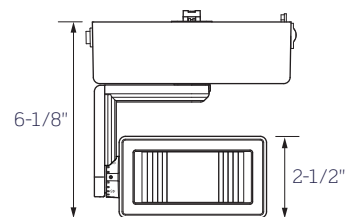
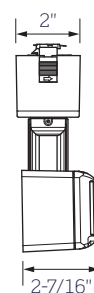
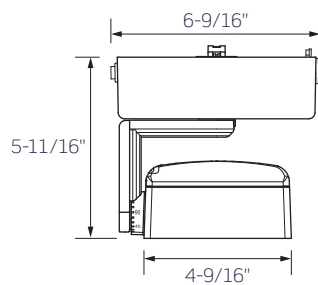
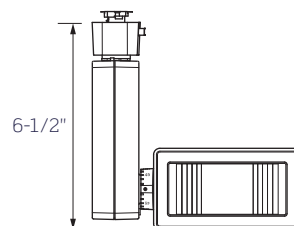
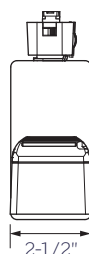
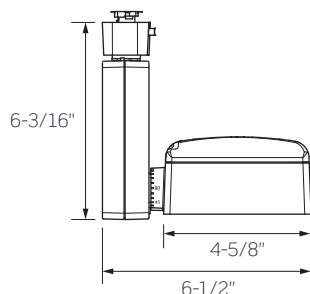






DATE

PROJECT

TYPE

## CTL19 | Mini Stealth Wall Lighter Track Luminaire



|   | CTL190   | CTL191 | CTL192 | CTL193 |
|---|--|--------|--------|--------|
| WATTAGE   | 14W  | 19W    | 28W    | 35W    |
| LUMEN OUTPUT <sup>1</sup>   | 1571Lm   | 2213Lm | 3128Lm | 3703Lm |
| COLOR TEMPERATURE   | 2700K, 3000K, 3500K, 4000K   |        |        |        |
| CRI   | 83 (80min) / 90+   |        |        |        |
| DRIVER INPUT WATTAGE  | 14W  | 19W    | 28W    | 35W    |
| DRIVER INPUT VOLTAGE  | 120V, 50/60Hz  |        |        |        |
| DIMMING TYPE  | 120V Forward Phase Only  |        |        |        |
| COMPATIBILITY   | CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/<br>Two Circuit Track Systems as well as Juno <sup>®4</sup> Lighting Trac-Master™ (T, TU)<br>Track System<br>HTL Units are compatible with Halo <sup>5</sup> Power-Trac (L64, L65) and Lazer (LZR)<br>Track Systems<br>LTL Units are compatible with Lightolier <sup>6</sup> Lytespan <sup>®</sup> 6000/1/2 Track Systems |        |        |        |
| LISTINGS<br>    | cCSAus Certified to UL Standards; Suitable for Dry Locations only<br>ENERGY STAR <sup>®</sup> Certified<br>DLC <sup>®</sup> Listed<br>Declare Compliant  |        |        |        |
| WARRANTY  | Five (5) year replacement after date of purchase   |        |        |        |
| SYSTEM RATING   | 50,000 Hours @ 70% Lumen Maintenance   |        |        |        |

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information
2. Dimmable at 120V Only
3. Juno is a registered trademark of Juno Lighting
4. Halo is a registered trademark of Cooper Lighting
5. Lightolier is a registered trademark of Signify

DATE

PROJECT

TYPE

## CTL19 | Mini Stealth Wall Lighter Track Luminaire

### ORDERING INFORMATION

Example Order:

