LITEPIPE®

THREADED MOISTURE SEALED LITEPIPE® ASSEMBLY

U.S. & Foreign Patents Issued and Pending

VERSATILITY
The LITEPIPE® moisture sealed assembly provides a method of transmitting the light from PCB mounted LEDs to the front display panel. Both styles of LEDs, surface mount, 3mm and 5mm standard packages can be displayed in this manner.

BRIGHTNESS
The LITEPIPE® assembly increases the apparent brightness and viewing angle of a PCB mounted LED. LITEPIPE® transmits the light from the source to the lens, which in turn disperses the light up to 180 degrees.

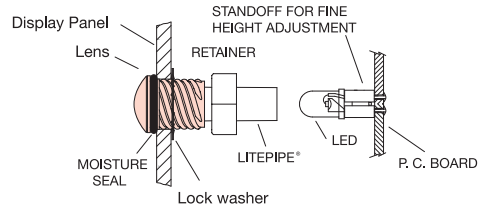
APPLICATION
The LITEPIPE® threaded assembly exceeds NEMA 4 for water, ice and dust conditions when properly installed. Because there is no physical connection between the lightpipe and PCB mounted LED, the circuit board can be installed or removed without disturbing the panel display.

INSTALLATION
The LITEPIPE® and lens assembly is easily installed. Pass assembly through the panel opening and position the lockwasher behind the panel. Tighten retaining ring to secure unit to the panel. Slide PCB into position aligning LED with the end of the LITEPIPE® unit.

SPECIFICATIONS

MATERIAL	LITEPIPE® - Acrylic (Clear optical grade) CLIPLITE® Lens - Polycarbonate, Seal - EPDM Lock washer - FH Steel, Nickel plate Ring - Thermoplastic (white) (U.L. Listed Materials)
DESIGN	Low profile threaded lens assembly with moisture seal and LITEPIPE®.
MOUNTING	Mounts in 5/16″ (8.0mm) hole on 1/2″ centers. Panel thickness 1/32″ to 1/8″. Compression of the seal is accomplished by twisting the retaining ring into place.
STANDOFF	Use standoff to adjust height of standard LED above the PCB in order to maintain a maximum .050″ clearance between LITEPIPE® and LED. See STD Series data sheet on page 31.

APPLICATION



Pass lens through panel opening. Position lockwasher and twist on retaining ring. Use standoff to adjust LED height to within .050″.

ORDERING CODES

LCS XXX RTP

MODEL
Assembly contains CLIPLITE® Lens & LITEPIPE® Lockwasher & Threaded Retainer.

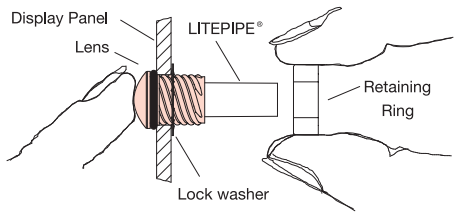
LITEPIPE®

LENGTH	(INCHES)
032 (.320″)	092 (.920″)
052 (.520″)	112 (1.12″)
072 (.720″)	132 (1.32″)

COLOR

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

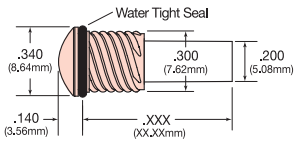
PANEL ASSEMBLY



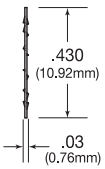
Hold lens firmly to panel, position lockwasher behind panel. Hand tighten or use 3/8″ nut driver to install retaining ring, compressing seal.

OUTLINE DRAWING

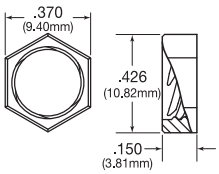
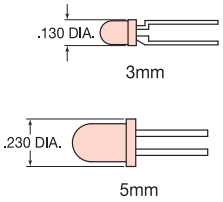
LCS LITEPIPE®/Lens Assembly



LOCKWASHER



RETAINING RING



RECOMMENDED LEDs