

LUXLINEAR™

LOW 1707

Indoor/Dry Location Series

SLEEKER ILLUMINATION

Our **LUXLINEAR™ Low Profile 1707 LED light tubes** is specially designed to fit into and illuminate slimmer, compact fixtures and applications. The profile's shorter height provides a way to hide the light fixture inside or under a fixture's lip for a sleeker look. Put your light fixture on display, or conceal it so that your design looks seamless - the choice is yours. Like all LUXLINEAR™ products, this profile is compatible with many LUXLINEAR™ LED Light Strips.



ASSURED QUALITY



E477011



100% QC

LIMITED
WARRANTY

KEY FEATURES

POWERED
BY LUXLINE™
LED STRIP

SLIM WIDTH

CUSTOM
LENGTHSPROTECTS
AGAINST DUST
& DEBRISCOMES WITH
2 MOUNTING
CLIPSSHIPS 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 Clear anodized aluminum

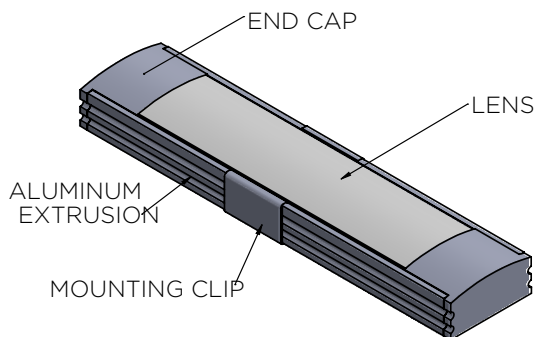
Available Powdercoat Finish Gloss • Matte • Textured • Metallic