CTL192V3D — P

| Track System                  | Luminaire               | Orientation           | Color Temp/CRI    |                    | Dimming Option     | Finish            |
|-------------------------------|-------------------------|-----------------------|-------------------|--------------------|--------------------|-------------------|
| CTL - ConTech                 | <b>190</b> - 14W/1571Lm | <b>H</b> - Horizontal | 83 (80min) CRI    | 90+ CRI            | <b>D</b> - Dimming | <b>B</b> - Black  |
| HTL <sup>4</sup> - Halo       | <b>191</b> - 19W/2213Lm | <b>V</b> - Vertical   | <b>27</b> - 2700K | <b>27C</b> - 2700K |                    | <b>P</b> - White  |
| LTL <sup>5</sup> - Lightolier | <b>192</b> - 28W/3128Lm |                       | <b>3</b> - 3000K  | <b>3C</b> - 3000K  |                    | <b>S</b> - Silver |
|                               | <b>193</b> - 35W/3703Lm |                       | <b>35</b> - 3500K | <b>35C</b> - 3500K |                    |                   |
|                               |                         |                       | <b>4</b> - 4000K  | <b>4C</b> - 4000K  |                    |                   |

For accessory ordering information, see page 3

### PRODUCT DETAILS

#### Construction

- High performance, eco-friendly LED track luminaire
- Smooth wide beam provides excellent uniformity, well suited for any wall lighting application
- Cast and finned aluminum heatsink thermally engineered to provide optimal heat dissipation, ensuring long life and consistent performance
- Lockable, precision aiming adjustment: 360°+ aiming horizontal and 360° vertical rotation
- Integral ON/OFF switch and track polarity indicator are standard
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- Accessory Holder, Barn Doors, Snoot and Visor will accept up to two (2) LF59 Lenses or FA-62 Louvers

#### Performance Summary

- Dimming available (120V only), allows smooth illumination down to 5%
- For dimmer compatibility of standard “D” driver option, refer to Dimming Specifications sheet
- CTL19 Luminaires operate at 120V with ERP drivers dimmable to 5%; for additional information, consult factory

#### Fixture Compatibility

- Standard ConTech track luminaires (CTL Units) are cCSAus certified as-is for use with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno® Lighting Trac-Master™ Systems.
- By changing the prefix of the part number, ConTech can install inserts which make our fixtures compatible with other manufacturers. Replace “CTL” with “HTL” for Halo® Power-Trac and Lazer-Track systems, and “LTL” for Lightolier Lytespan™ systems. For more information, consult factory.



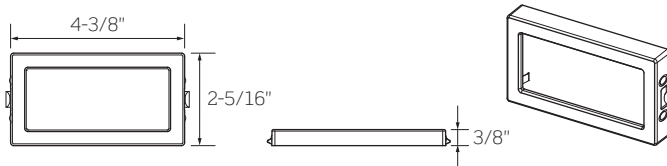
3. Juno is a registered trademark of Juno Lighting  
4. Halo is a registered trademark of Cooper Lighting  
5. Lightolier is a registered trademark of Signify

DATE

PROJECT

TYPE

## CTL19 SERIES | Mini Stealth Wall Lighter Accessories



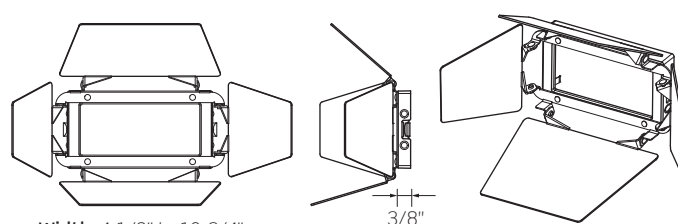
### Accessory Holder

Will accept up to two (2) LF59 Lenses or two (2) FA-62 Louvers.

**FA-59** - Accessory Holder

#### Finish

**B** - Black  
**P** - White  
**S** - Silver



Width: 4-1/2" to 10-3/4"  
Height: 3-1/2" to 9"

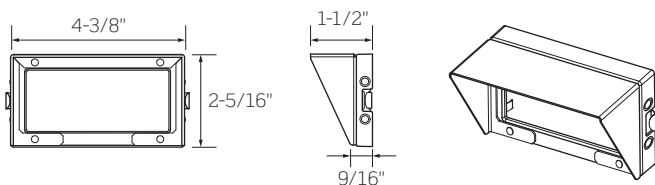
### Barn Doors

Barn Doors extend 3-inches max. from face of luminaire. Will accept up to two (2) LF59 Lenses or FA-62 Louvers.

