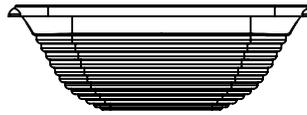


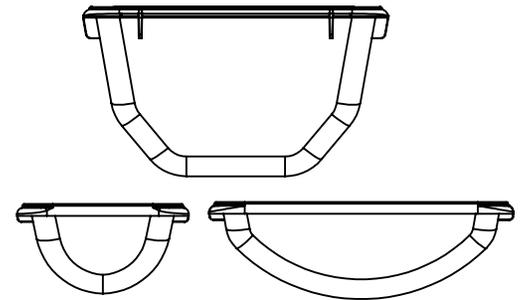
**CT2 HOUSINGS**

- CT2-HV5-1L4
- CT2-HV5-2L2
- CT2-HV5-2L4
- CT2-HV5-2L8



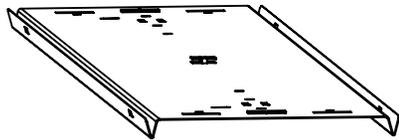
**LINEAL RIBBED DIFFUSERS**

- CT2-DIRA-1L4(-FR50)
- CT2-DP-1L4(-FR50)
- CT2-DIRA-2L2(-FR50)
- CT2-DP-2L2(-FR50)
- CT2-DIRA-2L4(-FR50)
- CT2-DP-2L4(-FR50)
- CT2-DIRA-2L8(-FR50)



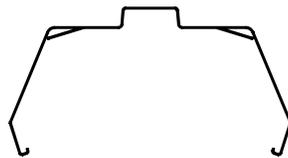
**OPTICALLY CLEAR DIFFUSERS**

- CT2-LIRA-2L2(-FR50)
- CT2-LIRA-2L4(-FR50)
- CT2-LIRA-2L8(-FR50)
- CT2-CIRA-1L4(-FR50)
- CT2-CP-1L4(-FR50)
- CT2-CIRA-2L4(-FR50)
- CT2-CP-2L4(-FR50)



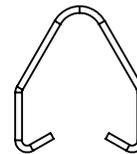
**BOARD TRAYS**

- See specific BT1 page



**MOUNTING BRACKETS**

- CT2-MB-1L
- CT2-MB-2L



**CHAIN HANG**

- CT-BAIL



**GT RC SCREW**

- CT-SCRW

**UNIVERSAL GEAR TRAY SCREW**

- CT-SCRW-UGT



**LATCHES**

- CT2-LATCHSS
- CT2-LATCHC
- CT2-LATCHW



**END PLUG**

- CT-ENDPLUG-B



**GT RETAINER CLIP**

- CT-RC
- CT-RC-WIDE

**SAFETY STRAP**

- CT-SST



**LENS TETHER**

- CT-LT8
- CT-LT12

**Diffuser Material Note:**  
**DIRA & CIRA** is Impact Resistant Acrylic  
**DP & CP** is Polycarbonate  
**FR50** is optional frosted variation.

Citadel 2

Parts List

Page 1 of 11



1400 South Old Highway 141  
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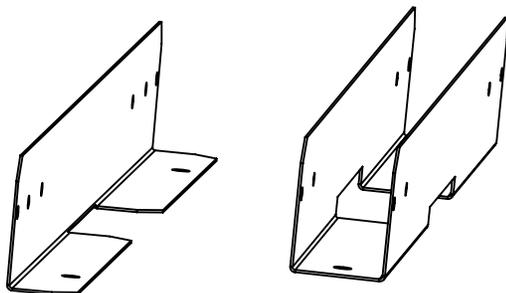
# Citadel 2 LED: *FLAT BOARD TRAY SYSTEM*

## **CT2 LED FLAT BOARD TRAY**

- CT2-LED-BT1-1L4-1R
- CT2-LED-BT1-2L2-1R
- CT2-LED-BT1-2L2-2R-095
- CT2-LED-BT1-2L2-2R-160
- CT2-LED-BT1-2L2-2R-190
- CT2-LED-BT1-2L4-1R
- CT2-LED-BT1-2L4-2R-095
- CT2-LED-BT1-2L4-2R-160
- CT2-LED-BT1-2L4-2R-190
- CT2-LED-BT1-2L8-1R
- CT2-LED-BT1-2L8-2R-095
- CT2-LED-BT1-2L8-2R-160
- CT2-LED-BT1-2L8-2R-190

1R: One Row; requires CT-RC-WIDE  
2R: Two Rows  
4R: For Rows  
095: Nominal Board Width 0.950"  
160: Nominal Board Width 1.600"  
190: Nominal Board Width 1.900"

All Models and Drawings of the Flat Board Trays with the exception of "Viewed" Files use cut-outs to symbolize lances, bridges, and K.O.'s for our manufacturing purposes. The "Viewed" files are strictly a 3D Visual of the stamped features.



