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: Lens - 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"±.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"±.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).
LENS MOUNTS FOR
3mm & 5mm LEDs

Simple Two-Step Installation

Recommended LEDs

Outline Drawings
LENS MOUNTS FOR
3mm & 5mm LEDs

Ordering Codes

<table>
<thead>
<tr>
<th>Model</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>SML 190 (3mm) Std. Hgt.</td>
<td>RTP Red Transparent</td>
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<tr>
<td></td>
<td>CTP Clear Transparent</td>
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</table>

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>Lens/Mount, Red</td>
<td>SML190RTP</td>
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<tr>
<td>Lens/Mount, Clear</td>
<td>SML190CTP</td>
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</tbody>
</table>

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