**BD19** - Barn Doors

#### Finish

**B** - Black  
**P** - White  
**S** - Silver



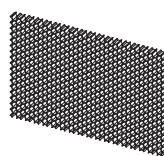
### Visor

Visor extends 1-9/16-inches from face of luminaire. Will accept up to two (2) LF59 Lenses or FA-62 Louvers. For White (-P) and Silver (-S) finishes, the inside surface is black.

**FA-61** - Visor

#### Finish

**B** - Black  
**P** - White  
**S** - Silver

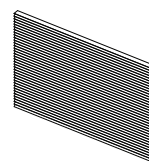


### Honeycomb Louver

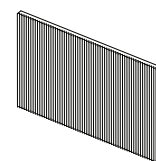
3-15/16" L x 2" H x 1/8" D

For glare control and lamp shielding. Black finish.

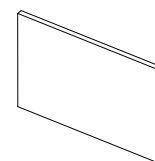
**FA-62** - Honeycomb Louver



Horizontal Linear Spread Lens (LSH)



Vertical Linear Spread Lens (LSV)

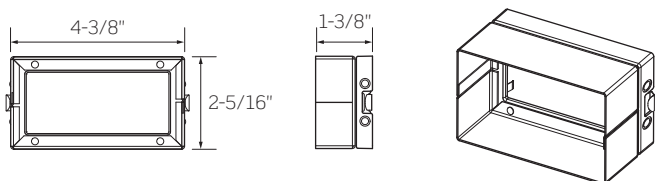


Standard Lens

### Tempered Glass Lenses

3-15/16" L x 2"H x 1/8" D

Requires Accessory Holder



### Snoot

Snoot extends 1-inch from face of luminaire. Will accept up to two (2) LF59 Lenses or FA-62 Louvers. For White (-P) and Silver (-S) finishes, the inside surface is black.

**FA-60** - Snoot

#### Finish

**B** - Black  
**P** - White  
**S** - Silver

**LF59**

#### Finish

**73** - Spread Lens  
**LSH** - Horizontal Linear Spread Lens  
*Elongates beams horizontally*  
**LSV** - Vertical Linear Spread Lens  
*Elongates beams vertically*  
**SL** - Soft Light  
**SOL** - Solite  
**UV** - Optivex UV Filter  
**A** - Amber  
**B** - Blue  
**CL** - Clear  
**DPE** - Dichroic Peach  
**G** - Green  
**LB** - Light Blue  
**R** - Red  
**RO** - Rose  
**Y** - Yellow

DATE

PROJECT

TYPE

# CTL19 SERIES | Mini Stealth Wall Lighter Track Luminaires

## PHOTOMETRICS: CTL193V3D/CTL193H3D

Footcandles on Wall: Track 3 Feet From Wall, 10 FT Mounting Height, Tilted 40 Degrees

