# LUXLINEAR™

**SLIM 1008** Indoor/Dry Location Series

## SLIM FITTING

Big things do come in slim packages, and **LUXLINEAR™ Slim Profile 1008 LED light tubes** are no exception. Providing focused lighting in a low, compact profile, Slim 1008 light tubes are designed for illuminating tight, space-sensitive applications without sacrificing brightness. Despite its low profile, you won't see hot spots when you use this light tube! Mix and match LUXLINE™ strips up to 6mm in width, including RGB strips, to achieve the brightest illumination you desire.

### ASSURED QUALITY

c(UL)us LISTED
**E477011**

Quality approved
**100% QC**

**5** YEAR
**LIMITED WARRANTY**

### KEY FEATURES

**POWERED BY LUXLINE™ LED STRIP**

**SLIM WIDTH**

**CUSTOM LENGTHS**

**PROTECTS AGAINST DUST & DEBRIS**

**COMES WITH 2 MOUNTING CLIPS**

**SHIPS FULLY ASSEMBLED**

## MECHANICAL

### CONSTRUCTION & BASE MATERIAL

**Extrusion Material** Anodized aluminum
**Extrusion Max. Run** 6.5 ft. (2m) per individual extrusion. There is no limit to the length of your channel extrusion. For applications requiring extrusions longer than 6.5 ft., we recommend mounting individual extrusions side by side to achieve the desired length. Extending extrusions in this way has no effect on lighting performance.
**Mounting Clip Material** Steel
**End Cap Material** Polypropylene
**Diffuser Lens Material** Polypropylene

### COMPLIANCE & REGULATORY APPROVAL

**UL** E477011 · **RoHs** · **CE** · **Warranty** 5 years

### TUBE OPTIONS

**Diffuser Lens** Frosted · Clear · No lens
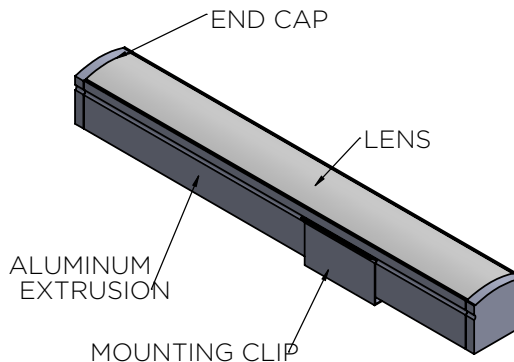
### FINISHES

**Aluminum Finish** Anodized aluminum
**Available Powdercoat Finish** Gloss · Matte · Textured · Metallic
**Available Colors**