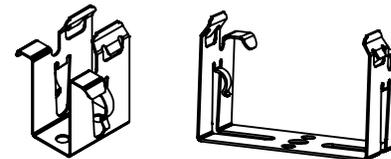
### **DRIVER TRAY**

- CT-LED-DT-L
- CT-LED-DT-U



### **BOARD RETENTION CLIP**

- CT2-LED-BRC-SM



### **GT RETAINER CLIP**

- CT-RC
- CT-RC-WIDE

### **UNIVERSAL GEAR TRAY SCREW**

- CT-SCRW-UGT

Citadel 2 LED

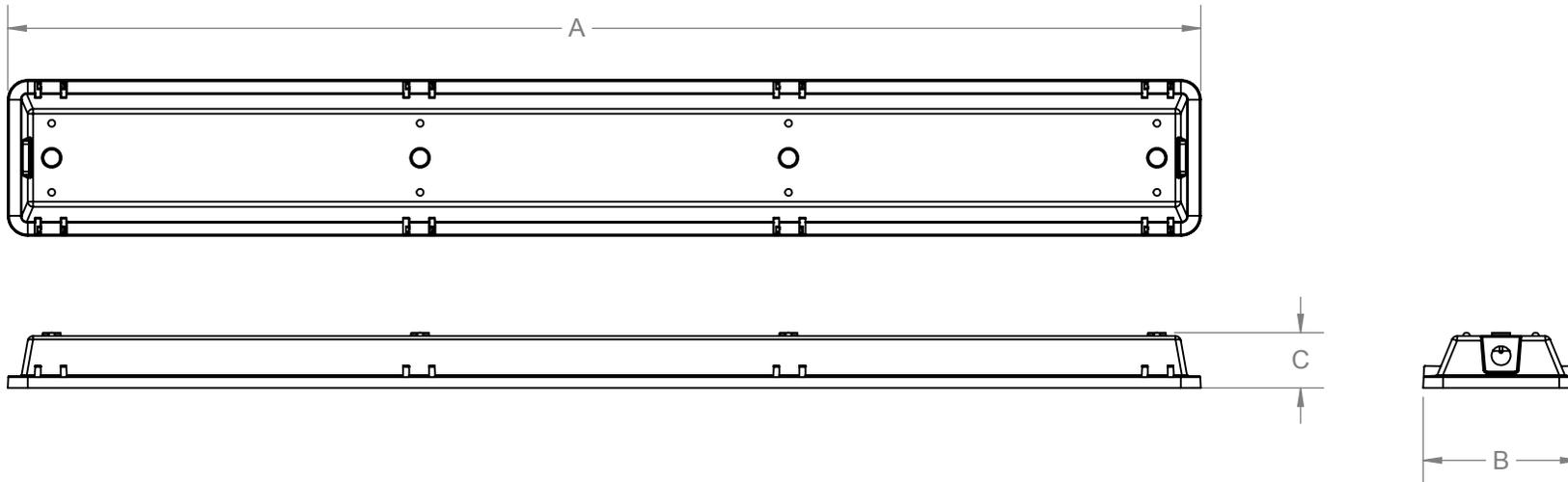
Parts List

Page 2



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# HOUSINGS



| PART        | A     | B    | C    | Material       |
|-------------|-------|------|------|----------------|
| CT2-HV5-1L4 | 51.6  | 4.02 | 2.24 | 5VA Fibergalss |
| CT2-HV5-2L2 | 27.7  | 6.77 | 2.24 | 5VA Fibergalss |
| CT2-HV5-2L4 | 51.7  | 6.77 | 2.24 | 5VA Fibergalss |
| CT2-HV5-2L8 | 100.0 | 6.77 | 2.24 | 5VA Fibergalss |

Citadel 2

Housings

Page 2 of 10

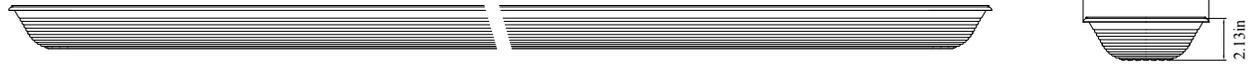


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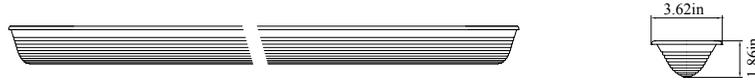


## LINEAL RIBBED CLEAR & FROSTED DIFFUSERS

CT2-DP-2L4/CT2-DP-2L4-FR50    CT2-DIRA-2L4/CT2-DIRA-2L4-FR50    CT2-DIRA-2L8/CT2-DIRA-2L8-FR50



CT2-DP-1L4/CT2-DP-1L4-FR50    CT2-DIRA-1L4/CT2-DIRA-1L4-FR50

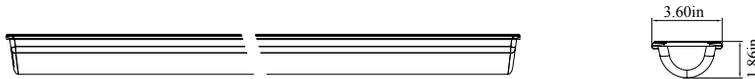
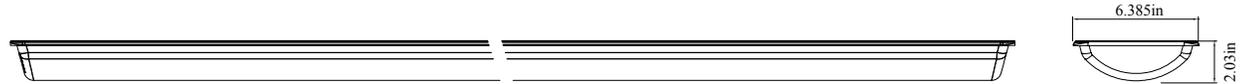