| Distance from Ceiling |  | Single Unit |      |      |      |      |      | Multiple Units |                |                |     |    |     |     |    |     |
|-----------------------|--|-------------|------|------|------|------|------|----------------|----------------|----------------|-----|----|-----|-----|----|-----|
|                       |  | 0 FT        | 1 FT | 2 FT | 3 FT | 4 FT | 5 FT | 4 FT on Center | 6 FT on Center | 8 FT on Center |     |    |     |     |    |     |
|                       |  | ▲           |      |      |      |      |      | ▲              | ▲              | ▲              |     |    |     |     |    |     |
| 1 FT                  |  | 77          | 71   | 42   | 17.8 | 5.1  | 2    | 82             | 84             | 82             | 78  | 26 | 78  | 77  | 10 | 77  |
| 2 FT                  |  | 140         | 127  | 76   | 33   | 14   | 5    | 154            | 152            | 154            | 141 | 66 | 141 | 140 | 28 | 140 |
| 3 FT                  |  | 114         | 106  | 73   | 37   | 17   | 8    | 131            | 147            | 131            | 117 | 75 | 117 | 114 | 34 | 114 |
| 4 FT                  |  | 73          | 69   | 54   | 33   | 17   | 9    | 90             | 107            | 90             | 77  | 66 | 77  | 73  | 34 | 73  |
| 5 FT                  |  | 43          | 42   | 36   | 25   | 15   | 8    | 59             | 71             | 59             | 48  | 51 | 48  | 45  | 31 | 45  |
| 6 FT                  |  | 26          | 26   | 23   | 18   | 13   | 8    | 39             | 46             | 39             | 31  | 36 | 31  | 28  | 25 | 28  |
| 7 FT                  |  | 16          | 16   | 15   | 12   | 9    | 6    | 26             | 30             | 26             | 21  | 25 | 21  | 18  | 19 | 18  |
| 8 FT                  |  | 11          | 10   | 10   | 9    | 7    | 4    | 17             | 20             | 17             | 14  | 17 | 14  | 12  | 13 | 12  |
| 9 FT                  |  | 7           | 7    | 7    | 6    | 5    | 4    | 12             | 13             | 12             | 10  | 12 | 10  | 9   | 10 | 9   |

▲ is beam center

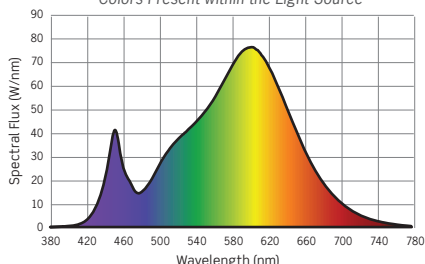
Footcandles on Wall: Track 4 Feet From Wall, 10 FT Mounting Height, Tilted 40 Degrees

| Distance from Ceiling |  | Single Unit |      |      |      |      |      | Multiple Units |                |                |    |    |    |    |    |    |
|-----------------------|--|-------------|------|------|------|------|------|----------------|----------------|----------------|----|----|----|----|----|----|
|                       |  | 0 FT        | 1 FT | 2 FT | 3 FT | 4 FT | 5 FT | 4 FT on Center | 6 FT on Center | 8 FT on Center |    |    |    |    |    |    |
|                       |  | ▲           |      |      |      |      |      | ▲              | ▲              | ▲              |    |    |    |    |    |    |
| 1 FT                  |  | 36          | 35   | 27   | 16   | 8    | 3    | 43             | 54             | 43             | 37 | 32 | 37 | 36 | 15 | 36 |
| 2 FT                  |  | 68          | 65   | 50   | 29   | 15   | 8    | 83             | 100            | 83             | 71 | 59 | 71 | 69 | 30 | 69 |
| 3 FT                  |  | 77          | 74   | 59   | 38   | 20   | 10   | 97             | 118            | 97             | 83 | 75 | 83 | 78 | 40 | 78 |
| 4 FT                  |  | 62          | 60   | 51   | 35   | 21   | 12   | 83             | 102            | 83             | 69 | 71 | 69 | 64 | 42 | 64 |
| 5 FT                  |  | 45          | 43   | 39   | 29   | 19   | 12   | 64             | 77             | 64             | 52 | 58 | 52 | 47 | 38 | 47 |
| 6 FT                  |  | 31          | 30   | 28   | 22   | 16   | 11   | 47             | 55             | 47             | 37 | 45 | 37 | 33 | 32 | 33 |
| 7 FT                  |  | 21          | 20   | 19   | 17   | 13   | 9    | 34             | 39             | 34             | 27 | 33 | 27 | 24 | 26 | 24 |
| 8 FT                  |  | 14          | 14   | 13   | 12   | 10   | 8    | 24             | 27             | 24             | 20 | 24 | 20 | 17 | 20 | 17 |
| 9 FT                  |  | 10          | 10   | 10   | 9    | 8    | 6    | 18             | 19             | 18             | 15 | 17 | 15 | 13 | 15 | 13 |

