LUXLINEAR™

FLAT 1408M Magnet Series

MIX & MATCH

For most custom applications requiring a slim, rigid lighting solution, we offer our **LUXLINEAR™ 1408M LED light tubes**. The Magnet series can adhere to metal surfaces directly and easily without extra parts. We custom cut and assemble each tube light unique to your application needs. Each tube is conveniently designed to be compatible with various LUXLINE™ LED Light Strips. Featuring superior craftsmanship, you will be satisfied when you choose LUXLINEAR™ for your next project.

ASSURED QUALITY

- E477011
- 100% QC
- LIMITED WARRANTY (5 YEAR)

KEY FEATURES

- POWERED BY LUXLINE™ LED STRIP
- SLIM WIDTH
- CUSTOM LENGTHS
- SHIPS FULLY ASSEMBLED
- PROTECTS AGAINST DUST & DEBRIS
- FLAT & COMPACT
- MAGNETIC FOR EASY INSTALL

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.
Magneted Mounting Magnet
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

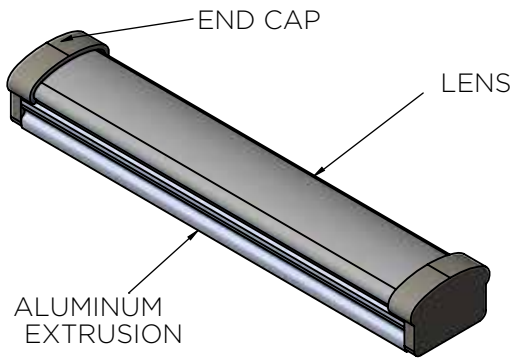
FINISHES

Aluminum Finish Clear anodized aluminum
Available Powdercoat Finish Gloss · Matte · Textured
Available Colors

Moon Gray

Custom Color Powdercoat

ASSEMBLED PROFILE



PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE

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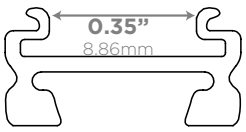
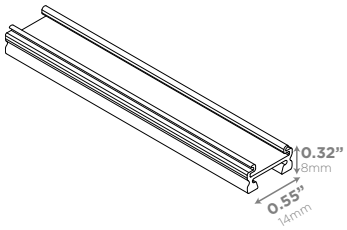


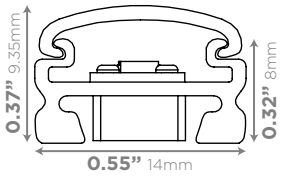
CHANNEL SECTION

1



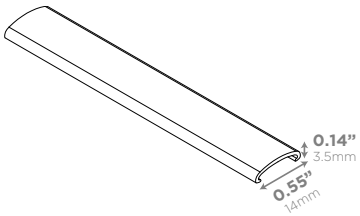
ALUMINUM EXTRUSION

2



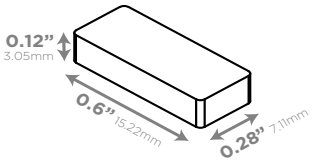
CHANNEL CROSS-SECTION

3



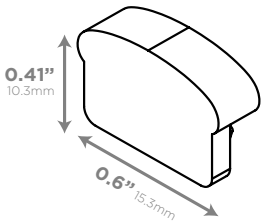
DIFFUSER LENS

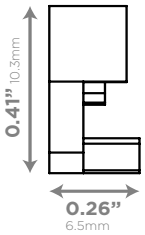
4



MAGNET

5





END CAP

6

PRODUCT DIMENSIONS

#	COMPONENT	DIMENSIONS	MATERIAL	COLOR	DESCRIPTION
1	Channel Width	0.35” 8.86mm	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	0.55” X 0.32” 14mm X 8mm			Encases LUXLINE™ 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 & Magnet	0.55” X 0.37” 14mm X 9.35mm			Provides the the absolute maximum width of the installed aluminum extrusion with magnet built-in.
4	Diffuser Lens	0.55” X 0.14” 14mm X 3.5mm	Polyproylene	Frosted	Helps protect LUXLINE™ 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 LUXLINE™ LED strip lights contained within LUXLINEAR™ tubes against dust, debris & moisture without affecting color temperature or lumen output.
5	Magnet	0.6” X 0.28” X 0.12” 15.22mm X 7.11mm X 3.05mm	Magnet	Dark Gray	Magnets are embedded inside the bottom of the extrusion. This allows the profile to adhere to metal surfaces directly and easily without extra parts.
6	End Caps	0.6” X 0.41” X 0.26” 15.3mm X 10.3mm X 6.5mm	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.

