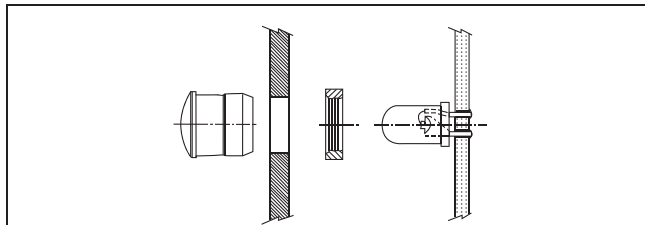## SPECIFICATIONS

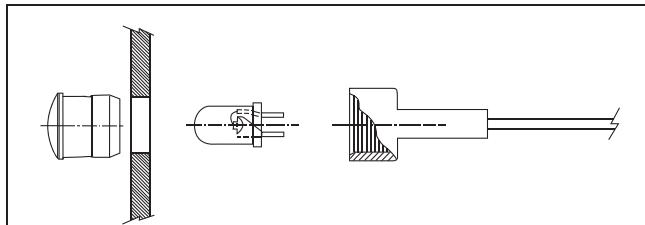| MATERIAL	Lens - Polycarbonate Ring - Polypropylene (U.L. Listed Materials)
DESIGN	Low profile lenses CMC 313 plain diffused, CMC 321, CML 325 & SMC 170 with fresnel rings. CMC 323 & CML 327 plain end lens.
MOUNTING	Mounts through front of panel, Retaining ring secures the lens in place. 5mm CMC & CML series mount in a .281″ (7.2mm) hole on 3/8″ centers, Panel thickness 1/32″ to 1/4″. 3mm (SMC 170) mounts in a .171″ (4.4mm) hole on 1/4″ centers. Panel thickness 1/32″ to 3/32″. 5mm CMC & CML series mount in a .281″ (7.2mm) hole on 3/8″ centers. Panel thickness 1/32″ to 1/4″.

U.S. & Foreign Patents Issued and Pending

PANEL MOUNTED LENS WITH PCB MOUNTED LED

Install lens through panel, secure with retaining ring. The PCB mounted LED then slides into lens.

PANEL MOUNTED LENS WITH CONXRITE CONNECTOR

Install lens through panel, insert LED into connector, press connector onto lens to complete installation.

RECOMMENDED LEDs

5mm	3mm
.230 (5.84mm) .340 (8.64mm)	.125 (3.17mm) .175 (4.45mm)

VERSATILITY

CLIPLITE® lenses, installed in a display panel, are used with PCB mounted LEDS. Lenses remain attached to the display or panel door while the LEDs are fixed to the PCB. The lenses are ideal when used together with the CONXRITE® connector assembly.

BRIGHTNESS

CLIPLITE® lenses utilize fresnel rings to increase apparent brightness and viewing angle up to 180 degrees with either diffused or nondiffused LEDs.

PROTECTION

CLIPLITE® lenses help prevent IC failures caused by electrostatic discharge (ESD). Introduction of 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® is inserted through panel opening, retaining ring pressed into place. PCB mounted LEDs slide into lenses when the panel cover is closed or the PCB card is inserted into the case.
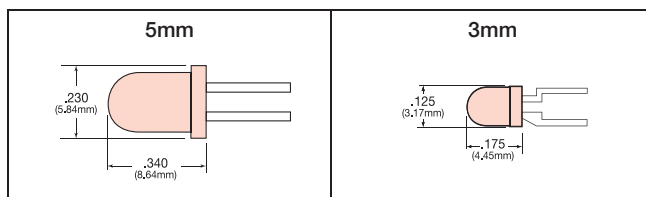
ORDERING CODES

CMC 321 RTP

MODEL
SMC 170 (3mm) Fresnel L/Profile Lens
CMC 313 (5mm) Plain Diffused Lens
CMC 321 (5mm) Fresnel L/Profile Lens
* CMC 323 (5mm) Plain End Lens
* CML 325 (5mm) Fresnel L/Profile Lens
* CML 327 (5mm) Plain End Lens
RNG 132 (3mm) Retaining Ring
RNG 268 (5mm) Retaining Ring
* Denotes Clear only

COLOR
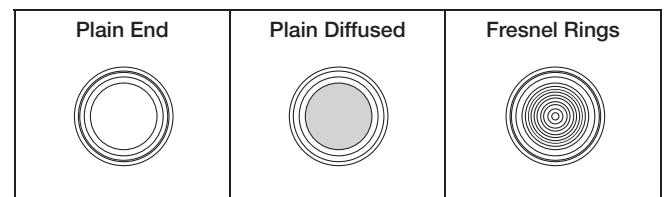RTP   Red Transparent
ATP   Amber Transparent
GTP   Green Transparent
YTP   Yellow Transparent
BTP   Blue Transparent
CTP   Clear Transparent

LENS STYLES

Plain End	Plain Diffused	Fresnel Rings

OUTLINE DRAWING

CMC 313/CMC 321 CMC 323 (5mm)	CML 325/CML 327 (5mm)	RNG 268 (5mm)	SMC 170 (3mm)	RNG 132 (3mm)
.30 DIA. (7.62mm) .21 ID (5.33mm) .28 DIA. (7.11mm) .07 (1.78mm) .33 (8.38mm)	.30 DIA. (7.62mm) .21 ID (5.33mm) .28 DIA. (7.11mm) .07 (1.78mm) .125 (3.18mm) .46 (11.68mm)	.27 DIA. (6.86mm) .36 DIA. (9.14mm) .165 (4.19mm)	.19 DIA. (4.82mm) .13 ID (3.30mm) .17 DIA. (4.32mm) .06 (1.52mm) .27 (6.86mm)	.16 DIA. (4.06mm) .24 DIA. (6.10mm) .08 (2.03mm)