Available Colors


Moon Gray

Custom Color
Powdercoat

ASSEMBLED PROFILE

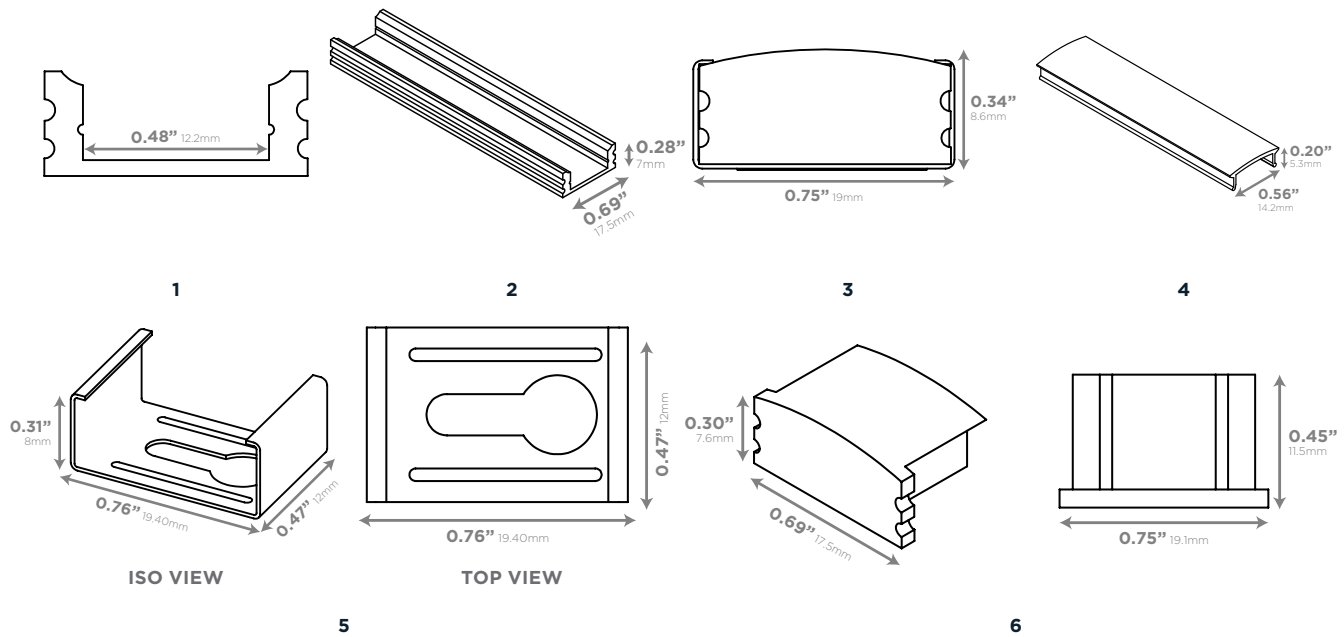


| | |
|------------------|-------------|
| PROJECT NAME/NO. | PART NUMBER |
| SPECIFIED BY | NOTE |

LUXLINEAR™

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PRODUCT DIMENSIONS

| # | COMPONENT | DIMENSIONS | MATERIAL | COLOR | DESCRIPTION |
|---|--|---|-------------------|-------------|--|
| 1 | Channel Width | 0.48\" 12.2mm | | | Refers to the interior space within the extrusion. LUXLINEAR™ LED strips must be no larger than the channel width to fit inside LUXLINEAR™ tubes. |
| 2 | Aluminum Extrusion | 0.69\" X 0.28\" 17.5mm X 7mm | Anodized aluminum | Moon Gray | Encases LUXLINEAR™ LED strips in a sleek container which keeps dust, debris, water and moisture away from the strip. Also acts as a heat sink to prolong the lifespan of the LUXLINEAR™ LED strip tape contained within. |
| 3 | Channel Cross-Section & Mounting Clips | 0.75\" X 0.34\" 19mm X 8.6mm | | | Provides the the absolute maximum width of the installed aluminum extrusion snapped into the mounting clip. |
| 4 | Diffuser Lens | 0.56\" X 0.2\" 14.2mm X 5.3mm | Polypropylene | Frosted | Helps protect LUXLINEAR™ LED strip lights contained within LUXLINEAR™ tubes against dust, debris & moisture. Softens the light beam intensity. Diffuser may marginally shift Kelvin temperature and decrease lumen output. |
| | | | | Clear | Helps protect LUXLINEAR™ LED strip lights contained within LUXLINEAR™ tubes against dust, debris & moisture without affecting color temperature or lumen output. |
| 5 | Mounting Clips | 0.75\" X 0.47\" X 0.34\" 19mm X 12mm X 8.7mm | 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 \leq 48\" length. For every additional 48\", 2 extra clips will be provided. Please ask a Sales Rep if more clips are needed. |
| 6 | End Caps | 0.69\" X 0.45\" X 0.30\" 17.5mm X 11.4mm X 7.6mm | Polypropylene | 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. |

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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 0.48" (12.2mm) wide.

COMPATIBLE LUXLINE™ LED STRIPS

- LUXLINE 2835L, 2835H¹ 0.16" (4mm)
- LUXLINE 2016, 3528H 0.20" (5mm)
- LUXLINE 3528 (RGB) 0.24" (6mm)
- LUXLINE 2835R, 2835R0, 3528 (Tunable White) 0.31" (8mm)

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 | 150° | 129 lm | 154° | 207 lm | 154° | 259 lm |
| LUXLINE 2835H* | 0.16" 4mm | 150° | 181 lm | 154° | 290 lm | 154° | 362 lm |
| LUXLINE 2016 | 0.20" 5mm | 150° | 129 lm | 154° | 207 lm | 154° | 259 lm |
| LUXLINE 3528H | 0.20" 5mm | 150° | 104 lm | 154° | 166 lm | 154° | 207 lm |
| LUXLINE 3528 - RGB | 0.24" 6mm | 150° | 78 lm | 154° | 124 lm | 154° | 155 lm |
| LUXLINE 2835R | 0.31" 8mm | 150° | 129 lm | 154° | 207 lm | 154° | 259 lm |
| LUXLINE 2835R0 | 0.31" 8mm | 150° | 91 lm | 154° | 146 lm | 154° | 182 lm |
| LUXLINE 3528 - Tunable White | 0.31" 8mm | 150° | 129 lm | 154° | 207 lm | 154° | 259 lm |

