).



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.