CT2-DP-2L2/CT2-DP-2L2-FR50    CT2-DIRA-2L2/CT2-DIRA-2L2-FR50



## SHALLOW OPTICALLY CLEAR & FROSTED LENS

CT2-CIRA-2L4/CT2-CIRA-2L4-FR50    CT2-CP-2L4/CT2-CP-2L4-FR50



## OPTICALLY CLEAR & FROSTED LENS

CT2-LIRA-2L2/CT2-LIRA-2L2-FR50    CT2-LIRA-2L4/CT2-LIRA-2L4-FR50    CT2-LIRA-2L8/CT2-LIRA-2L8-FR50



|                        | Width            | Nominal Length             | Part Number  | Available in Frosted | Injection Molded With Guardian Seal |                          | Overall Dimensions (dimensions given in inches) |        |       |
|------------------------|------------------|----------------------------|--------------|----------------------|-------------------------------------|--------------------------|---|--------|-------|
|                        |                  |                            |              |                      | U.V. Stabilized Polycarbonate       | Impact Resistant Acrylic | Width   | Length | Depth |
| Lineal Ribbed Diffuser | Narrow (1 Light) | 4'                         | CT2-DIRA-1L4 | CT2-DIRA-1L4-FR50    |                                     | +                        | 3.62  | 51.26  | 1.86  |
|                        |                  |                            | CT2-CIRA-1L4 | CT2-CIRA-1L4-FR50    |                                     | +                        | 3.60  | 51.52  | 1.87  |
|                        |                  |                            | CT2-DP-1L4   | CT2-DP-1L4-FR50      | +                                   |                          | 3.62  | 51.26  | 1.86  |
|                        |                  |                            | CT2-CP-1L4   | CT2-CP-1L4-FR50      | +                                   |                          | 3.60  | 51.52  | 1.87  |
|                        | Wide (2 Light)   | 2', 4', 4', 2', 4', 4', 8' | CT2-DP-2L2   | CT2-DP-2L2-FR50      | +                                   |                          | 6.38  | 27.24  | 1.92  |
|                        |                  |                            | CT2-DP-2L4   | CT2-DP-2L4-FR50      | +                                   |                          | 6.40  | 51.37  | 2.13  |
|                        |                  |                            | CT2-CP-2L4   | CT2-CP-2L4-FR50      | +                                   |                          | 6.39  | 51.37  | 2.03  |
|                        |                  |                            | CT2-DIRA-2L2 | CT2-DIRA-2L2-FR50    |                                     | +                        | 6.38  | 27.24  | 2.13  |
|                        |                  |                            | CT2-DIRA-2L4 | CT2-DIRA-2L4-FR50    |                                     | +                        | 6.40  | 51.37  | 2.13  |
|                        |                  |                            | CT2-CIRA-2L4 | CT2-CIRA-2L4-FR50    |                                     | +                        | 6.39  | 51.37  | 2.03  |
| Optically Clear Lens   | Wide (2 Light)   | 2'                         | CT2-LIRA-2L2 | CT2-LIRA-2L2-FR50    |                                     | +                        | 6.40  | 27.24  | 3.50  |
|                        |                  | 4'                         | CT2-LIRA-2L4 | CT2-LIRA-2L4-FR50    |                                     | +                        | 6.40  | 51.37  | 3.50  |
|                        |                  | 8'                         | CT2-LIRA-2L8 | CT2-LIRA-2L8-FR50    |                                     | +                        | 6.40  | 99.50  | 3.50  |



**CITADEL 2 Lens and Diffusers**

V08042015

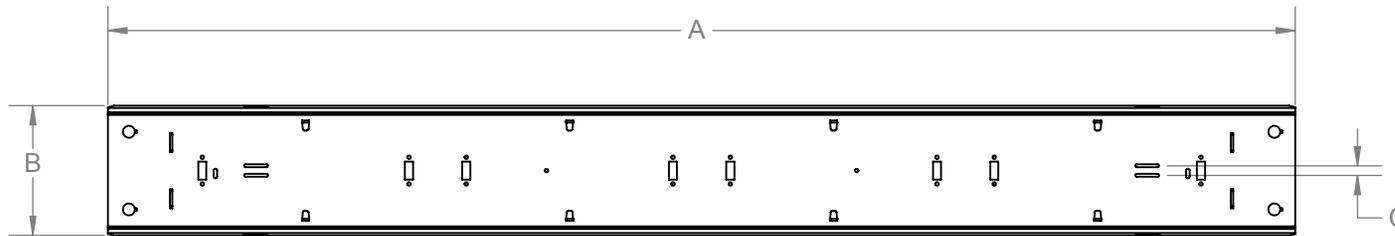
**SLP Lighting**

1400 South Old Highway 141, Fenton, MO 63026 USA  
Tel. 636-600-4084 - Fax 636-600-4108

West Coast 16423 Berwyn Road, Cerritos, CA 90703 USA  
Tel. 1-562-404-1440 - Fax 1-562-404-4711

All dimensions are given to our best knowledge and without obligation. We reserve the right to make changes to materials or design.

