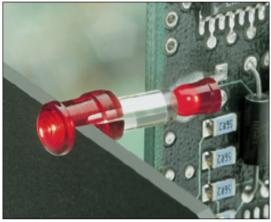
CLIPLIT

VISUAL COMMUNICATIONS COMPANY, INC.

7920-F Arjons Dr., San Diego, CA 92126 In CA (858) 549-6900 (800) 522-5546 FAX (858) 549-3520 www.vcclite.com

LITEPIPES & PANEL LENSES FOR PCB MOUNTED LEDs



SPECIFICATIONS

U.S. & Foreign Pat. Pend

MATERIAL:

Litepipe - Acrylic (Optical grade) Lens - Polycarbonate; Ring - Polypropylene

(U.L. Listed Material).

DESIGN:

LITEPIPE (3mm and 5mm) with annular ring and locking tab engages into the annular groove of VCC's low profile lens. Lens mounts the litepipe securely to the display panel and provides 180

degrees of viewing angle.

MOUNTING:

LITEPIPE 3mm - Mates with VCC's lenses model SMB 200 and SMQ 250. Panel mounting hole .171 (4.3mm) on 1/4" centers. Panel thickness 1/32" to 1/8". Litepipe lengths from .200" to 1 200"

LITEPIPE 5mm - Mates with VCC's lens model CLB 300 and SQB 400. Panel mounting hole .250 (6.35mm) on 3/8" centers. Panel thickness 1/32" to 1/4". Litepipe lengths from .360" to 1.360". For panels less than 3/16" use SPC 125

LENS RETAINING RING - available for added security (RNG 190, 3mm & RNG 268, 5mm).

PRODUCT CODE

STANDOFF: Use VCC's standoff to adjust the height of a standard LED above the PCB and maintain a maximum .050" clearance between litepipe and LED. See VCC's STD Series data sheet.

ORDERING CODE: LITEPIPE

LSV XXX CTP COLOR LSV (3mm), LCV (5mm) CTP CLEAR

LSV - CODE LENGTH (inches)

MODEL

020 (.200") 040 (.400") 060 (.600") 080 (.800") 100 (1.00") 120 (1.20")

LCV - CODE LENGTH (inches) 036 (.360") 056 (.560") 076 (.760") 096 (.960") 116 (1.16") 136 (1.36")

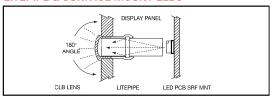
VERSATILITY - CLIPLITE litepipe and lens easily provide a method of transmitting the light from PCB mounted LEDs to the front display panel. Both styles of LEDs, surface mount and standard packages, can be displayed in this manner.

BRIGHTNESS - CLIPLITE litepipe by itself has a limited angle of view. However, when used with VCC's fresnel lens the light is dispersed over the entire lens surface producing 180 degrees of viewing.

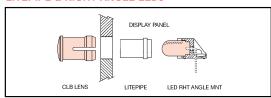
APPLICATION - CLIPLITE litepipes and lenses are available for use with both surface mount and standard packaged LEDs in 3mm and 5mm configurations. Because there is no physical connection between the litepipe and the PCB mounted LED, the circuit board can be installed or removed without disturbing the panel display.

INSTALLATION - CLIPLITE litepipe and lens are easy to install. Insert the lens thru the panel opening and snap the litepipe into the lens. For added security in harsh environments, a retaining ring is available.

LITEPIPE & SURFACE MOUNT LEDs



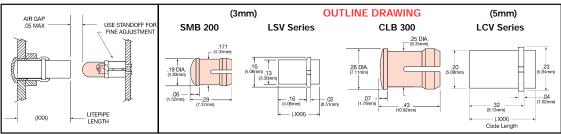
LITEPIPE & RIGHT ANGLE LEDs



ORDERING CODE: LENS

CLB 300 & SQB 400)





Clear Transparent