▲ is beam center

Spectral Power Distribution Chart

Colors Present within the Light Source



Color Rendering Index (CRI): 82.5

Accuracy of Rendering Colors

Color Temperature (CCT): 3105K

Color Appearance of Light Source

Designed for 50,000 Hour Lamp Life Dependent on Surrounding Temperatures

LM-79 Test: S20090401

| LED SERIES        | WATTAGE | TOTAL WATTS @ 120V | DELIVERED LUMENS | LM/W  | LM-63 TEST |
|-------------------|---------|--------------------|------------------|-------|------------|
| CTL190 - SERIES 0 | 14W     | 13.3W              | 1571.1Lm         | 118.4 | G20090401  |
| CTL191 - SERIES 1 | 19W     | 19.1W              | 2212.5Lm         | 116.1 | G20090303  |
| CTL192 - SERIES 2 | 28W     | 27.5W              | 3128.2Lm         | 113.6 | G20030302  |
| CTL193 - SERIES 3 | 35W     | 35.4W              | 3702.7Lm         | 104.6 | G20090301  |

## PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on wattage, CCT and CRI. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

| CCT MULTIPLIERS |         |          |       |         |          | OUTPUT MULTIPLIERS |              |              |
|-----------------|---------|----------|-------|---------|----------|--------------------|--------------|--------------|
| CCT             | STD CRI | HIGH CRI | CCT   | STD CRI | HIGH CRI | 14W/SERIES 0       | 19W/SERIES 1 | 28W/SERIES 2 |
| 2700K           | 0.95    | 0.74     | 3500K | 1.03    | 0.89     | 0.42               | 0.40         | 0.84         |
| 3000K           | N/A     | 0.85     | 4000K | 1.07    | 0.92     |                    |              |              |

DATE

PROJECT

TYPE

# CTL19 SERIES | Mini Stealth Wall Lighter Track Luminaires

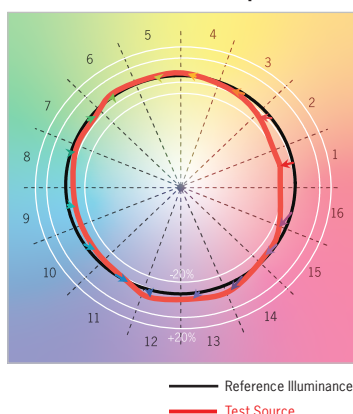
## PHOTOMETRICS

### TM-30 DATA: CTL193V3D/CTL193H3D

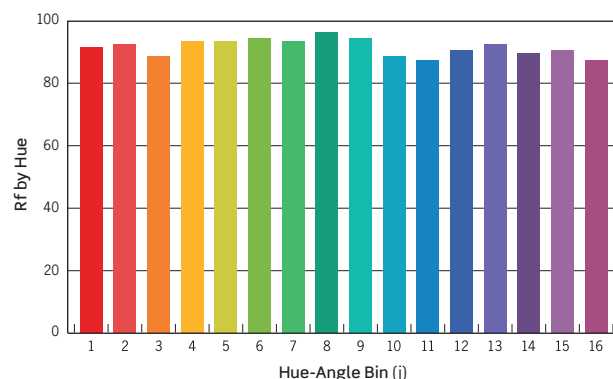
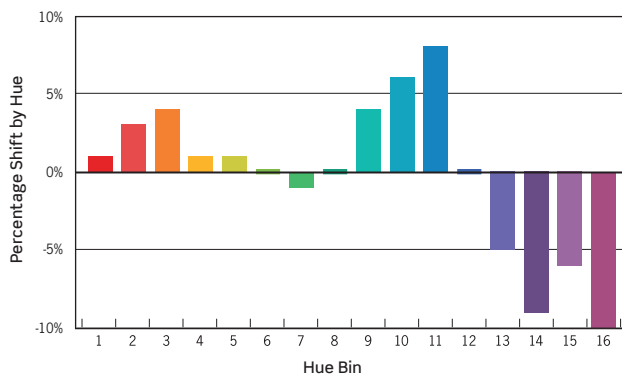
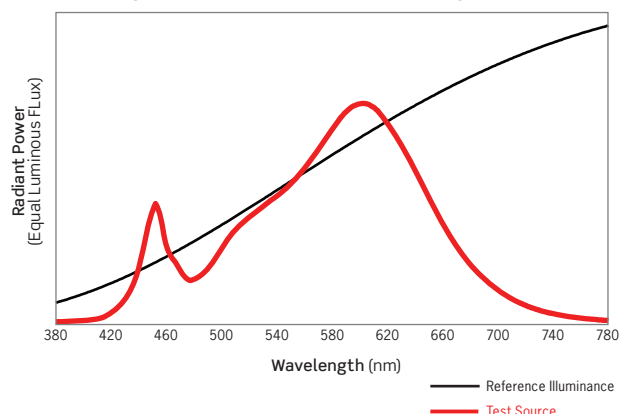
ANSI/IES TM-30-18 Color Rendition Report Test No. S21012902