Moon Gray

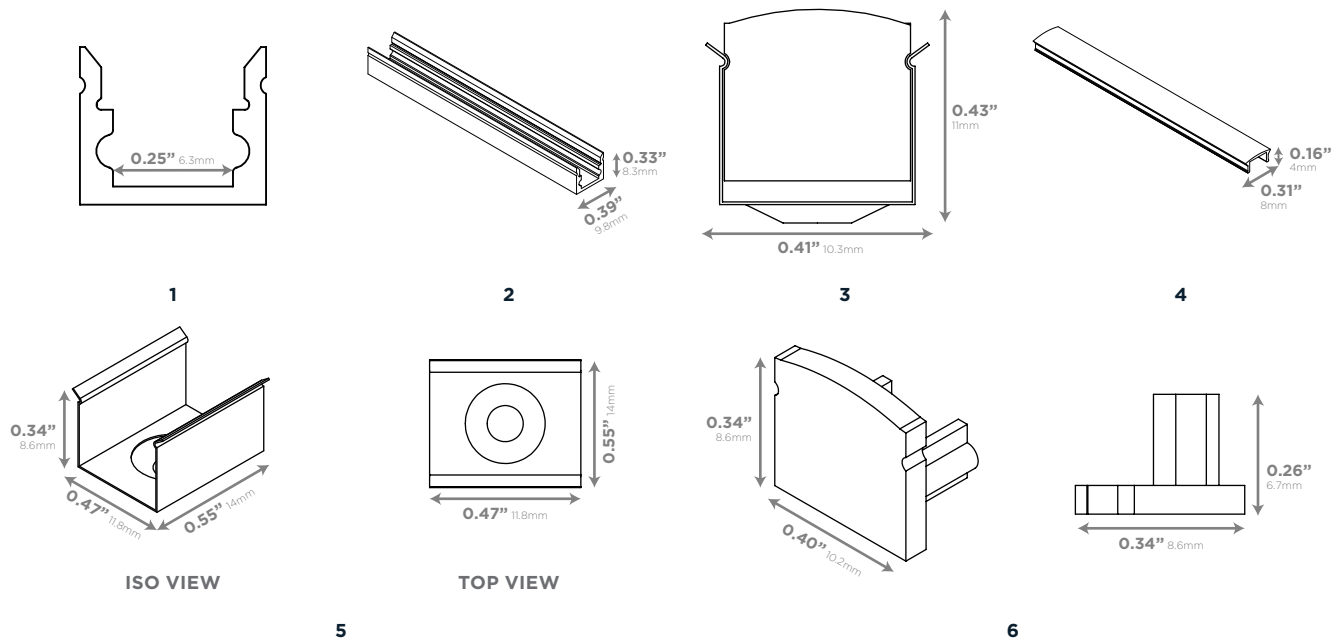Custom Color Powdercoat

### ASSEMBLED PROFILE

END CAP

LENS

ALUMINUM EXTRUSION

MOUNTING CLIP

| PROJECT NAME/NO. | PART NUMBER |
|---|---|
| SPECIFIED BY | NOTE |

# LUXLINEAR™

### SLIM 1008    Indoor/Dry Location Series

**0.25"** 6.3mm

**1**

**0.33"** 8.3mm
**0.39"** 9.8mm

**2**

**0.43"** 11mm
**0.41"** 10.3mm

**3**

**0.16"** 4mm
**0.31"** 8mm

**4**

**0.34"** 8.6mm
**0.47"** 11.8mm    **0.55"** 14mm

**ISO VIEW**

**0.55"** 14mm
**0.47"** 11.8mm

**TOP VIEW**

**5**

**0.34"** 8.6mm
**0.40"** 10.2mm

**0.26"** 6.7mm
**0.34"** 8.6mm

**6**

## PRODUCT DIMENSIONS

| # | COMPONENT | DIMENSIONS | MATERIAL | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 1 | Channel Width | 0.25"<br>6.4mm | Anodized aluminum | Moon Gray | Refers to the interior space within the extrusion. LUXLINE™ LED strips must be no larger than the channel width to fit inside LUXLINEAR™ tubes. |
| 2 | Aluminum Extrusion | 0.39" X 0.33"<br>9.8mm X 8.3mm | | | Encases LUXLINE™ LED strips in a sleek container which helps prevent the strip against dust, debris, water and moisture. Also acts as a heat sink to prolong the lifespan of the LUXLINEAR™ LED strip tape contained within. |
| 3 | Channel Cross-Section & Mounting Clips | 0.41" X 0.43"<br>10.3mm X 11vmm | | | Provides the the absolute maximum width of the installed aluminum extrusion snapped into the mounting clip. |
| 4 | Diffuser Lens | 0.31" X 0.16"<br>8mm X 4mm | Polyproylene | Frosted | Helps protect LUXLINE™ LED strip lights contained within LUXLINEAR™ tubes against dust, debris & moisture. Softens the light beam intensity.<br>Diffuser may marginally shift Kelvin temperature and decrease lumen output. |
| | | | | Clear | Helps protect LUXLINE™ LED strip lights contained within LUXLINEAR™ tubes against dust, debris & moisture without affecting color temperature or lumen output. |
| 5 | Mounting Clips | 0.47" X 0.55" X 0.34"<br>11.8mm X 14mm X 8.6mm | Steel | Moon Gray | To install, clips may be screwed into a surface with a flat screw. LUXLINEAR may be inserted into the installed clip for mounting. 2 clips are provided for every tube ≤48" length.<br>For every additional 48", 2 extra clips will be provided. Please ask a Sales Rep if more clips are needed |
| 6 | End Caps | 0.40" X 0.34" X 0.26"<br>10.2mm X 8.6mm X 6.7mm | Polyproylene | Crater Gray | End caps are provided in pairs and come with one closed end and one open cap that allows for wires up to 18 AWG to pass through. |

| PROJECT NAME/NO. | PART NUMBER |
|---|---|
| | |
| SPECIFIED BY | NOTE |
| | |

# LUXLINEAR™

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# ELECTRICAL

## MAX. LOAD & MAX LED STRIP WIDTH

**Max. Load** Depends on the type of LUXLINE™ or equivalent LED strip is used to power the LUXLINEAR™ LED Tube extrusion. Please reach out to a Sales Team Member for more information about Max Load & Power Capacity for our various LUXLINE™ LED Strips.

