



Data Display Products®

# .190" MOUNT PANEL LIGHTS

30 Series

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

| Model              | Wires         |                     | LED   |          |                                     |                     |                  | Voltage <sup>[5]</sup> | Lens           |                           | Bezel Color |  |  |  |
|--------------------|---------------|---------------------|-------|----------|-------------------------------------|---------------------|------------------|------------------------|----------------|---------------------------|-------------|--|--|--|
|                    |               |                     | Color | λpk (nm) | I <sub>v</sub> <sup>[2]</sup> (mcd) | Tint <sup>[3]</sup> | V <sup>[4]</sup> |                        | Diffusion      | Color                     |             |  |  |  |
| 305 <sup>[1]</sup> | W<br>Optional | -ER                 | RED   | 660      | 48                                  | D                   | I                | 2                      | -C             | R                         | 0           |  |  |  |
| 31                 |               | -ECR                | RED   | 660      | 60                                  | C                   | I                | 5H                     | Clear          | Red                       | Black       |  |  |  |
| 34                 |               | -PCR                | RED   | 660      | 80                                  | C                   | I                | 12H                    | -N<br>Diffused | A<br>Amber                | 9<br>White  |  |  |  |
|                    |               | -RQ                 | RED   | 654      | 340                                 | W                   | I                | 15H                    |                |                           |             |  |  |  |
|                    |               | -BR                 | RED   | 635      | 14                                  | D                   | I                | 24H                    |                |                           |             |  |  |  |
|                    |               | -BCR                | RED   | 635      | 60                                  | C                   | I                | 28H                    |                |                           |             |  |  |  |
|                    |               | -EA                 | ORG   | 605      | 18                                  | D                   | I                | 48H                    |                |                           |             |  |  |  |
|                    |               | -ECA                | ORG   | 605      | 24                                  | C                   | I                | 60H                    |                | Y<br>Yellow               |             |  |  |  |
|                    |               | -PCA                | ORG   | 605      | 40                                  | C                   | I                | 120 <sup>[6]</sup>     |                |                           |             |  |  |  |
|                    |               | -AQ                 | AMB   | 592      | 200                                 | W                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -BA                 | AMB   | 583      | 14                                  | D                   | I                |                        |                | G<br>Green                |             |  |  |  |
|                    |               | -BCA                | AMB   | 583      | 30                                  | C                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -EAY                | AMB   | 580      | 18                                  | D                   | I                |                        |                | B<br>Blue                 |             |  |  |  |
|                    |               | -ECAY               | AMB   | 580      | 24                                  | C                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -PCAY               | AMB   | 580      | 40                                  | C                   | I                |                        |                | W<br>Water Clear          |             |  |  |  |
|                    |               | -EY                 | YEL   | 570      | 30                                  | D                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -ECY                | YEL   | 570      | 48                                  | C                   | I                |                        |                | S <sup>[8]</sup><br>Smoke |             |  |  |  |
|                    |               | -PCY                | YEL   | 570      | 60                                  | C                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -BG                 | GRN   | 565      | 14                                  | D                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -BCG                | GRN   | 565      | 44                                  | C                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -EG                 | GRN   | 555      | 8                                   | D                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -ECG                | GRN   | 555      | 15                                  | C                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -PCG                | GRN   | 555      | 20                                  | C                   | I                |                        |                |                           |             |  |  |  |
|                    |               | -NWG                | GRN   | 520      | 1,000                               | W                   | II               |                        |                |                           |             |  |  |  |
|                    |               | -NWB                | BLU   | 465      | 300                                 | W                   | II               |                        |                |                           |             |  |  |  |
| Specialty LEDs     |               |                     |       |          |                                     |                     |                  |                        |                |                           |             |  |  |  |
|                    |               | -RLP <sup>[6]</sup> | RED   | 635      | 2.1                                 | D                   | I <sup>[4]</sup> | Description            |                |                           |             |  |  |  |
|                    |               | -ALP <sup>[6]</sup> | AMB   | 583      | 1.6                                 | D                   | I <sup>[4]</sup> | Low Power              |                |                           |             |  |  |  |
|                    |               | -GLP <sup>[6]</sup> | GRN   | 565      | 2.1                                 | D                   | I <sup>[4]</sup> | Low Power              |                |                           |             |  |  |  |
|                    |               | -RG <sup>[7]</sup>  | R/G   | 630/565  | 5/5                                 | D                   | I                | Bi-Color, Red Cathode  |                |                           |             |  |  |  |

| Voltage/Current |              |
|-----------------|--------------|
| Design<br>Vf/If | Max<br>Vf/If |
| <b>Table I</b>  |              |
| 5V/27mA         | 5.5V/40mA    |
| 12V/27mA        | 14V/35mA     |
| 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   |

| Table II     |            |
|--------------|------------|
| 5V/15mA      | 6V/25Ma    |
| 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 |

