

## LENS MOUNTS FOR 3mm & 5mm LEDs

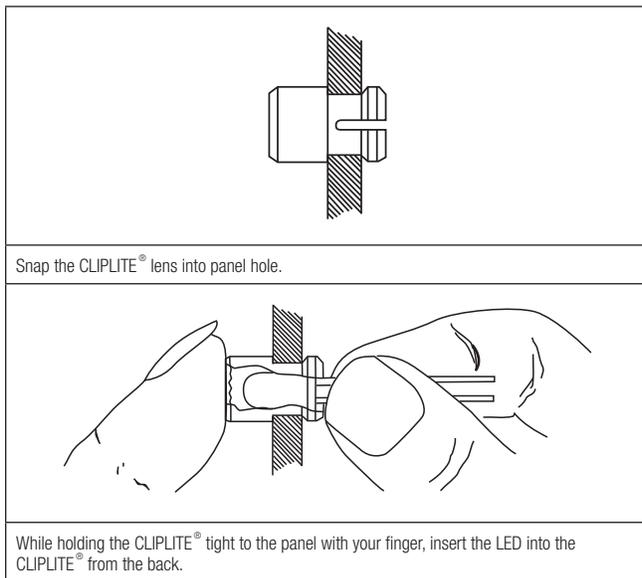
### SPECIFICATIONS

<b>MATERIAL</b>	Lens - Polycarbonate Spacer - Polypropylene (U.L. Listed Materials)
<b>DESIGN</b>	Standard and low profile lenses with fresnel rings and striated lines. CLR 301 Low Profile Lens is available without fresnel rings.
<b>MOUNTING</b>	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



### 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.

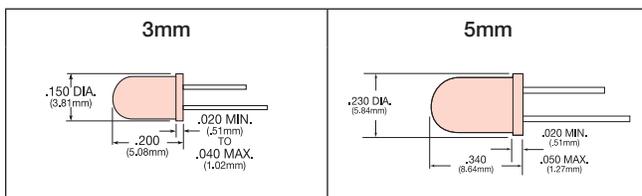
### INSTALLATION

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



### OUTLINE DRAWING