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ELECTRICAL

MAX. LOAD & MAX LED STRIP WIDTH

Max. Load Depends on the type of LUXLINE™ or equivalent LED strip 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 0.35" (8.86mm) wide.

COMPATIBLE LUXLINE™ LED STRIPS

- **LUXLINE 2835L, 2835H**[1] 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.
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 magets.
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	140°	140 lm	140°	219 lm	125°	259 lm
LUXLINE 2835H*	0.16" 4mm	140°	196 lm	140°	307 lm	125°	362 lm
LUXLINE 2016	0.20" 5mm	140°	140 lm	140°	219 lm	125°	259 lm
LUXLINE 3528H	0.20" 5mm	140°	112 lm	140°	175 lm	125°	207 lm
LUXLINE 3528 - RGB	0.24" 6mm	140°	84 lm	140°	132 lm	125°	155 lm
LUXLINE 2835R	0.31" 8mm	140°	140 lm	140°	219 lm	125°	259 lm
LUXLINE 2835R0	0.31" 8mm	140°	99 lm	140°	154 lm	125°	182 lm
LUXLINE 3528 - Tunable White	0.31" 8mm	140°	140 lm	140°	219 lm	125°	259 lm

** Available upon request.*

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APPLICATIONS

ILLUMINATION TYPE

Under Cabinet Lighting	Yes
Retail & POP Display	Yes
Showcase Lighting	Yes
Display Lighting	Yes

ADJUSTABILITY & COMPATIBILITY

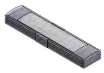
Adjustable after mounting	Yes
Smart Track System compatible	No
Direct end-to-end connectable	No
IC Chip compatible	No

MOUNTING

Surface	Yes
Recessed	Yes
Outdoor	No
Flange	No

AVAILABLE PROFILES*

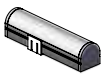
NORMAL
1715



LOW
1707

SLIM
1008

CORNER
1919



ROUND
2019

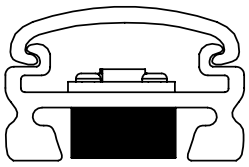
FLAT
1408M

SQUARE
1513M

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

INSTALLATION

Field Cuttable If LUXLINE is not pre-installed, 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.



MAGNET

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LUXLINEAR™ LIGHT TUBE PART NUMBER

	FLAT 1408M	36"	6500K	DIFFUSED	DC BARREL	2835R/120/8	MAGNETIC
EXAMPLE	FT	36	W	A	B	-2835R	-M
BUILD IT!							
	PRODUCT LINE/PROFILE	LENGTH	COLOR TEMPERATURE (CCT)	LENS	CONNECTOR	LED STRIP TYPE	ARRANGEMENT

FOR MOUNTING OR END CAPS ONLY

PRODUCT LINE/PROFILE TYPE

FT	LUXLINEAR/FLAT 1408M

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

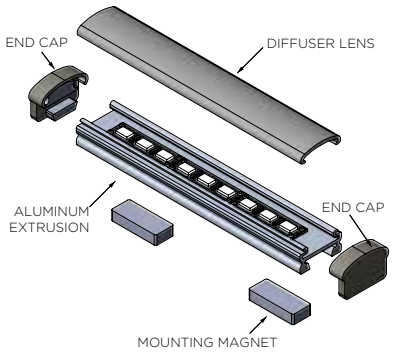
OMIT if RGB or tunable white

-2835L	2835L/120/4 (4mm)
-2835H	2835H/180/4 (4mm)
-2016	2016/182/5 (5mm)
-3528H	3528H/90/5 (5mm)
-2835R	2835R/120/8 (8mm)
-2835R0	2835R0/84/8 (8mm)

ARRANGEMENT

Select all that apply and write in relative order

-M	MAGNETIC MOUNTING
-N	NO END CAPS (OPTIONAL)



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