- [1] Model 305 has no lens. Omit Lens Diffusion and Color (e.g. 305-RG5H-0).
- [2] I<sub>v</sub> = typical luminous intensity @ If = 20mA (Ta = 25°C). I<sub>v</sub> is measured without lenses. For Low Power LEDs, If = 2mA.
- [3] D = Diffused, C = Clear Tinted, W = Water Clear.
- [4] See Voltage/Current table for design specifications. Design current for low power LEDs = 2mA.
- [5] 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 15H or less, or 120VAC or greater. DC operation not available for 120V. Bi-Color not available in AC voltages.
- [6] Omit H when selecting a voltage (e.g. 31-RLP12).
- [7] Select -CW or -NW lens only.
- [8] Omit Lens Diffusion when selecting smoked lens (e.g. 31-RQ28H-SO).
- [9] Select LED with mcd ≥ 200.

**To Order:**  
**Example:**

Select one **BOLD** component from each SHADED column in the table except as noted.  
**Part Number 34-BCR24H-CR0:**

| Model | LED  | Voltage | Lens      |       | Bezel Color |
|-------|------|---------|-----------|-------|-------------|
|       |      |         | Diffusion | Color |             |
| 34    | -BCR | 24H     | -C        | R     | 0           |

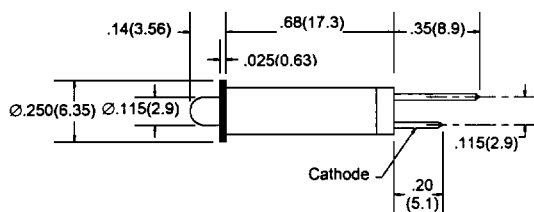
Continued...



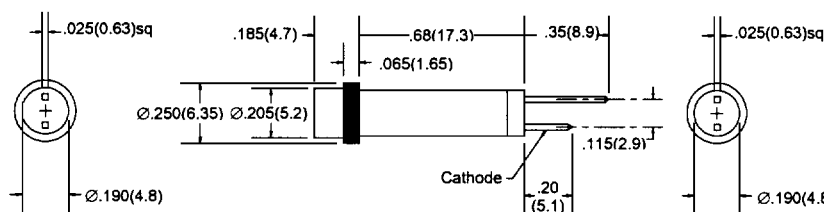
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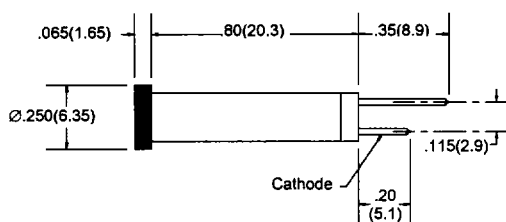
30 Series



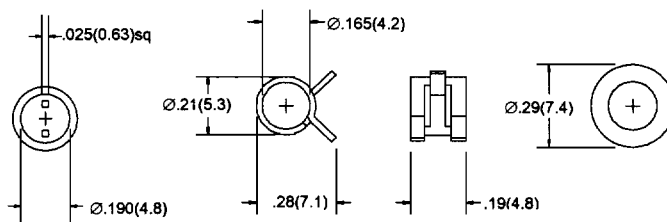
305 (no lens)



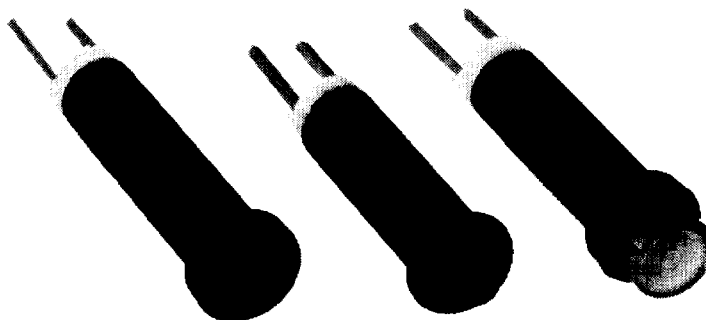
31



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.