*Available upon request.

| | |
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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 |

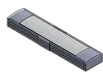
MOUNTING

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

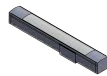
AVAILABLE PROFILES*



NORMAL
1715



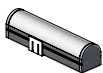
LOW
1707



SLIM
1008



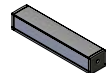
CORNER
1919



ROUND
2019



FLAT
1408M



SQUARE
1513M

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



INSTALLATION

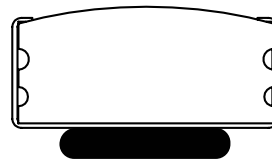
Field Cuttable LUXLINEAR™ is fully field cuttable and may be cut at any point along the extrusion to match the length of your preferred LUXLINE™ or equivalent LED strip.

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

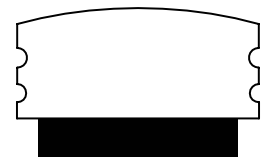
Environment Indoor/dry location only. For best performance, avoid mounting assembled extrusions in direct sunlight. Avoid mounting LUXLINEAR™ near direct water contact or surfaces subject to puddling caused by rainfall or sprinkler sprays. Our craftsmen make every effort to customize and assemble your 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.



W/MOUNTING CLIP



W/O MOUNTING CLIP

MAGNET/TAPE MOUNT

| | |
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LUXLINEAR™ LIGHT TUBE PART NUMBER

EXAMPLE

LT84WAB-2835R

LOW 1707

84"

6500K

DIFFUSED

DC BARREL

2835R/120/8

OPTIONAL

LT

84

W

A

B

-2835R

-M -N

PRODUCT
LINE/PROFILE

LENGTH

COLOR
TEMPERATURE
(CCT)

LENS

CONNECTOR

LED STRIP TYPE

ARRANGEMENT

BUILD IT!

PRODUCT LINE/PROFILE TYPE

LT LUXLINEAR™/LOW 1707

LENGTH (IN INCHES)

LL LENGTH VARIES)

COLOR TEMPERATURE (CCT)

W 6500K

V 5300K

Y 4100K

Z 3000K

T TRICOLOR (RGB)

A ADJUSTABLE (TUNABLE WHITE)

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 or tunable white

-2016 2016/182/5 (5mm)

-2835R 2835R/120/8 (8mm)

-2835RO 2835RO/84/8 (8mm)

-3528H 3528H/90/5 (5mm)

-2835L 2835L/120/4 (4mm)

-2835H 2835H/180/4 (4mm)

ARRANGEMENT

Select all that apply and write in relative order

-M MAGNETIC MOUNTING, MAGNETIC
BACKER ADDED TO THE CHANNEL

-N NO END CAPS

FOR MOUNTING
OR END CAPS ONLY
OMIT IF N/A

MOUNTING CLIP PART NUMBER

EXAMPLE

ZTC-LT/CT

CLIP

LOW 1707

ZTC

-LT/CT

PRODUCT LINE

PROFILE

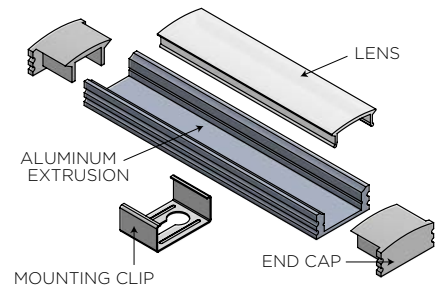
PRODUCT LINE

ZTC LUXLINEAR™ MOUNTING CLIP

PROFILE

LT/CT LOW 1707/CORNER 1919

BUILD IT!



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