# BOARD TRAYS



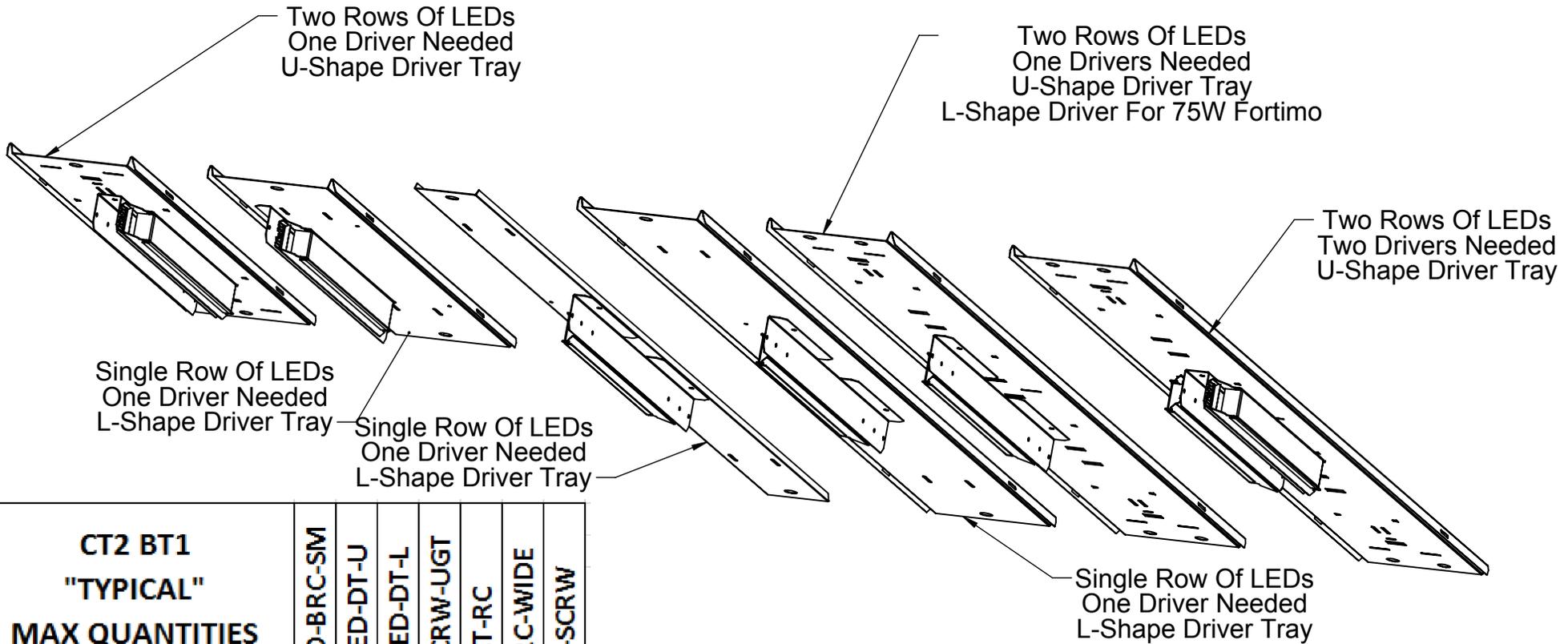
| PART NUMBER            | A     | B    | C    |
|------------------------|-------|------|------|
| CT2-LED-BT1-1L4-1R     | 49.76 | 2.58 | 1.65 |
| CT2-LED-BT1-1L4-1R-095 |       |      |      |
| CT2-LED-BT1-1L4-1R-160 |       |      |      |
| CT2-LED-BT1-2L2-1R     | 25.75 | 5.34 | 1.65 |
| CT2-LED-BT1-2L2-1R-095 |       |      |      |
| CT2-LED-BT1-2L2-1R-160 |       |      |      |
| CT2-LED-BT1-2L2-2R-095 | 25.75 | 5.34 | 0.40 |
| CT2-LED-BT1-2L2-2R-160 |       |      |      |
| CT2-LED-BT1-2L2-2R-190 |       |      |      |
| CT2-LED-BT1-2L4-1R     | 49.75 | 5.34 | 1.65 |
| CT2-LED-BT1-2L4-1R-095 |       |      |      |
| CT2-LED-BT1-2L4-1R-160 |       |      |      |
| CT2-LED-BT1-2L4-2R-095 | 49.75 | 5.34 | 0.40 |
| CT2-LED-BT1-2L4-2R-160 |       |      |      |
| CT2-LED-BT1-2L4-2R-190 |       |      |      |
| CT2-LED-BT1-2L8-1R     | 98.08 | 5.34 | 1.65 |
| CT2-LED-BT1-2L8-1R-095 |       |      |      |
| CT2-LED-BT1-2L8-1R-160 |       |      |      |
| CT2-LED-BT1-2L8-2R-095 | 98.08 | 5.34 | 0.40 |
| CT2-LED-BT1-2L8-2R-160 |       |      |      |
| CT2-LED-BT1-2L8-2R-190 |       |      |      |

