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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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# .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).

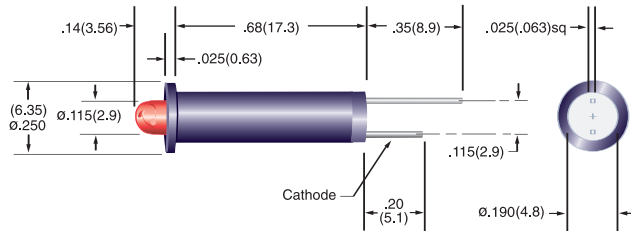
[6] Select -CW or -NW lens only.

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

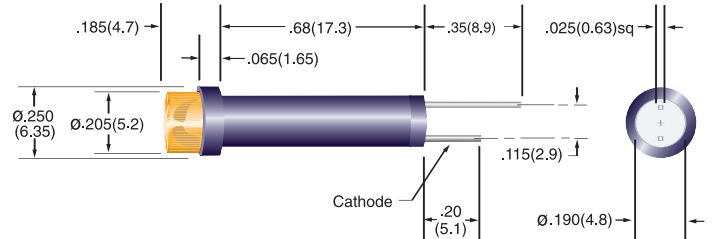
[8] Select high intensity LEDs only.



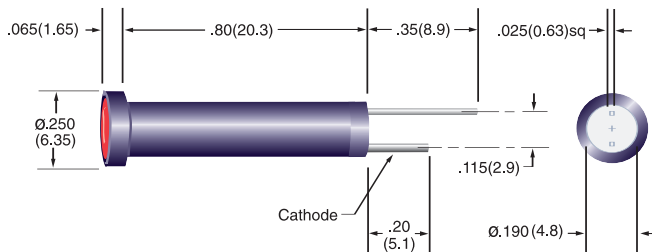
### 305 (no lens)



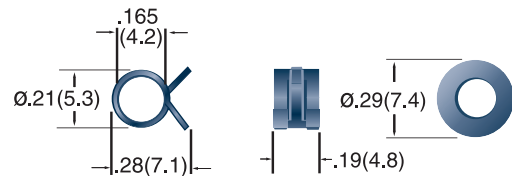
### 31



### 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)  $\pm .025"$ (.63) / .xxx"(.xx) $\pm .010"$ (.25)  
Specifications are subject to change without notice.