**Max. LED Strip Width** This profile will only accommodate strips up to and less than 0.25" (6.4mm) wide.

## COMPATIBLE LUXLINE™ LED STRIPS

· **LUXLINE 2835L, 2835H**[1] 0.16"(4mm)
· **LUXLINE 2016, 3528H** 0.20"(5mm)
· **LUXLINE 3528 (RGB)** 0.24" (6mm)

1 LUXLINE 2835L & 2835H are only available upon request.

## SAFETY DISCLOSURES

**Electric Code Compliance** Please make sure to install LUXLINEAR™ in accordance with standard national and local electrical codes.
**Outdoor Usage** LUXLINEAR™ is meant to be used for indoor dry location applications only.
**Damp Location** LUXLINEAR™ may be used in damp location environments only if the LUXLINEAR™ or equivalent LED strip assembled with the product has been treated with the appropriate IP rating for damp location use.
**Manufacturer Recommended Parts for Best Performance** LUXLINEAR's lighting performance is at its best when purchased and utilized with LUXLINE™ LED strips. For easiest installation, please mount LUXLINEAR™ with the provided mounting clips or 3M adhesive.
**Actual Product Color May Vary** Please note that the product color as seen in this specification sheet, photography, and related marketing material for this product may vary slightly from your actual customized product due to photographic and design limitations.
**Specifications are Subject to Change Without Notice** While we try to make every effort to inform customers of updates to our products, we reserve the right to make modifications and improvements to our fixture specifications and designs without advance notice.
**Manufacturer is Not Liable for Matching Fixtures to Pre-Existing Fixture Installations** We cannot guarantee matching the CCT appearance, product design, or lumen output for pre-installed fixtures or reorders.

## LUMEN DATA FOR COMPATIBLE LUXLINE™ STRIPS

| COMPATIBLE LUXLINE STRIP | | FROSTED LENS | | CLEAR LENS | | NO LENS | |
|---|---|---|---|---|---|---|---|
| SIZE | WIDTH | BEAM ANGLE | LUMEN OUTPUT | BEAM ANGLE | LUMEN OUTPUT | BEAM ANGLE | LUMEN OUTPUT |
| LUXLINE 2835L* | 0.16" 4mm | 135° | 136 lm | 130° | 219 lm | 111° | 259 lm |
| LUXLINE 2835H* | 0.16" 4mm | 135° | 190 lm | 130° | 307 lm | 111° | 362 lm |
| LUXLINE 2016 | 0.20" 5mm | 135° | 136 lm | 130° | 219 lm | 111° | 259 lm |
| LUXLINE 3528H | 0.20" 5mm | 135° | 108 lm | 130° | 175 lm | 111° | 207 lm |
| LUXLINE 3528 - RGB | 0.24" 6mm | 135° | 81 lm | 130° | 132 lm | 111° | 155 lm |

*Available upon request.*

| PROJECT NAME/NO. | PART NUMBER |
|---|---|
| SPECIFIED BY | NOTE |

# LUXLINEAR™

**SLIM 1008**  Indoor/Dry Location Series

## APPLICATIONS

### ILLUMINATION TYPE

| | |
|---|---|
| Backlighting | Yes |
| Under Cabinet Lighting | Yes |
| Retail & POP Display | Yes |
| Showcase Lighting | Yes |
| Display Lighting | Yes |

### ADJUSTABILITY & COMPATIBILITY

| | |
|---|---|
| Adjustable after mounting | No |
| Smart Track System compatible | No |
| Direct end-to-end connectable | No |
| IC Chip compatible | No |

### MOUNTING

| | |
|---|---|
| Surface | Yes |
| 45 degree | Yes |
| Recessed - for mitered groove | Yes |
| Outdoor | No |
| Flangeless | Yes |
| Flange | Yes |



## INSTALLATION

**Field Cuttable** LUXLINEAR™ is fully field cuttable and may be cut at any point along the extrusion to match the length of your preferred LUXLINE™ or equivalent LED strip.

**Hotspots** Possible dark spotting on edges may appear due to final fixture dimension and LED cutting length and voltage.

**Environment** Indoor/dry location only. For best performance, avoid mounting assembled extrusions in direct sunlight. Avoid mounting LUXLINEAR™ near direct water contact or surfaces subject to puddling caused by rainfall or sprinkler sprays. Our craftsmen make every effort to customize and assemble your extrusion to perfection. Even so, dust, debris, water, or moisture may still enter the extrusion through the adjoining pieces over time.

**Indoor Damp Location Safe** Only with appropriate IP rating and proper damp location treatment to the LUXLINE™ LED strip contained within the assembled extrusion. Ask a Sales Rep for more information about customizing your preferred LUXLINE™ LED strip for custom damp location IP ratings through IP 67.

