

.312" MOUNT PANEL LIGHTS

50 Series

- Mounting Hardware Provided - For Detailed LED Data, See Discrete Section, MODEL 200

| 1 Model | Wires |
|-------------------|------------|
| 51 | W |
| 53 ^[1] | (optional) |
| 54 | |
| 56 | |
| 561 | |
| 564 | |

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 |
|---------|-------|-----------|------------------|--------------|---------------|
| 54 | -ALP | 2 | -C | A | 9 |

→ Part Number **54-ALP2-CA9**

| MEDIUM INTENSITY - TINTED ENCAPSULATION | | | | | |
|---|-------|----------|-------------------------|---------------|--------------------------|
| 2 LED | Color | λpk (nm) | Iv ^[2] (mcd) | Viewing Angle | V/C Table ^[3] |
| -BCR | RED | 635 | 120 | 35 | I |
| -BCA | AMB | 583 | 100 | 35 | I |
| -BCG | GRN | 565 | 80 | 24 | I |

| 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 |

| 3 Voltage ^[4] |
|--------------------------|
| 2 |
| 5H |
| 12H |
| 15H |
| 24H |
| 28H |
| 48H |
| 60H |
| 120 ^[5] |

| HIGH INTENSITY - WATERCLEAR ENCAPSULATION | | | | | |
|---|-------|----------|-------------------------|---------------|--------------------------|
| LED | Color | λpk (nm) | Iv ^[2] (mcd) | Viewing Angle | V/C Table ^[3] |
| -NWR | RED | 634 | 2800 | 30 | I |
| -NWO | ORG | 605 | 2000 | 30 | I |
| -NWA | AMB | 592 | 2800 | 30 | I |
| -NWG | GRN | 520 | 2400 | 45 | II |
| -NWB | BLU | 465 | 700 | 45 | II |
| -NWW ^[7] | CWHT | | 2500 | 50 | II |
| -NWL ^[7] | WWHT | | 1800 | 50 | II |
| -NKR | RED | 634 | 3600 | 15 | I |
| -NKO | ORG | 605 | 8000 | 15 | I |
| -NKA | AMB | 592 | 3600 | 15 | I |
| -NKG | GRN | 520 | 10000 | 15 | II |
| -NKB | BLU | 465 | 3000 | 15 | II |
| -NKW ^[7] | CWHT | | 9200 | 20 | II |
| -NKL ^[7] | WWHT | | 9200 | 15 | II |

| 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 |

| 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 ^[8] |

| SPECIALTY LEDs | | | | | | |
|---------------------|-------------|----------|-------------------------|---------------|--------------------------|---------------------------|
| LED | Color | λpk (nm) | Iv ^[2] (mcd) | Viewing Angle | V/C Table ^[3] | Description |
| -RLP ^[6] | RED | 635 | 2.3 | 50 | [3] | Low Power |
| -ALP ^[6] | AMB | 583 | 2.1 | 50 | [3] | Low Power |
| -GLP ^[6] | GRN | 565 | 2.3 | 50 | [3] | Low Power |
| -LRG ^[7] | RED/GRN | 660/565 | 90/40 | 60 | I | Bi-Color, Red Cathode |
| -RAG ^[7] | RED/AMB/GRN | 630/565 | 6/6/6 | 60 | I | Tri-Color, Common Cathode |
| -GAR ^[7] | GRN/AMB/RED | 635/565 | 5/5/5 | 50 | I | Tri-Color, Common Anode |

| 6 Bezel Color |
|---------------|
| 0 Black |
| 9 White |

[1] Model 53 is available with Clear (-C) Lens only.

[2] Iv = typical luminous intensity @ If = 20mA (Ta = 25°C). Iv is measured without lenses. For Low Power LEDs, If = 2mA.

[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.

[5] For AC operation, insert D after Voltage (e.g. 24HD), D indicates built-in rectifier; not required for 5H or 120VAC. DC operation not available for 120V. Bi-Color and Tri-Color not available in AC voltages.