**Material 0.020" Precoat CRS**

Citadel 2 LED  
BT1 Board Trays



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| CT2 BT1<br>"TYPICAL"<br>MAX QUANTITIES<br><i>some variations may differ</i> | CT-LED-BRC-SM       | CT-LED-DT-U | CT-LED-DT-L | CT-SCRW-UGT | CT-RC | CT-RC-WIDE | CT-SCRW |
|---|---------------------|-------------|-------------|-------------|-------|------------|---------|
|   | LED Flat Board Tray |             |             |             |       |            |         |
| CT2-LED-BT1-1L4-1R  | -                   | -           | 1           | 4           | -     | 2          | 2       |
| CT2-LED-BT1-2L2-1R  | -                   | 1           | -           | 4           | -     | 2          | 2       |
| CT2-LED-BT1-2L2-2R-095  | 4                   | 1           | -           | 4           | 2     | -          | 2       |
| CT2-LED-BT1-2L2-2R-160  | 4                   | 1           | -           | 4           | 2     | -          | 2       |
| CT2-LED-BT1-2L2-2R-190  | -                   | 1           | -           | 4           | 2     | -          | 2       |
| CT2-LED-BT1-2L4-1R  | -                   | -           | 1           | 4           | -     | 2          | 2       |
| CT2-LED-BT1-2L4-2R-095  | 8                   | 1           | -           | 6           | 2     | -          | 2       |
| CT2-LED-BT1-2L4-2R-160  | 8                   | 1           | -           | 6           | 2     | -          | 2       |
| CT2-LED-BT1-2L4-2R-190  | -                   | 1           | -           | 6           | 2     | -          | 2       |
| CT2-LED-BT1-2L8-1R  | -                   | -           | 2           | 4           | -     | 4          | 4       |
| CT2-LED-BT1-2L8-2R-095  | 16                  | 2           | -           | 8           | 4     | -          | 4       |
| CT2-LED-BT1-2L8-2R-160  | 16                  | 2           | -           | 8           | 4     | -          | 4       |
| CT2-LED-BT1-2L8-2R-190  | -                   | 2           | -           | 8           | 4     | -          | 4       |

### The Main Point Here

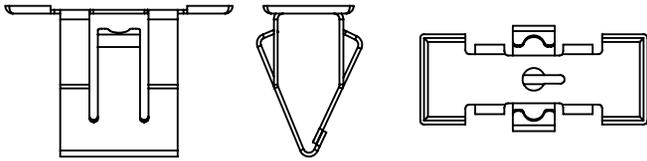
When there are two rows of LEDs, you will usually use the clips, with the exception of the(-190). When you use clips, you want to use the U-Shaped Driver Tray. In the U-Shape Driver Tray, there is a hole cut out for the clips. The L-Shaped Driver tray is reserved for all single row configurations, or the (-C) board trays.

For the (-C) board trays, you also have to use the CT-RC-WIDE clip.

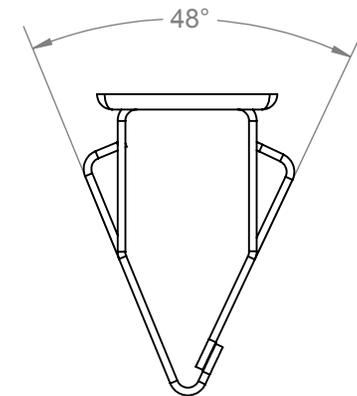
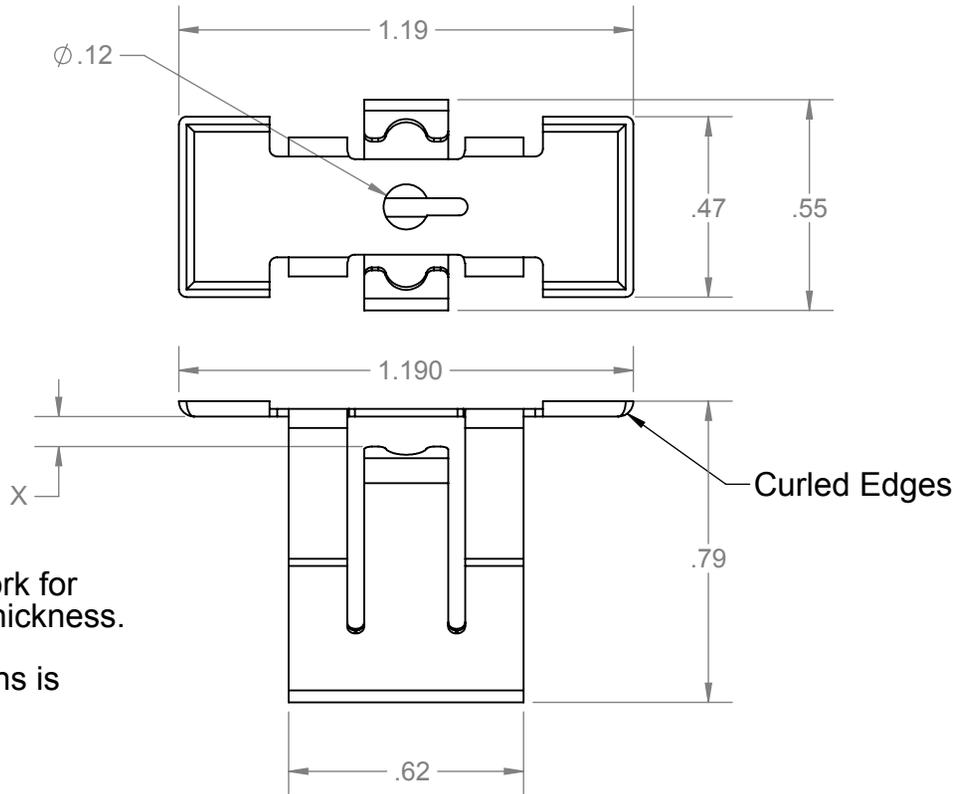
The Universal Gear Tray Screw is used to attached the drivers to the driver tray, and the driver tray to the board tray.

Special Consideration: CT-LED-DT-L needs to be used with Fortimo 75W Driver for dual row options.

ACTUAL SIZE: SCALE 1:1



| REVISIONS |                |         |          |
|-----------|----------------|---------|----------|
| REV.      | DESCRIPTION    | DATE    | APPROVED |
| A         | For Production | 4.23.14 | CSO      |
|           |                |         |          |



Clip designed to work for .060" to .084" overall thickness.