**Mounting** Extrusion may be mounted with 3M adhesives or by drilling with provided mounting clips. To mount with mounting clips, drill a flat-top screw through the mounting clip's pre-cut hole. After fastening the mounting clips to your installation surface, snap the assembled extrusion into the installed mounting clip to mount it. LEDCONN highly recommends using the provided mounting clips for best results and easy installation.

## AVAILABLE PROFILES*
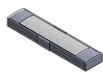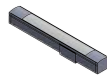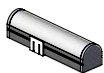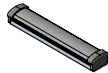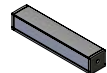


| NORMAL | LOW | SLIM | CORNER |
|---|---|---|---|
| **1715** | **1707** | **1008** | **1919** |



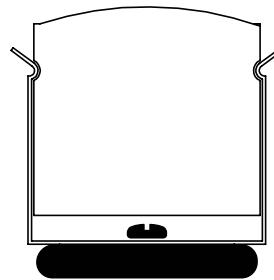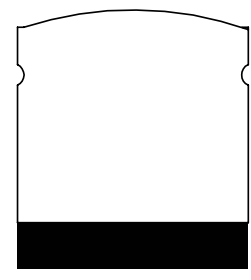| ROUND | FLAT | SQUARE |
|---|---|---|
| **2019** | **1408M** | **1513M** |

*Special profiles available upon request.*
*Contact a Project Specialist for more information.*

**MOUNTING TYPES**



MOUNTING CLIP          MAGNET OR TAPE

| PROJECT NAME/NO. | PART NUMBER |
|---|---|
| **SPECIFIED BY** | **NOTE** |

301 Thor Place, Brea, CA 92821 | **tel** (714) 256-2111 | **fax** (714) 256-2118 | sales@ledconn.com | **www.ledconn.com**

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# LUXLINEAR™

## SLIM 1008 — Indoor/Dry Location Series

## LUXLINEAR™ LIGHT TUBE PART NUMBER

**EXAMPLE**

| ST84YAB-2835R | ST | 84 | Y | A | B | -2016 | -M -N |
|---|---|---|---|---|---|---|---|

| | SLIM 1008 | 84" | 4100K | DIFFUSED | DC BARREL | 2016/182/5 | OPTIONAL |
|---|---|---|---|---|---|---|---|
| | PRODUCT LINE/PROFILE | LENGTH | COLOR TEMPERATURE (CCT) | LENS | CONNECTOR | LED STRIP TYPE | ARRANGEMENT |

**BUILD IT!**

FOR MOUNTING OR END CAPS ONLY
OMIT IF N/A

**PRODUCT LINE/PROFILE TYPE**

**ST**  LUXLINEAR/SLIM 1008

**LENGTH (IN INCHES)**

**LL**  LENGTH VARIES)

**COLOR TEMPERATURE (CCT)**

**W**  6500K
**V**  5300K
**Y**  4100K
**Z**  3000K
**T**  TRICOLOR (RGB)
**R**  RED
**G**  GREEN
**B**  BLUE
**C**  CUSTOM CCT
**N**  NON-LIT (TUBE ONLY)

**LENS**

**A**  FROSTED (DIFFUSED)
**N**  CLEAR LENS (NON-DIFFUSED)
**E**  NO LENS

**CONNECTOR**

**B**  DC BARREL JACK
**H**  HARDWIRE
**M**  MOLEX®
**C**  SPECIAL
**N**  NO CONNECTOR & NO WIRING

**LED**

*OMIT if RGB*

**-2016**  2016/182/5 (5mm)
**-3528H**  3528H/90/5 (5mm)
**-2835L**  2835L/120/4 (4mm)
**-2835H**  2835H/180/4 (4mm)
**-2735**  RGB (6mm)

**ARRANGEMENT**

*Select all that apply and write in relative order*

**-M**  MAGNETIC MOUNTING, MAGNETIC BACKER ADDED TO THE CHANNEL (OMIT IF N/A)
**-N**  NO END CAPS

## MOUNTING CLIP PART NUMBER

**EXAMPLE**

| ZTC-ST | ZTC | -ST |
|---|---|---|

| | CLIP | SLIM 1008 |
|---|---|---|
| | PRODUCT LINE | PROFILE |

**BUILD IT!**

**PRODUCT LINE**

**ZTC**  LUXLINEAR MOUNTING CLIP

**PROFILE**

**-ST**  SLIM 1008



DIFFUSER LENS
MOUNTING CLIP
ALUMINUM EXTRUSION
END CAP

| PROJECT NAME/NO. | PART NUMBER |
|---|---|
| SPECIFIED BY | NOTE |