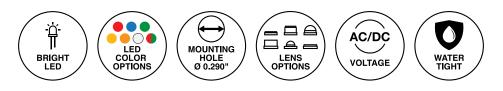


90 Series 0.290" (7.37mm) LED Panel Mount Indicator



90 Series with built-in long life LED offer superior construction and longer life Cartridge, bi-pin and wire leads termination styles

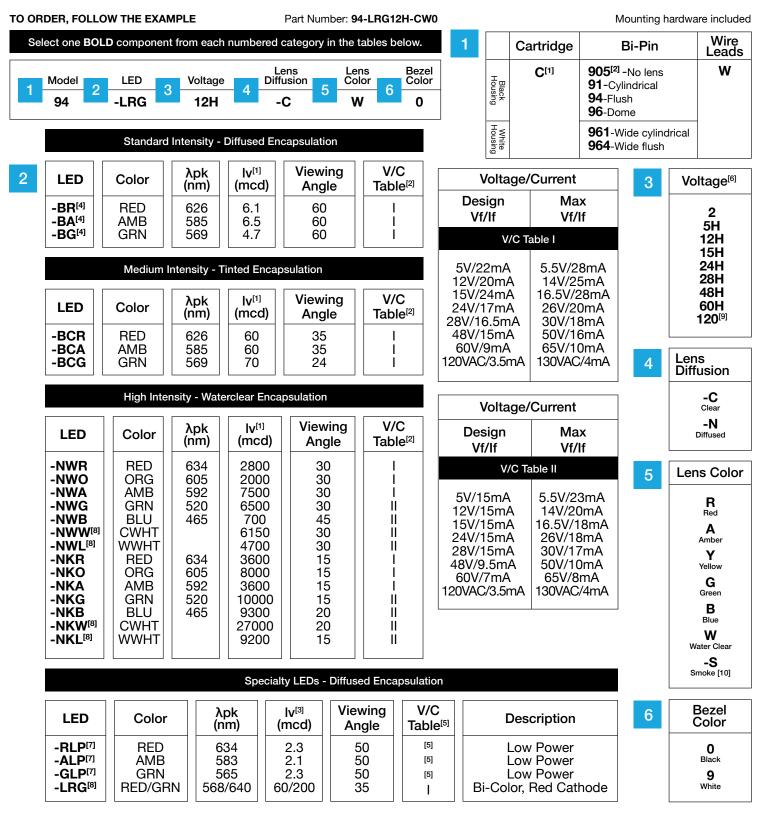


Key features

- Built-in LED can be used with DC circuits (5 to 60 VDC) or 120VAC circuits
- Terminal Styles: cartridge, bi-pin and wire leads (6" 24 AWG wire leads)
- Available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bi-color and with integrated resistors
- Available in six LED solid colors: red, green, white, blue, amber, orange and in one bi-color: red/green with or without lens
- · Seven lens colors available: red, amber, yellow, green, blue, water clear and smoke
- Offered with a variety of lens options: cylindrical, flush, dome, wide cylindrical or wide flush, all featured with fresnel pattern lens which provide excellent light focus and assure maximum light output
- Spring retainer clip and washer (included) secures uniform placement of the indicator to the panel and is ideal for high vibration environments
- · Offered with white or black bezel, where the black bezel enhances LED contrast
- Resistant to shock and vibration
- Mounting hardware provided (spring retainer clip and washer)
- Watertight socket options for splashdown environments
- For use with spring retainer clip (included), socket holder (PS90 or PS90T sold separately) or wiring plug (SH90 or CSH90 sold separately)
- Compliant with RoHS and REACH



Ordering Data



[1] For panel lights mounted in the PS90 or PS90T socket (pg. 5). Mounting hardware is

included with the socket. Do not select the W option. C and standard pins are not solderable.

[2] Model 905 has no lens. Omit Lens Diffusion and Color (e.g. 905 ·BG5H·O).

[3] Iv = typical luminous intensity @ If = 20mA [Ta = 25°C). Iv is measured without lenses. For Low Power LEDs, If = 2mA. [7] Omit H when selecting a voltage (e.g. 91-RLP12-CWO). [4] Use with Model 905 only.

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

[6] Ta = 25°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 not available in AC voltages.

[8] Select -CW or -NW Lens only.

[9] Select high intensity LEDs only

[10] Omit Lens Diffusion when selecting smoked lens (e.g. 91-NWG24H-S0).

