LENS MOUNTS
3mm & 5mm LEDs

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Visibility:

CLIPLITE produces up to 180 degrees of viewing angle using standard 3 mm and 5 mm LEDs

Brightness:

CLIPLITE utilizes striated lines and fresnel rings to increase apparent brightness up to 125% and viewing angle up to 180 degrees with either diffused or non diffused LEDs. A low profile lens without rings or lines is available for direct sunlight applications

Protection:

CLIPLITE helps prevent IC failures caused by electrostatic discharge (ESD). Simply walking across a carpet can generate 10,000 volts. Introduction of this ESD thru 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

Specifications:

Material   : Lense - polycarbonate
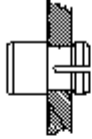Spacer - nylon. (U.L. listed materials)

Design   : Standard and low profile lens with fresnel rings and striated lines
CLR301 low profile lens is available without fresnel rings

Mounting   : Mounts thru front of panel
Mounting holes should be deburred but not chamfered
3 mm (SML 190, SMB 200) mounts in a .171 ± 0 .002 (4.34 mm) hole on 1/4 inches centre
Panel thickness for SML 190, 1/32 inches to 1/16 inches; SMB 200, 1/16" to 1/8", 5 mm (CLF 280, CLB 300, CLR 301) mounts in a 0.25 ± .002 (6.35 mm) hole on 3/8 inches centre
Panel thickness for CLF 280, 1/16 inches to 1/8 inches; CLB 300 and CLR 301, 1/32 inches to 1/4 inches; for panels less than 3/16 inches, use SPC 125 spacer.
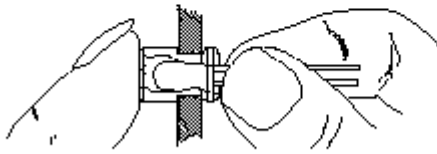
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Simple Two-Step Installation

1. Snap the CLIPLITE into the panel hole
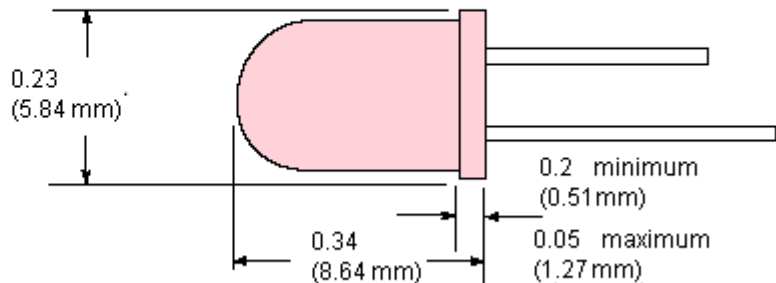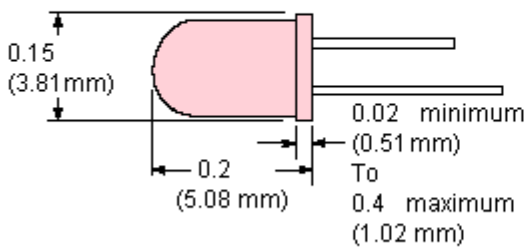
2. While holding the CLIPLITE tight to the panel with your finger, insert the LED into the CLIPLITE from the back
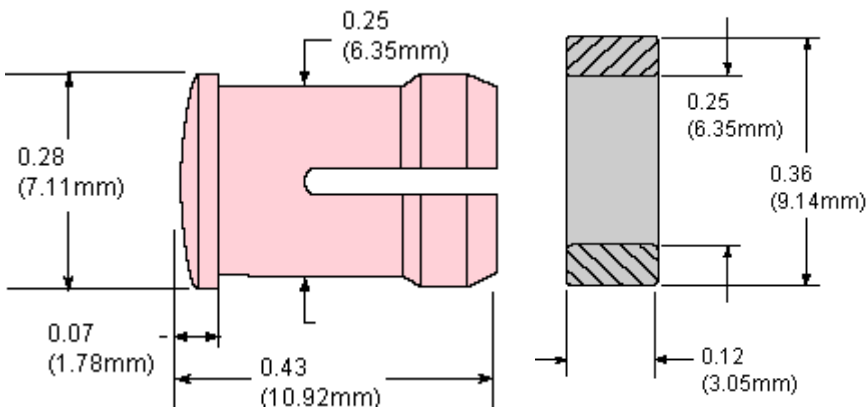
Recommended LEDs

3 mm

5 mm

0.15
(3.81mm)

0.2
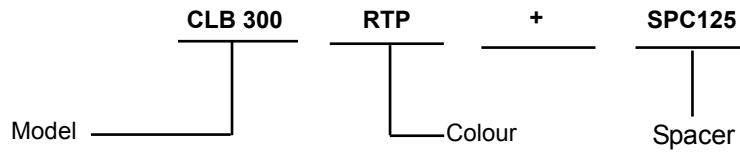(5.08 mm)

0.02   minimum
(0.51 mm)
To
0.4   maximum
(1.02 mm)

0.23
(5.84 mm)

0.34
(8.64 mm)

0.2   minimum
(0.51mm)

0.05   maximum
(1.27 mm)

Outline Drawings

0.25
(6.35mm)

0.28
(7.11mm)

0.07
(1.78mm)

0.43
(10.92mm)

0.25
(6.35mm)

0.36
(9.14mm)

0.12
(3.05mm)

www.element14.com
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Ordering Codes

| CLB 300 | RTP | + | SPC125 |

Model ——— CLB 300

Colour — RTP

Spacer — SPC125

CLB 300 (5 mm) L/Profile.

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

Part Number Table

Description	Part Number
Lens/Mount, Red	CLB300RTP + SPC125
Lens/Mount, Amber	CLB300ATP + SPC125
Lens/Mount, Yellow	CLB300YTP + SPC125
Lens/Mount, Green	CLB300GTP + SPC125
Lens/Mount, CLR	CLB300CTP + SPC125

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