

# .190" MOUNT PANEL LIGHTS

## 30 Series

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

<b>1</b>	<b>Model</b>	<b>Wires</b>
	305 <sup>[1]</sup>	<b>W</b>
	31	(optional)
	34	

### TO ORDER, FOLLOW THE EXAMPLE:

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

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

→ Part Number **34-BCR24H-CR0**

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

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

HIGH INTENSITY - WATERCLEAR ENCAPSULATION						
<b>2</b>	<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table <sup>[3]</sup>
	-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 <sup>[6]</sup>	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

<b>3</b>	<b>Voltage</b> <sup>[4]</sup>
	2
	5H
	12H
	15H
	24H
	28H
	48H
	60H
	120 <sup>[8]</sup>

<b>4</b>	<b>Lens Diffusion</b>
	-C Clear
	-N Diffused

<b>5</b>	<b>Lens Color</b>	
	R Red	B Blue
	A Amber	W Water Clear
	Y Yellow	
	G Green	-S Smoke <sup>[7]</sup>

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

<b>6</b>	<b>Bezel Color</b>
	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 @  $I_f = 20mA (T_a = 25^\circ C)$ .  $I_v$  is measured without lenses. For Low Power LEDs,  $I_f = 2mA$ . For Bi-color LEDs,  $I_f = 10mA$ .

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

[4]  $T_a = 25^\circ C$ . 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).

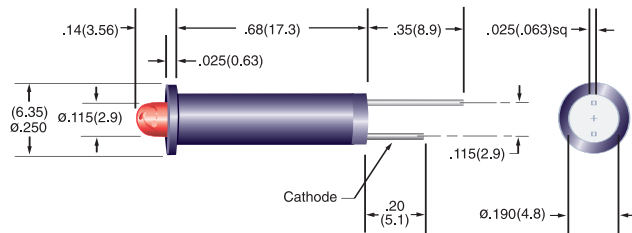
[6] Select -CW or -NW lens only.

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

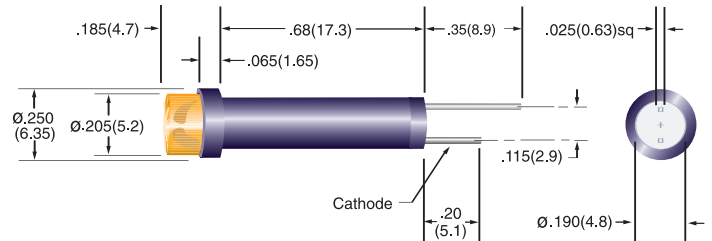
[8] Select high intensity LEDs only.



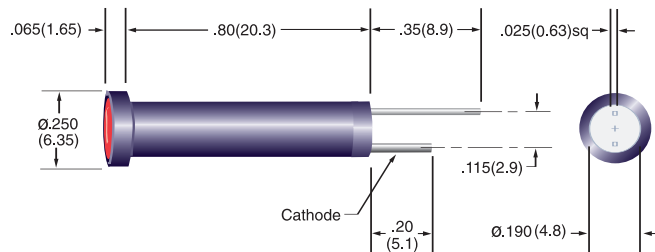
### 305 (no lens)



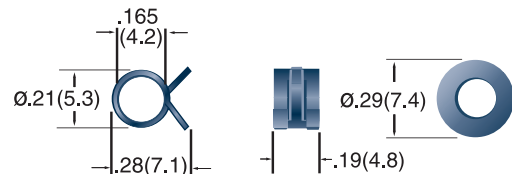
### 31



### 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.