



LENS MOUNTS FOR 3mm & 5mm LEDs

SPECIFICATIONS

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| 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 $.171" \pm .002"$ (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). |



U.S. & Foreign Patents Issued and Pending

SIMPLE TWO-STEP INSTALLATION

Snap the CLIPLITE® lens into panel hole.

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

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.

ORDERING CODES

| CLF 280 | | RTP | |
|---------|----------------------------------|-------|--------------------|
| MODEL | | COLOR | |
| SML 190 | (3mm) Std. Hgt. | RTP | Red Transparent |
| SMB 200 | (3mm) L/Profile | ATP | Amber Transparent |
| CLF 280 | (5mm) Std. Hgt. | GTP | Green Transparent |
| CLB 300 | (5mm) L/Profile | BTP | Blue Transparent |
| CLR 301 | (5mm) L/P Plain | YTP | Yellow Transparent |
| SPC 125 | (Spacer for CLB 300 and CLR 301) | CTP | Clear Transparent |

RECOMMENDED LEDs

| 3mm | 5mm |
|-----|-----|
| | |

OUTLINE DRAWING

| SML 190 (3mm) | CLF 280 (5mm) | SMB 200 (3mm) | CLB 300/CLR 301 (5mm) | SPC 125 (5mm) |
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