

LENS MOUNTS FOR 3mm & 5mm LEDs



Visibility:

CLIPLITE[®] lenses produce up to 180 degrees of viewing angle using standard 3mm and 5mm LEDs.

Brightness:

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

Protection:

CLIPLITE[®] lenses help prevent IC failures caused by electrostatic discharge (ESD). Simply walking across a carpet can generate 10,000 volts. Introduction of this ESD through 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:

Material : Lense - polycarbonate

Spacer - Polypropylene. (U.L. listed materials).

Design : Standard and low profile lenses with fresnel rings and striated lines. CLR 301 Low Profile Lens is available without fresnel rings.

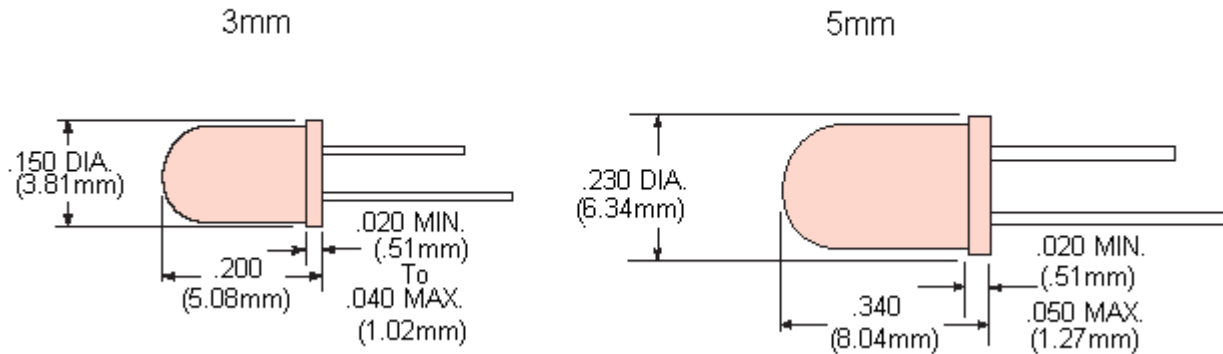
Mounting : Mounts through front of panel. Mounting holes should be deburred but not chamfered.

3mm (SML 190, SMB 200) mounts in a $.171\pm.002$ " (4.34mm) hole on 1/4" centers. Panel thickness for SML 190, 1/32" to 1/16"; SMB 200, 1/16" to 1/8". 5mm (CLF 280, CLB 300, CLR 301) mounts in a $.250\pm.002$ " (6.35mm) hole on 3/8" centers. Panel thickness for CLF 280, 1/16" to 1/8"; CLB 300 and CLR 301, 1/32" to 1/4"; for panels less than 3/16", use SPC 125 spacer
Lens retaining ring - available for added security (RNG 190, 3mm & RNG 268, 5mm).

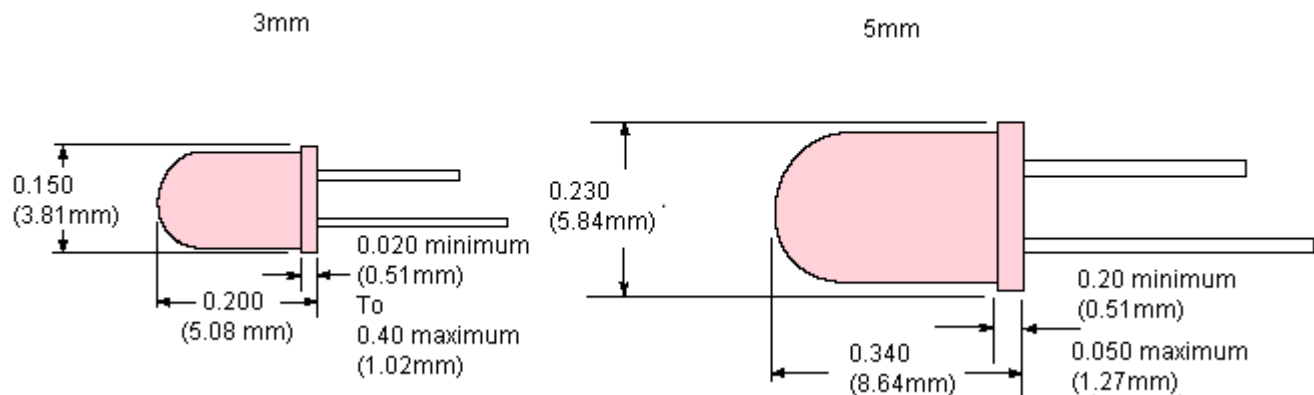
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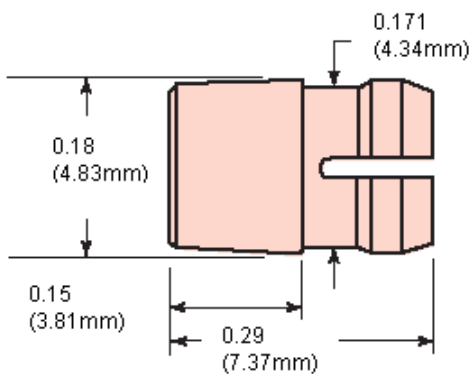
Simple Two-Step Installation



Recommended LEDs



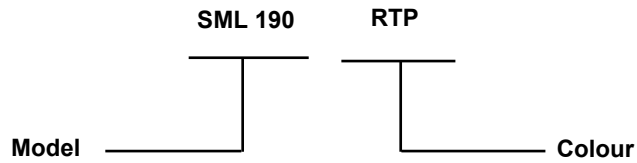
Outline Drawings



LENS MOUNTS FOR 3mm & 5mm LEDs



Ordering Codes



SML 190 (3mm) Std. Hgt.

RTP Red Transparent
CTP Clear Transparent

Part Number Table

| Description | Part Number |
|-------------------|-------------|
| Lens/Mount, Red | SML190RTP |
| Lens/Mount, Clear | SML190CTP |

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