Cut Out Dimensions is .750" X .354"

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES AS NOTED  
FRACTIONAL ± 1/16"  
ANGULAR ± 1°  
TWO PLACE DECIMAL ± .060  
THREE PLACE DECIMAL ± .030

INTERPRET GEOMETRIC TOLERANCING PER:

|           | NAME | DATE     |
|-----------|------|----------|
| DRAWN     | -    | xx/xx/xx |
| CHECKED   | -    | xx/xx/xx |
| ENG APPR. | -    | xx/xx/xx |
| MFG APPR. | -    | xx/xx/xx |
| Q.A.      | -    | xx/xx/xx |

COMMENTS:  
....

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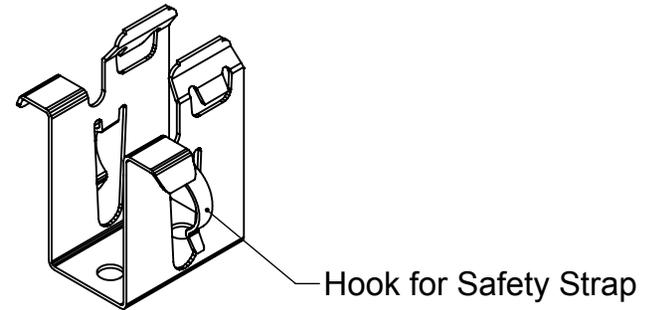
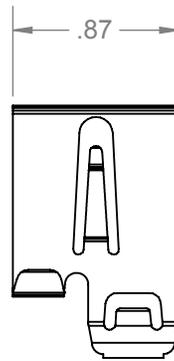
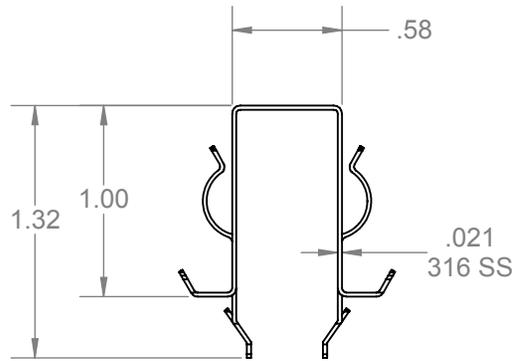
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www.SLPlighting.com

|             |              |   |                        |              |
|-------------|--------------|---|------------------------|--------------|
| Part Weight |              | <b>CT-LED-BRC-SM</b><br><b>Flat Board Tray</b><br><b>Retention Clip</b> |                        | REV. A       |
| Material    | Spring Steel |   |                        |              |
| Finish      | PS-7001      | SIZE A  | Scale 2:1              | SHEET 1 OF 1 |
| Drawn By:   | CSO          | DATE: 4/23/2014   | DWG. No. CT-LED-BRC-SM |              |

# RETAINER CLIP

## CT-RC (.021" 316 SS)



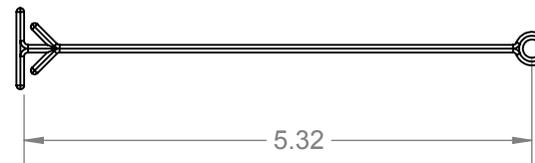
### Required Accessory:

CT RC SCREW  
 CT-SCRW ( Hi-Lo 10-16 hex head)  
 Max Torque : 35 in-lbs

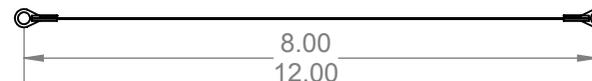


### Optional Accessory:

SUPPORT STRAP  
 CT-SST (Nylon)



LENS/GEAR TRAY TETHER  
 CT-LT8 or CT-LT12 (304 SS)



Citadel 2

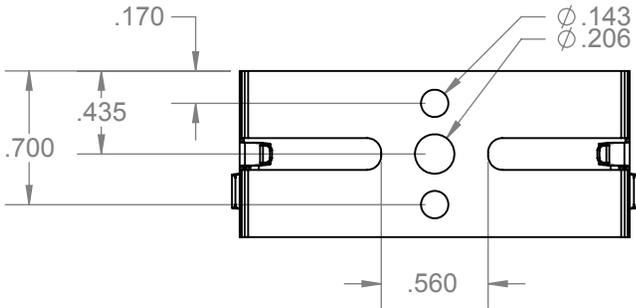
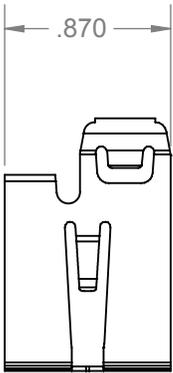
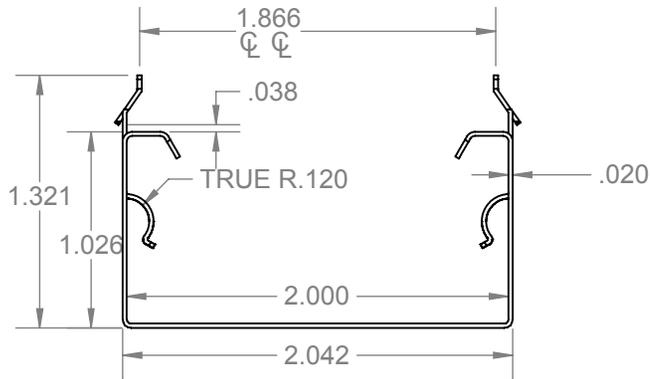
Retainer Clip

