

# LENS MOUNTS

## 3mm & 5mm LEDs



### Visibility:

CLIPLITE produces up to 180 degrees of viewing angle using standard 3 mm and 5 mm LEDs

### Brightness:

CLIPLITE utilizes striated lines and fresnel rings to increase apparent brightness up to 125% and viewing angle up to 180 degrees with either diffused or non diffused LEDs. A low profile lens without rings or lines is available for direct sunlight applications

### Protection:

CLIPLITE helps prevent IC failures caused by electrostatic discharge (ESD). Simply walking across a carpet can generate 10,000 volts. Introduction of this ESD thru an exposed panel mounted LED is capable of damaging or destroying a semiconductor. A CLIPLITE mounted LED helps guard components from ESD up to 16kV while affording the LED physical protection

### Installation:

CLIPLITE, standard or low profile, requires no assembly tools; just snap into a panel opening and insert LED. Cost effective operation is complete in only 6 seconds

### Specifications:

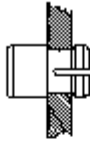
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b> | : Lense - polycarbonate<br>Spacer - nylon. (U.L. listed materials)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Design</b>   | : Standard and low profile lens with fresnel rings and striated lines<br>CLR301 low profile lens is available without fresnel rings                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Mounting</b> | : Mounts thru front of panel<br>Mounting holes should be deburred but not chamfered<br>3 mm (SML 190, SMB 200) mounts in a $.171 \pm 0.002$ (4.34 mm) hole on 1/4 inches centre<br>Panel thickness for SML 190, 1/32 inches to 1/16 inches; SMB 200, 1/16" to 1/8", 5 mm (CLF 280, CLB 300, CLR 301) mounts in a $0.25 \pm .002$ (6.35 mm) hole on 3/8 inches centre<br>Panel thickness for CLF 280, 1/16 inches to 1/8 inches; CLB 300 and CLR 301, 1/32 inches to 1/4 inches; for panels less than 3/16 inches, use SPC 125 spacer. |

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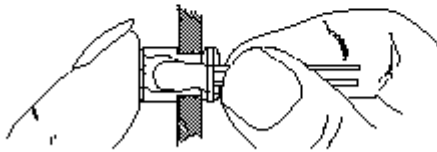
## 3mm & 5mm LEDs



### Simple Two-Step Installation



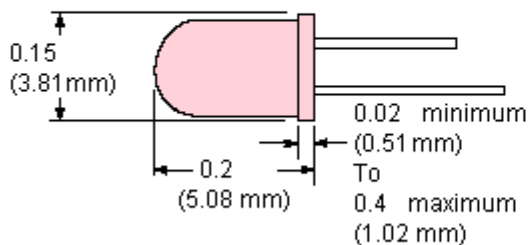
1. Snap the CLIPLITE into the panel hole



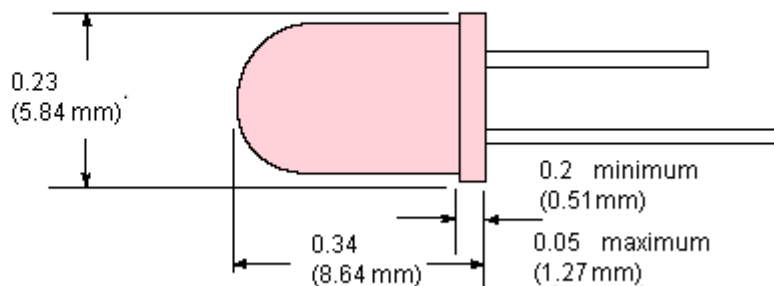
2. While holding the CLIPLITE tight to the panel with your finger, insert the LED into the CLIPLITE from the back

### Recommended LEDs

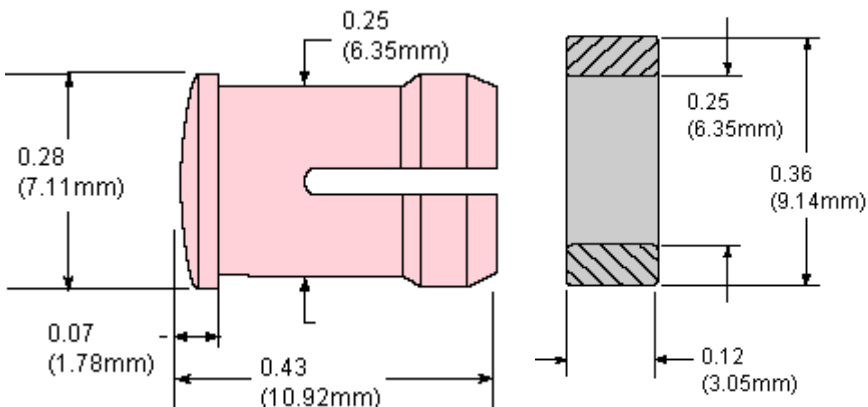
3 mm



5 mm



### Outline Drawings

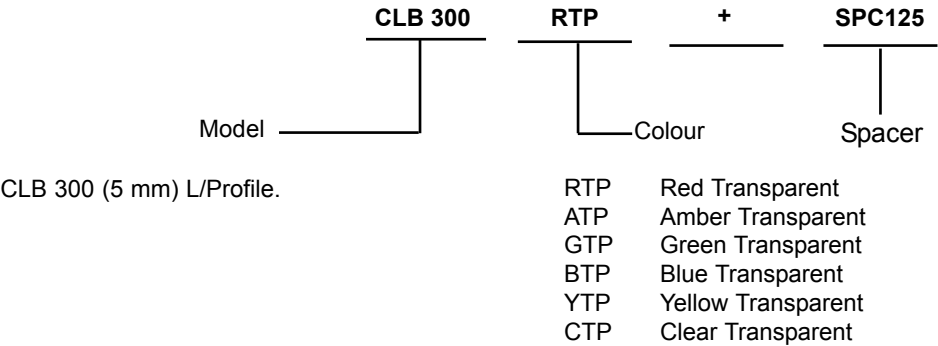


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### Ordering Codes



### Part Number Table

| Description        | Part Number        |
|--------------------|--------------------|
| Lens/Mount, Red    | CLB300RTP + SPC125 |
| Lens/Mount, Amber  | CLB300ATP + SPC125 |
| Lens/Mount, Yellow | CLB300YTP + SPC125 |
| Lens/Mount, Green  | CLB300GTP + SPC125 |
| Lens/Mount, CLR    | CLB300CTP + SPC125 |

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