

.190" MOUNT PANEL LIGHTS

30 Series

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

| | | |
|----------|--------------------|--------------|
| 1 | Model | Wires |
| | 305 ^[1] | W |
| | 31 | (optional) |
| | 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 | | | | | | |
|---|------------|--------------|------------------------|----------------------|------------------|-----------------------------|
| 2 | 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 | | | | | | |
|---|---------------------|--------------|------------------------|----------------------|------------------|-----------------------------|
| 2 | 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 | | | | | | | |
|----------------|---------------------|--------------|------------------------|----------------------|------------------|-----------------------------|-----------------------|
| 2 | 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 @ If = 20mA (Ta = 25°C). I_v is measured without lenses. For Low Power LEDs, If = 2mA. For Bi-color LEDs, If = 10mA.

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

[4] 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 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).

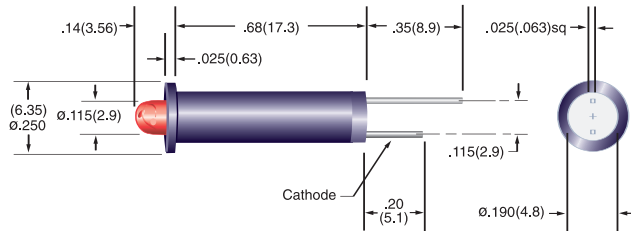
[6] Select -CW or -NW lens only.

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

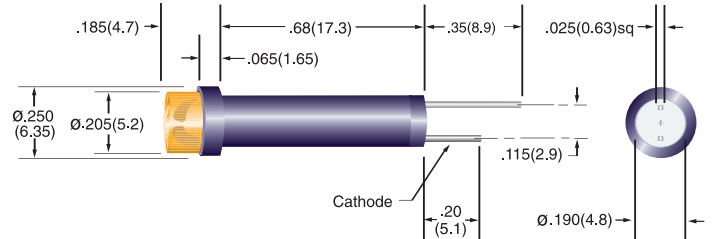
[8] Select high intensity LEDs only.



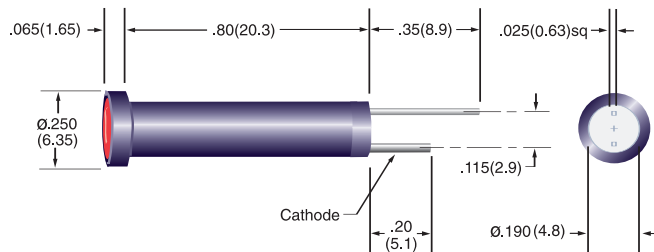
305 (no lens)



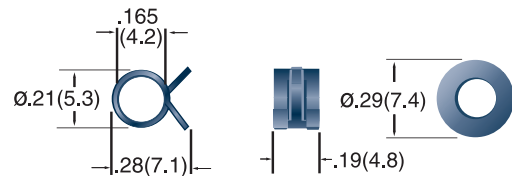
31



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.