Page 5 of 10



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| REVISIONS |                     |         |          |
|-----------|---------------------|---------|----------|
| REV.      | DESCRIPTION         | DATE    | APPROVED |
| 0         | For Final Prototype | 4.23.14 | CSO      |
| A         | For Production      | 5.20.14 | CSO      |



UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES AS NOTED  
 FRACTIONAL  $\pm 1/16"$   
 ANGULAR  $\pm 1^\circ$   
 TWO PLACE DECIMAL  $\pm .060$   
 THREE PLACE DECIMAL  $\pm .030$   
 INTERPRET GEOMETRIC TOLERANCING PER:

|           | NAME | DATE     |
|-----------|------|----------|
| DRAWN     | -    | xx/xx/xx |
| CHECKED   | -    | xx/xx/xx |
| ENG APPR. | -    | xx/xx/xx |
| MFG APPR. | -    | xx/xx/xx |
| Q.A.      | -    | xx/xx/xx |

COMMENTS:  
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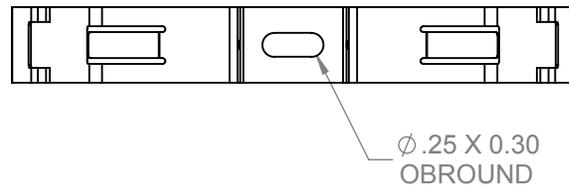
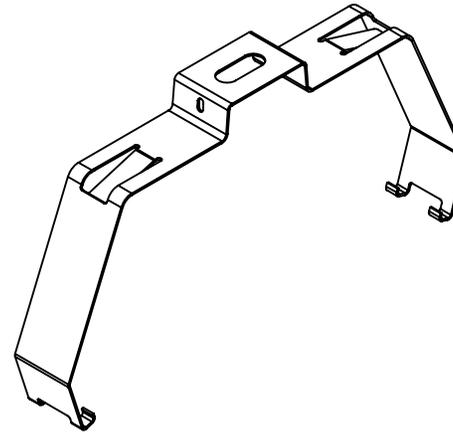
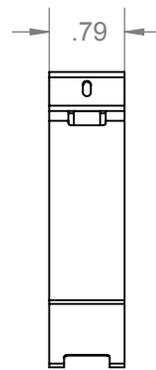
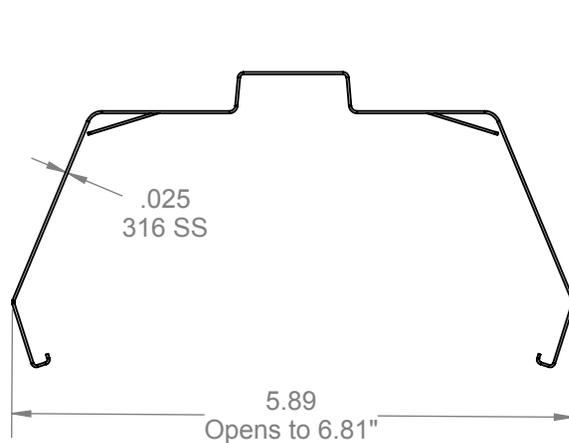


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|                                 |                 |                   |                     |
|---------------------------------|-----------------|-------------------|---------------------|
| Part Weight                     |                 | <b>CT-RC-WIDE</b> |                     |
| Material <b>316SS half hard</b> |                 |                   |                     |
| Finish                          | SIZE A          | Scale 1:1         | REV. A              |
| Drawn By: CSO                   | DATE: 4/23/2014 | SHEET 1 OF 1      | DWG. No. CT-RC-WIDE |

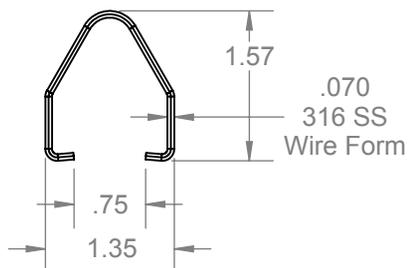
# 316 SS MOUNTING BRACKET

## CT2-MB-2L (.025" 316 SS)



### Optional Accessory:

#### CT BAIL



Citadel 2

Mounting Bracket

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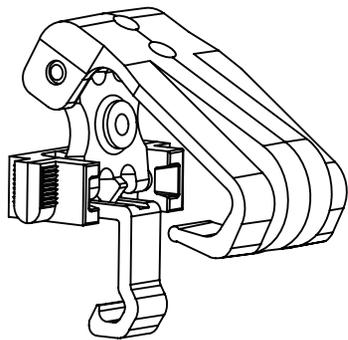


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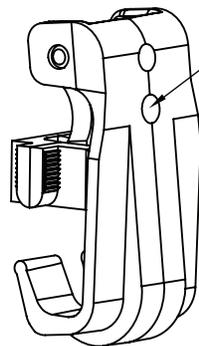
# PLASTIC LATCH