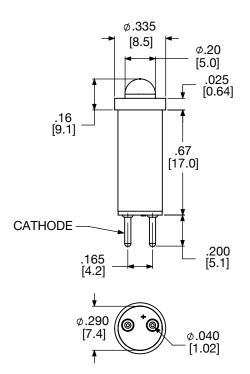


Your first call for illuminated components

03/18 Rev1 90 Series | Page 2 of 9

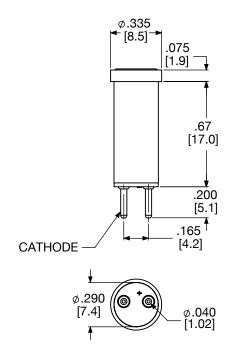
905^[1]

No Lens - Black Housing



94^[1]

Flush Fresnel Lens - Black Housing

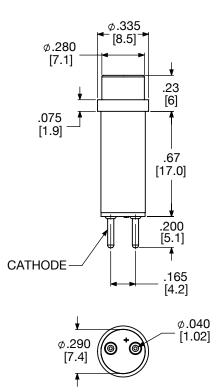


[1] Dimensions for cartridge and bi-pin



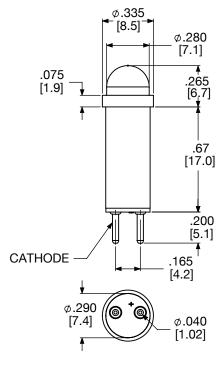
91^[1]

Cylindrical Fresnel Lens - Black Housing



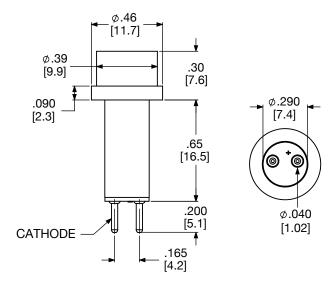
96^[1]

Dome Lens - Black Housing



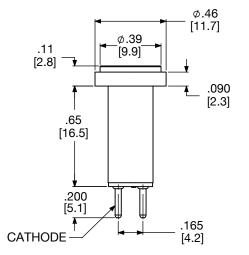
961^[1]

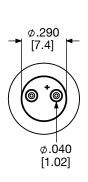
Wide Cylindrical Fresnel Lens - White Housing



964^[1]

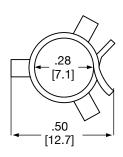
Wide Flush Fresnel Lens - White Housing



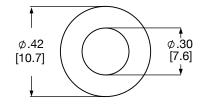


Mounting Hardware (included)

TC9-R-Spring Retainer Clip



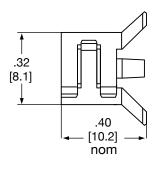
NW5 Mounting Washer

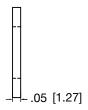


Hardness: 60 Shore A

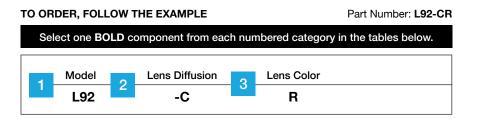
[1] Dimensions for cartridge and bi-pin







Lens, Retaining Collar, Wiring Plug for 90 Series

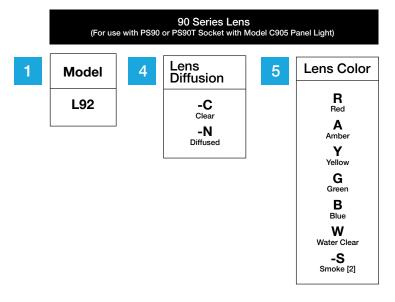


- Mounting Hole Diameter: Ø.375" - Ø.385"

- Panel Thickness: Max: 0.80"

1 Model	Description	Mating Components
L92	90 Series Lens	C905
PS90 ^[1]	90 Series Socket, Solder Terminals	C905, C91, C94, C96, C961, C964
PS90T ^[1]	90 Series Socket, Turret Terminals	C905, C91, C94, C96, C961, C964
RC90-R-	Retaining Collar	PS90, PS90T
RC90-B-R-	Retaining Collar (Black)	PS90, PS90T
SH90	Wiring Plug	Wiring Plug
CSH90	Wiring Plug with collar	905, 91, 94, 96, 961, 964, C905, C91, C94, C96, C961, C964
TC9-R-	90 Series Spring Retainer Clip ^[3]	905, 91, 94, 96, 961, 964, C905, C91, C94, C96, C961, C964
NW5	Mounting Washer (neoprene) ^[3]	905, 91, 94, 96, 961, 964, C905, C91, C94, C96, C961, C964

