

LUXLINEAR™

SQUARE 1513M

Magnet Series

MIX & MATCH

For most custom applications requiring a slim, rigid lighting solution, we offer our **LUXLINEAR™ 1513M 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 LUXLINEAR™ 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

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.

Magnetized 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

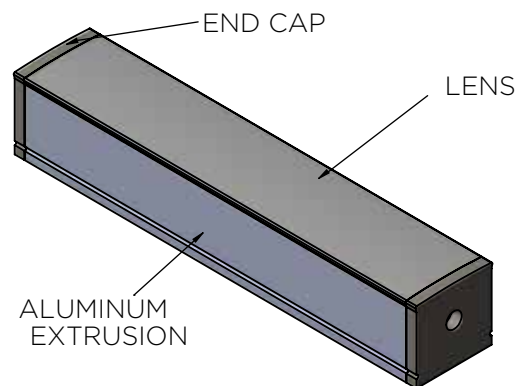
KEY FEATURES

POWERED
BY LUXLINE™
LED STRIP


SLIM WIDTH

CUSTOM
LENGTHS
SHIPS FULLY
ASSEMBLED
PROTECTS
AGAINST DUST
& DEBRIS
EVEN
ILLUMINATION
& NO HOTSPOT
MAGNETIC FOR
EASY INSTALL

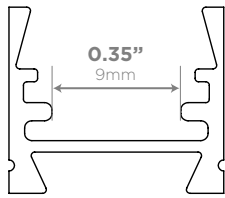
ASSEMBLED PROFILE



PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE

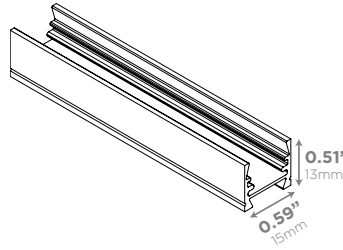
LUXLINEAR™

SQUARE 1513M Magnet Series



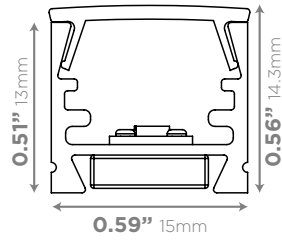
CHANNEL SECTION

1



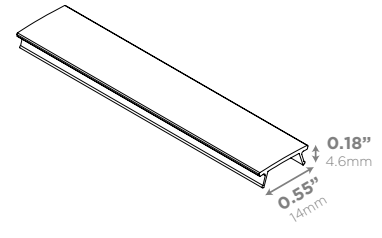
ALUMINUM EXTRUSION

2



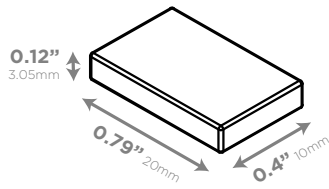
CHANNEL CROSS-SECTION

3



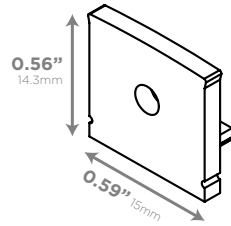
DIFFUSER LENS

4



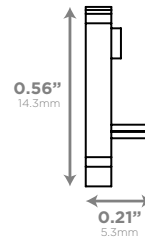
MAGNET

5



END CAP

6



PRODUCT DIMENSIONS

#	COMPONENT	DIMENSIONS	MATERIAL	COLOR	DESCRIPTION
1	Channel Width	0.35" 9mm			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	0.59" X 0.51" 15mm X 13mm	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 & Magnet	0.59" X 0.51" 15mm X 13mm			Provides the the absolute maximum width of the installed aluminum extrusion with magnet built-in.
4	Diffuser Lens	0.55" X 0.18" 14mm X 4.6mm	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	Magnet	0.79" X 0.4" X 0.12" 20mm X 10mm 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	0.59" X 0.56" X 0.21" 15mm X 14.3mm X 5.3mm	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 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" (9mm) 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, 2835RO, 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 magnets.

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	146°	133 lm	145°	210 lm	130°	250 lm
LUXLINE 2835H*	0.16" 4mm	146°	186 lm	145°	295 lm	130°	350 lm
LUXLINE 2016	0.20" 5mm	146°	133 lm	145°	210 lm	130°	250 lm
LUXLINE 3528H	0.20" 5mm	146°	106 lm	145°	168 lm	130°	200 lm
LUXLINE 3528 - RGB	0.24" 6mm	146°	80 lm	145°	126 lm	130°	150 lm
LUXLINE 2835R	0.31" 8mm	146°	133 lm	145°	210 lm	130°	250 lm
LUXLINE 2835RO	0.31" 8mm	146°	93 lm	145°	148 lm	130°	176 lm
LUXLINE 3528 - Tunable White	0.31" 8mm	146°	133 lm	145°	210 lm	130°	250 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

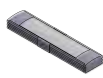
Surface	Yes
Recessed	Yes
Outdoor	No
Flange	No



AVAILABLE PROFILES*



NORMAL
1715



LOW
1707



SLIM
1008



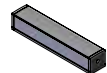
CORNER
1919



ROUND
2019



FLAT
1408M



SQUARE
1513M

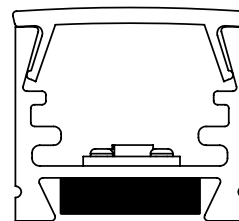
**Special profiles available upon request.
Contact a Project Specialist for more information.*

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

EXAMPLE

EXAMPLE	SQUARE 1513M	36"	6500K	DIFFUSED	DC BARREL	2835R/120/8	MAGNETIC
QT36WAB-2835R-M	QT	36	W	A	B	-2835R	-M
	PRODUCT LINE/PROFILE	LENGTH	COLOR TEMPERATURE (CCT)	LENS	CONNECTOR	LED STRIP TYPE	ARRANGEMENT
BUILD IT!							

FOR MOUNTING
OR END CAPS ONLY

PRODUCT LINE/PROFILE TYPE

QT LUXLINEAR/SQUARE 1513M

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

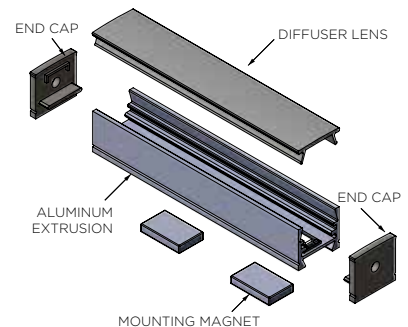
OMIT if RGB or tunable white

-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)
-2835RO	2835RO/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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