**CT2-LATCHC** (Polycarbonate)

**CT2-LATCHW** (POM)

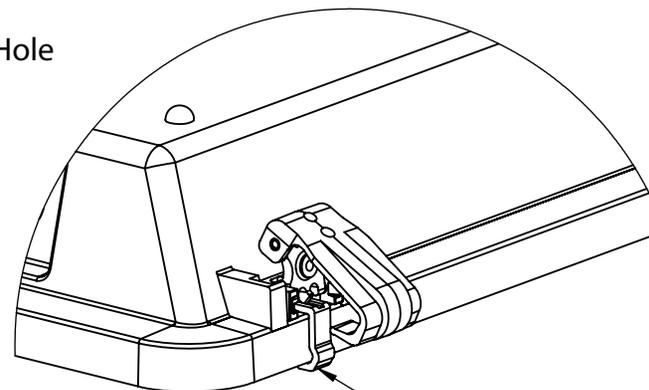


Opened



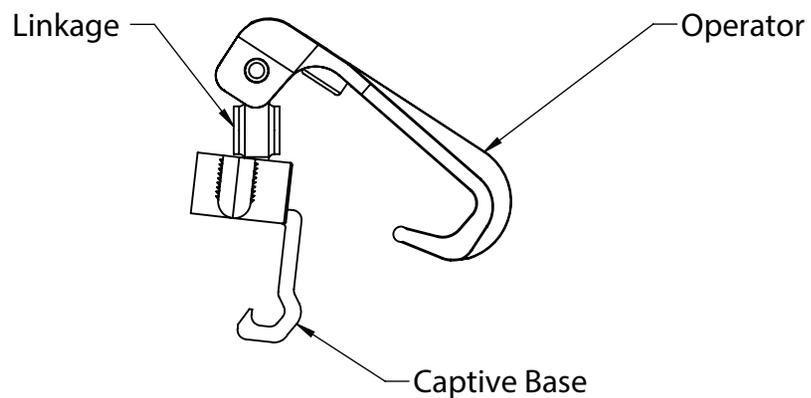
Closed

Tamper Proof Hole



Captive

The latches come fully assembled. Simply press the base into the latch pocket, and guide the captive base over the edge of the housing.  
For Tamper Proofing use 6-1/2" sheet metal screw.



**Citadel 2**

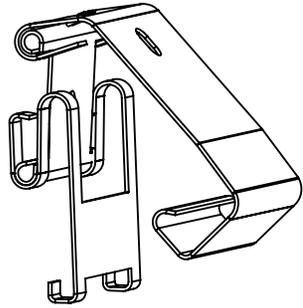
**Plastic Latch**

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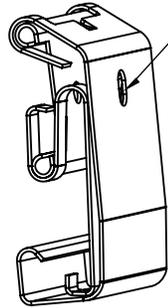


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# 316 SS LATCH CT2-LATCHSS

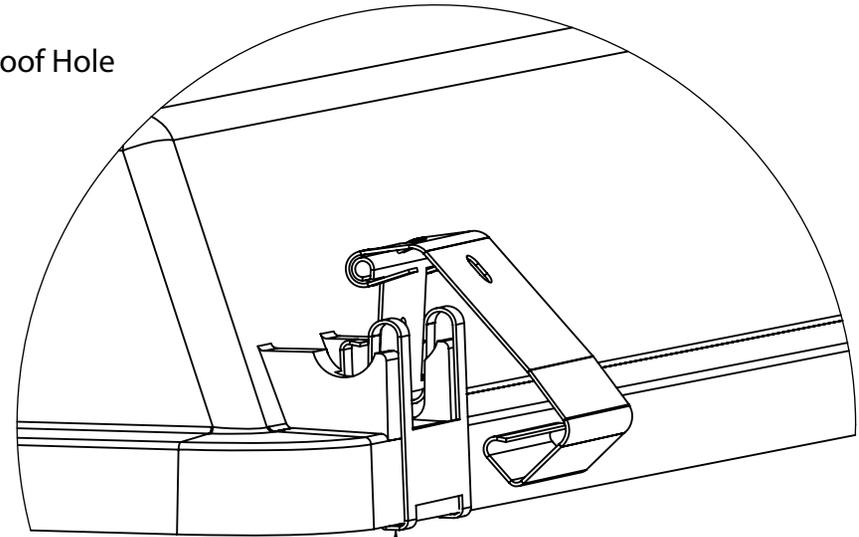


Opened



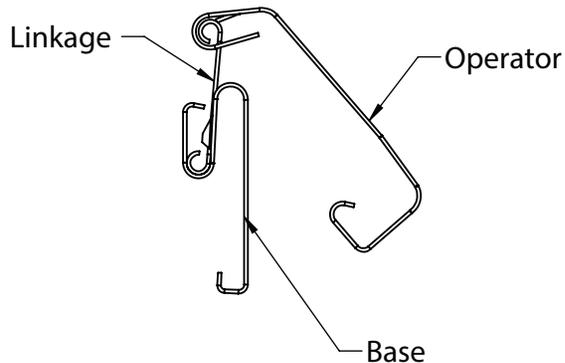
Closed

Tamper Proof Hole



Keeper Teeth go  
over lip of CT Housing

- Simple and Secure
- 316 Stainless Steel
- Latch is mechanically secure to the housing and prevents accidental loss of latch during fixture maintenance.



The latches come full assembled. Simply press the base into the latch pockets on the housing, and slip the keeper teeth over the edge of the housing.

For Tamper proofing use a 6-3/4" sheet metal screw

**Citadel 2**

**SS Latch**

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