90 Series Sockets & Hardware





RC90-R-



SH90



L92

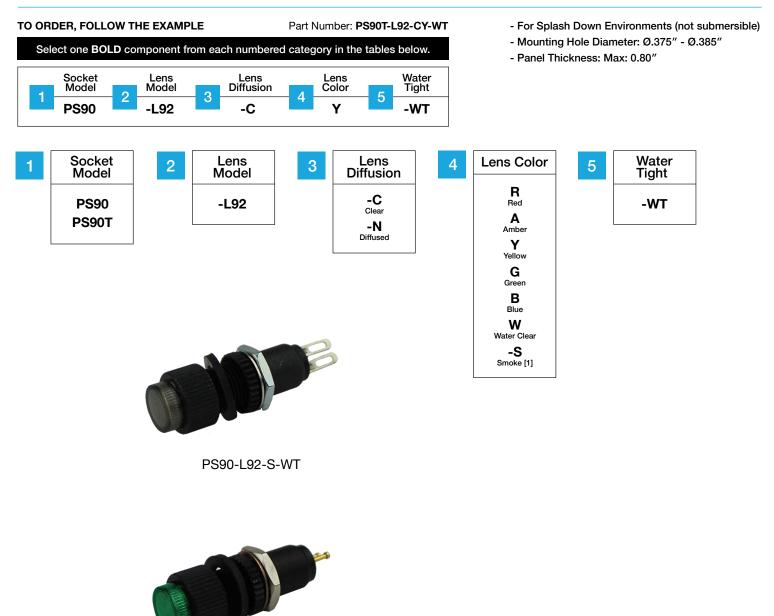
[1] Hardware Assembled, for watertight option see page 6 [2] Omit Lens Diffusion Code (e.g. L92-S).

[3] Mounting hardware included



™ Your first call for illuminated components vcclite.com 1.800.522.5546

Watertight Sockets for model C905 or 905



PS90T-L92-NG-WT

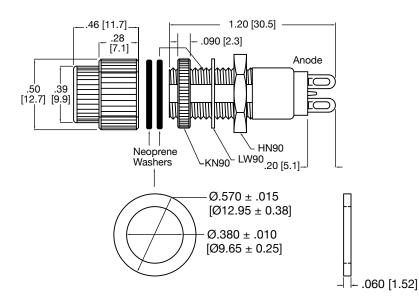
[1] Omit Lens Diffusion Code (e.g. PS90T-L92-S-WT).



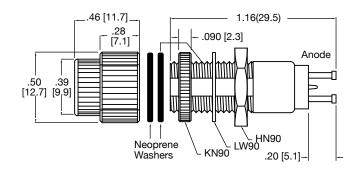
™ Your first call for illuminated components vcclite.com 1.800.522.5546 Dimensions in inches [mm]

03/18 Rev1 90 Series | Page 6 of 9

PS90, Watertight

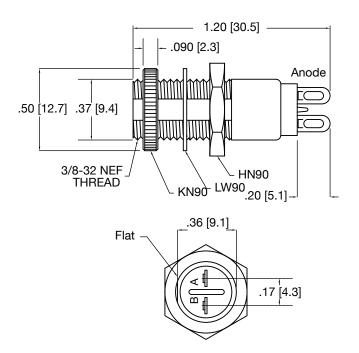


PS90T, Watertight



PS90

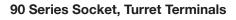
90 Series Socket, Solder Terminals

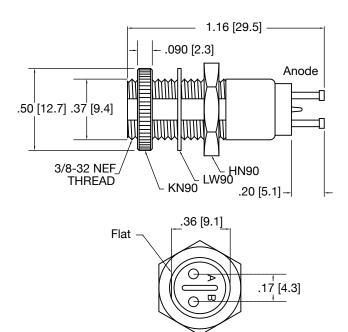


Mounting Hole Diameter

Ø 0.375"/0.385" [Ø 9.525/9.779]

PS90T





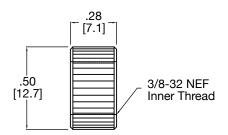
Maximum Panel Thickness

Max: 0.80" [20.32]



RC90-R- (aluminum) RC90-B-R- (black anodized aluminum)

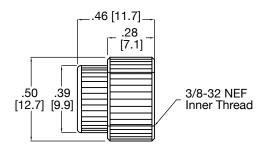
Retaining Collar for PS90 and PS90T



Only for use with PS90, PS90T

L92

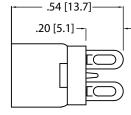
90 Series Lens for PS90, PS90T socket and C905, 905 $\,$

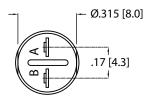


SH90

Wiring Plug



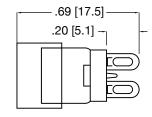


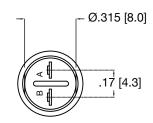


CSH90

Wiring Plug with Collar







Materials		
Housing	Black nylon, except 961 & 964 which are white nylon	
Lens	Lexan	
Pin	Brass	
Wire Leads	Tinned copper conductor TPB insulation	
TC9-R-	High carbon spring steel zinc plate finish	
NW5	Black neoprene	
RC90-R-	Aluminum	
RC90-B-R-	Black Anodized Aluminum	

Installation Specifications		
Mounting Hole	0.290" to 0.291" [7.37 to 7.39]	
Panel Thickness	0.25″ max	
Wire Leads	24 AWG - 300V lead color: red and black 6.0" long min stripped 0.5" nom red anode/black cathode, 24 AWG TPB UL1061 insulation. Contact sales for other lengths, gauges and colors.	

Temperature Specifications		
Operating Temperature	-30°C to 60°C	
Storage Temperature	-40°C to 100°C	

Dimensions in inches [mm]

Compliances and Approvals

