

.190" MOUNT PANEL LIGHTS

30 Series

- Mounting Hardware Provided - For Detailed LED Data, See Discrete Section, MODEL 125

1 Model	Wires
305 ^[1]	W (optional)
31	
34	

TO ORDER, FOLLOW THE EXAMPLE:

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

1 Model	2 LED	3 Voltage	4 Lens Diffusion	5 Lens Color	6 Bezel Color
34	-BCR	24H	-C	R	0

→ Part Number **34-BCR24H-CR0**

STANDARD INTENSITY - DIFFUSED ENCAPSULATION					
2 LED	Color	λ_{pk} (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table ^[3]
-BR	RED	635	14	60	I
-BA	AMB	583	14	60	I
-BG	GRN	565	14	60	I

MEDIUM INTENSITY - TINTED ENCAPSULATION					
LED	Color	λ_{pk} (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table ^[3]
-BCR	RED	635	60	45	I
-BCA	AMB	583	30	45	I
-BCG	GRN	565	44	45	I

HIGH INTENSITY - WATERCLEAR ENCAPSULATION					
LED	Color	λ_{pk} (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table ^[3]
-NWR	RED	634	2180	35/35	I
-NWA	AMB	592	2180	35/35	I
-NWG	GRN	520	2000	45	II
-NWB	BLU	465	600	45	II
-NWW ^[6]	CWHT		2070	60	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 ^[4]
2
5H
12H
15H
24H
28H
48H
60H
120 ^[8]

4 Lens Diffusion
-C
Clear
-N
Diffused

5 Lens Color	
R Red	B Blue
A Amber	W Water Clear
Y Yellow	
G Green	-S Smoke ^[7]

SPECIALTY LEDs						
LED	Color	λ_{pk} (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table ^[3]	Description
-RLP ^[5]	RED	635	2.1	50	[3]	Low Power
-ALP ^[5]	AMB	583	1.6	50	[3]	Low Power
-GLP ^[5]	GRN	565	2.1	50	[3]	Low Power
-DRG ^[6]	RED/GRN	635/567	4.3/3.7	118	I	Bi-Color, Red Cathode

6 Bezel Color
0
Black
9
White

[1] Model 305 has no lens. Omit Lens Diffusion and Color (e.g. 305-NWG5H-0).

[2] I_v = typical luminous intensity @ $I_f = 20\text{mA}$ ($T_a = 25^\circ\text{C}$). I_v is measured without lenses. For Low Power LEDs, $I_f = 2\text{mA}$. For Bi-color LEDs, $I_f = 10\text{mA}$.

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

[4] $T_a = 25^\circ\text{C}$. 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 or greater. DC operation not available for 120V. Bi-Color not available in AC voltages.

[5] Omit H when selecting a voltage (e.g. 31-RLP12).

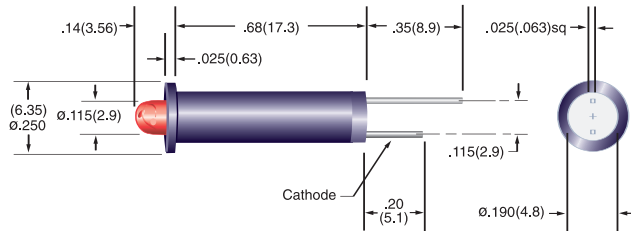
[6] Select -CW or -NW lens only.

[7] Omit Lens Diffusion when selecting smoked lens (e.g. 31-NWG28H-S0).

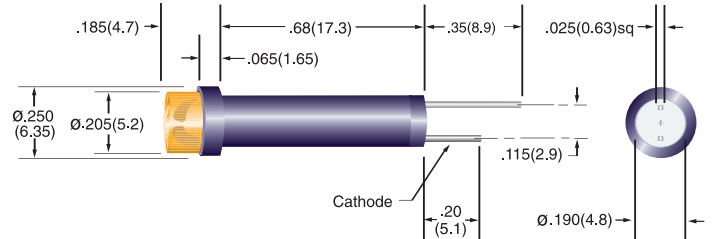
[8] Select high intensity LEDs only.



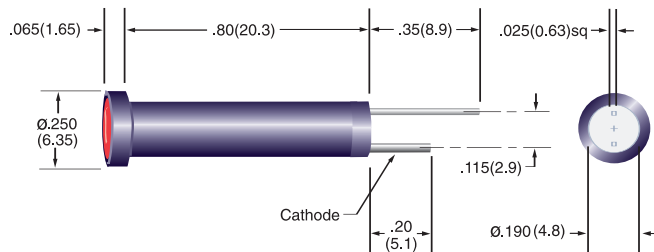
305 (no lens)



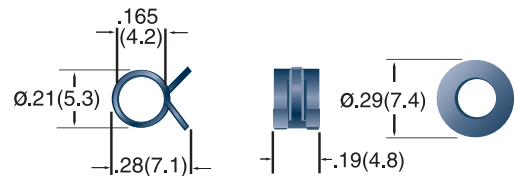
31



34 (flush lens)



TC3 & NW3, Mounting Hardware



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.