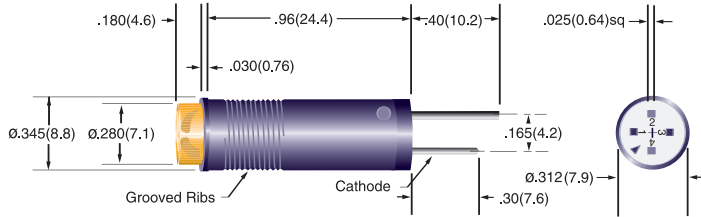
[6] Select high intensity LEDs only.

[7] Omit H when selecting a voltage (e.g. 51-RLP12-CW0).

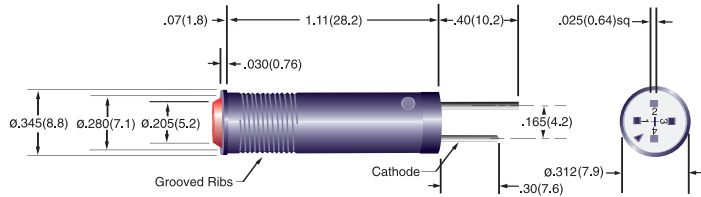
[8] Select -CW or -NW lens only. -RAG wire leads: green anode/black cathode/red anode. -GAR wire leads: green cathode/black anode/red cathode. Common lead is the first lead clockwise from reference mark on header. Tri-Color 5 or 12 volt, omit H in part number.

[9] Omit Lens Diffusion when selecting smoked lens (e.g. 51-NWA12H-S0).

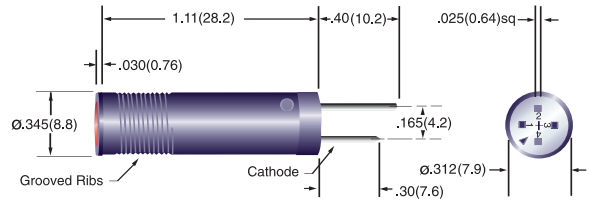
51



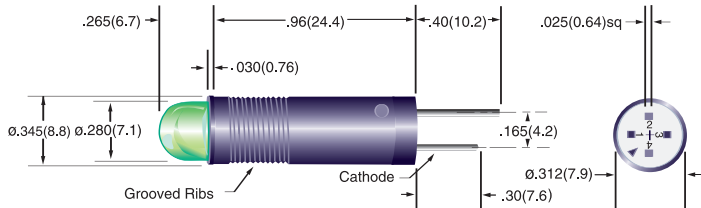
53



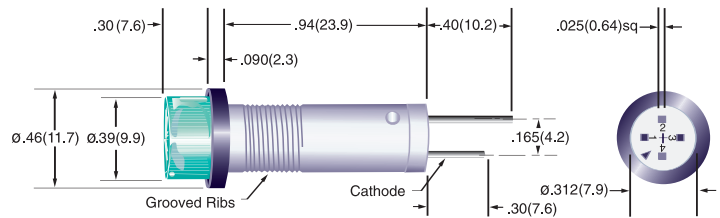
54 (flush lens)



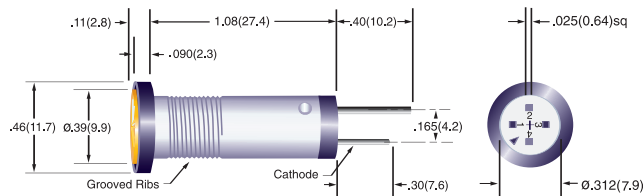
56



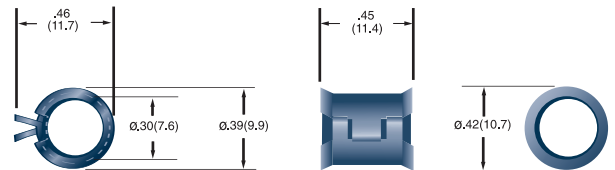
561



564



TC5 & NW5 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.