

# CLIPLITE®

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## LITEPIPES FOR SURFACE MOUNT LEDs



U.S. & Foreign Pat. Pend.

### SPECIFICATIONS

- MATERIAL:** Litepipe - Acrylic, optical grade, (Clear).  
 Grommet - Polyethylene, (black).  
 Spring Clip - Spring Steel (nickel plate).
- MOUNTING:** Panel hole: round .171" Dia.(4.34mm).  
 square .180" X .180" (4.57 X 4.57mm).  
 rectangular .170" X .250" (4.34 X 6.35mm).  
 Litepipes from .200" to .500" use grommet retainer.  
 Litepipes from .500" to 2.00" the spring clip is recommended for rigidity.
- LED:** Surface mount, vertical and horizontal LEDs.  
 Litepipes for blending multicolor LEDs are available on special request.

### ORDERING CODES

MODEL	LPC XXX CTP			COLOR					
LPC (Round)				CTP CLEAR					
LPS (Square)									
LPR (Rectangular)									
RTN 150 (GROMMET)									
RTN 250 (SPRING CLIP)									
	Equals length in inches								
	(Min. 020 = .200" / Max. 200 = 2.0")								
	020	038	056	074	092	112	135	157	180
	022	040	058	076	094	115	137	160	182
	024	042	060	078	096	117	140	162	185
NOTE:	026	044	062	080	098	120	142	165	187
Round - .200" to 2.0"	028	046	064	082	100	122	145	167	190
Square - .300" to 2.0"	030	048	066	084	102	125	147	170	192
Rectangular - .300" to 2.0"	032	050	068	086	105	127	150	172	195
Nonstandard lengths available on request.	034	052	070	088	107	130	152	175	197
	036	054	072	090	110	132	155	177	200

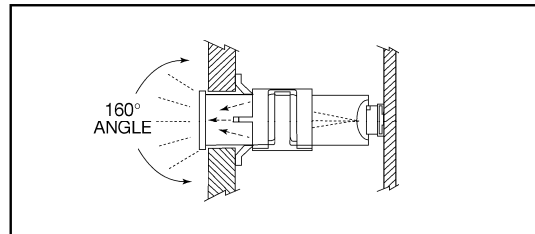
**APPLICATION** - CLIPLITE litepipes provide a method of transmitting the light of a surface mount LED to the display panel. Both vertical and horizontal PCB surface mount LEDs can be displayed in this manner. The litepipe is also capable of blending multicolor LED light into a single color.

**INTENSITY** - CLIPLITE litepipes have a unique near flush design and are still able to provide up to 160 degrees of viewing angle. This light output is achieved by the use of a concave shaped receiving surface which collects the LEDs light, and fresnel rings on the opposite surface that disperse the light.

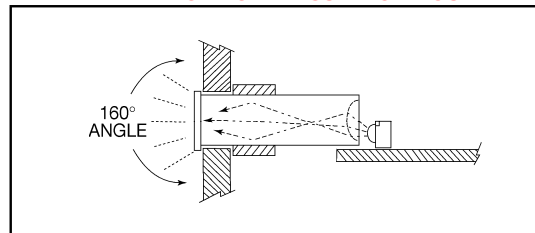
**VERSATILITY** - CLIPLITE litepipes are available in .020" increments from .200" to 2.0". This wide range of lengths simplifies the PCB positioning in relation to the display panel. Litepipes are secured directly to the display panel with no mechanical attachment to the PCB. The installation and removal of the circuit board can thus be accomplished without disturbing the display panel.

**INSTALLATION** - CLIPLITE litepipes are easy to install. Slide the litepipe thru the panel opening and slip the retainer in place. Finish the installation by pressing the retainer up against the display panel.

### LITEPIPE WITH VERTICAL SURFACE MOUNT LED



### LITEPIPE WITH HORIZONTAL SURFACE MOUNT LED



### OUTLINE DRAWING

**LPR**

Rectangular .190 X .270  
(4.83mm X 6.86mm)

**LPS**

Square .200 X .200  
(5.08mm X 5.08mm)

**LPC**

Round .190 Dia.  
(4.83mm)

### MOUNTING COMPONENTS

**RTN 150**

GROMMET

**RTN 250**

SPRING CLIP