|          |        |
|----------|--------|
| $R_f$    | 85     |
| $R_g$    | 96     |
| CCT(K)   | 3105K  |
| $D_{uv}$ | 0.0008 |
| $u^I$    | 0.2467 |
| $v^I$    | 0.5204 |

Color Vector Graphic



Spectral Power Distribution Comparison



| HUE BIN              | 1  | 2  | 3  | 4  | 5  | 6  | 7   | 8   | 9  | 10 | 11 | 12 | 13  | 14  | 15  | 16   |
|----------------------|----|----|----|----|----|----|-----|-----|----|----|----|----|-----|-----|-----|------|
| HUE SHIFT            | 0% | 3% | 5% | 3% | 3% | 0% | -2% | -1% | 2% | 6% | 8% | 2% | -3% | -7% | -6% | -10% |
| R <sub>f</sub> VALUE | 92 | 93 | 89 | 94 | 94 | 95 | 94  | 97  | 95 | 89 | 88 | 91 | 93  | 90  | 91  | 88   |

Colors are for visual orientation purposes only

DATE

PROJECT

TYPE

# CTL18/CTL19 SERIES | Stealth Series Track Luminaires: Dimming Specifications

- Incandescent 120V AC Dimmers adjust the light with *Forward Phase Control*, where the Dimmer “chops” the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120V AC Dimmers adjust the light with *Reverse Phase Control*, where the Dimmer “chops” the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.
- Lutron HiLume Drivers provide continuous dimming from 1%–100%. For a complete list of compatible Dimmers and Controls, visit [www.lutron.com](http://www.lutron.com)

|              |             |           | TRIAC, ELV, 0-10V DIMMING<br>(MVD Option*) |
|--------------|-------------|-----------|--|
| Manufacturer | Product     | Model     | Light Output                               |
| Leviton      | Vizia       | VPE06     | 4%-100%                                    |
| Leviton      | Decora      | 6673-10W  | 11%-100%                                   |
| Lutron       | Ariadni     | TGCL-153P | 0%-100%                                    |
| Lutron       | Diva        | DVCL-153P | 0%-100%                                    |
| Lutron       | Diva        | DVELV303P | 3%-100%                                    |
| Lutron       | Skylark     | SELV300P  | 3%-100%                                    |
| Lutron       | Maestro     | MAELV600  | 0%-100%                                    |
| Lutron       | Faetra      | FAELV500  | 7%-100%                                    |
| Lutron       | Skylark C   | SCL-153P  | 0%-100%                                    |
| Lutron       | Maestro C•L | MACL-153M | 0%-99%                                     |
| Lutron       | RA2 Select  | RRD-6CL   | 2%-98%                                     |

\*277V Triac Dimming is not available

## NOTES

1. If light is measured, then the dimming range is based on light output. If light is not measured, then the dimming range is based on the percentage of output current.
2. Testing was performed with a single fixture connected to dimmer.
3. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
4. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
5. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
6. Consult factory for additional dimming information.