

PROJECT

FIRM

ORDER #

TYPE

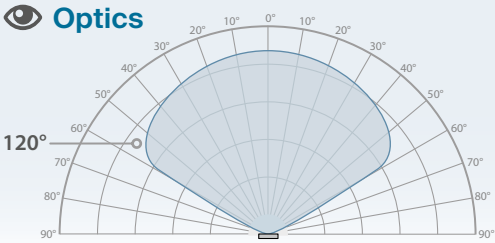
QTY



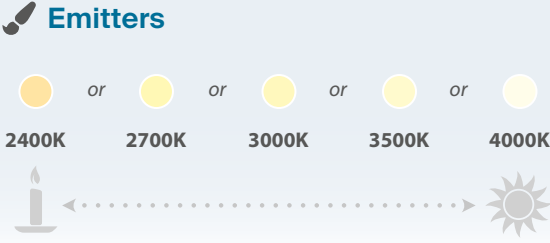
Flex Eco Interior™ is an ultra low power, thin and flexible LED circuit strip supplied as a 16.4' spool. Its low wattage and high efficacy make Flex Eco Interior the ideal partner for any project where power is a scarce resource. Cut points are located every 100mm to allow the length to be adjusted for specific applications.

The combination of good output and low profile allows for a wide variety of cove, millwork, signage, and many other interior applications. Mounting is greatly aided by 3M™ VHB™ adhesive backing while a full range of aluminum channels are available to suit numerous applications.

At a glance



Optics



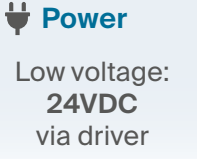
Emitters

2400K or 2700K or 3000K or 3500K or 4000K



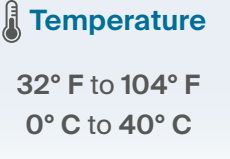
Mounting

3M™ VHB™
adhesive
backing tape
See [user guide](#)
for mounting details



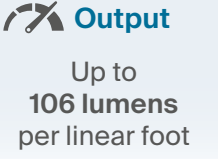
Power

Low voltage:
24VDC
via driver



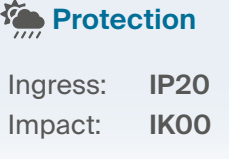
Temperature

32° F to 104° F
0° C to 40° C



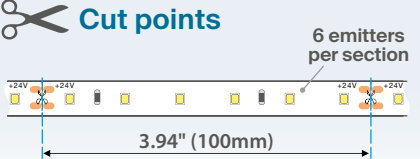
Output

Up to
106 lumens
per linear foot



Protection

Ingress: **IP20**
Impact: **IK00**



Cut points

6 emitters per section
3.94" (100mm)

Configure your product

FLEXEI

Example final code: **FLEXEI27**

Emitters:
24 = 2400K
27 = 2700K
3 = 3000K
35 = 3500K
4 = 4000K



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Specifications

Emitters	2400K, 2700K, 3000K, 3500K or 4000K
Beam angle	120°
Spool details	16.4' (5m), cut points every 3.94" (100mm)
Maximum run length	16.4' (5m) - 1 spool
Lumen maintenance	L ₇₀ 50,000 hours (@ 25° C)
Operating voltage	24VDC
Power consumption	0.97W per foot (3.2W per meter) - 16W per 16.4' spool
Connection	3.28' (1m) attached feed cable with bare tails (18 AWG)
Mounting	3M™ VHB™ adhesive backing - see user guide for mounting details Optional aluminum channels available - see page 3
Material	Copper strip with white finish
Ambient temperature range	32° F to 104° F (0° C to 40° C)
Ingress protection	IP20, dry location
Impact protection	IK00, not impact protected
Warranty	3 years standard, 5 years optional (additional charge)
Weight	3.88oz (110g)
Dimensions	LxWxH: 16.4' x 0.39" x 0.06" (5000 x 10 x 1.5mm) - see page 8
Certifications	  

Photometrics

For all available IES files, please visit acclaimlighting.com/flex-eco-interior

Color temperature	Lumens (per ft)	Center Candela	Efficacy (lumens per Watt)	CRI (Ra)	CRI (r9)
2700K	97.6	33	98.6	82.1	7.6
3000K	99.9	33	101	82.7	8.2
3500K	106.9	35	106.9	82.2	4.4
4000K	106.6	35	105.5	82.1	2.3

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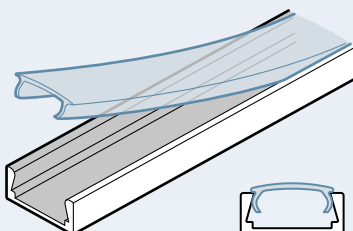
TYPE

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Related components *(channel dimensions on pages 9 & 10)*

Flex mini channel

A very low profile channel with smooth outer walls and a choice of clear, frosted or opal lenses. Available in 3.28' (1m) or 6.56' (2m) lengths.



Flex mini channel:

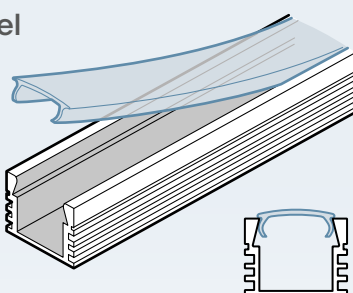
Lenses:

Accessories:

3.28' (1m)	FLX MIN 1M
6.56' (2m)	FLX MIN 2M
Clear 3.28' (1m)	FLX MIN CL 1M
Clear 6.56' (2m)	FLX MIN CL 2M
Frosted 3.28' (1m)	FLX MIN FL 1M
Frosted 6.56' (2m)	FLX MIN FL 2M
Opal 3.28' (1m)	FLX MIN OL 1M
Opal 6.56' (2m)	FLX MIN OL 2M
Mount clip	FLX MIN MC
End cap	FLX MIN EC
End cap with hole	FLX MIN ECH

Flex mini square channel

A low profile channel with a square overall cross section. Available in 3.28' (1m) or 6.56' (2m) lengths with a choice of clear, frosted or opal lenses.



Flex mini square channel:

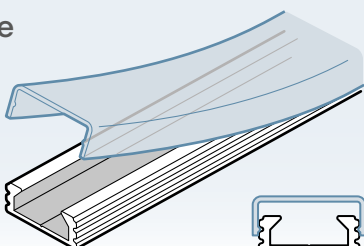
Lenses:

Accessories:

3.28' (1m)	FLX MSP 1M
6.56' (2m)	FLX MSP 2M
Clear 3.28' (1m)	FLX MIN CL 1M
Clear 6.56' (2m)	FLX MIN CL 2M
Frosted 3.28' (1m)	FLX MIN FL 1M
Frosted 6.56' (2m)	FLX MIN FL 2M
Opal 3.28' (1m)	FLX MIN OL 1M
Opal 6.56' (2m)	FLX MIN OL 2M
Mount clip	FLX MIN MC
End cap	FLX MSP EC
End cap with hole	FLX MSP ECH

Flex channel low profile

A low profile channel for mounting flat or at an angle using optional brackets. Available in 4' (1.21m) lengths with a choice of clear, frosted or opal lenses.



Flex channel low profile:

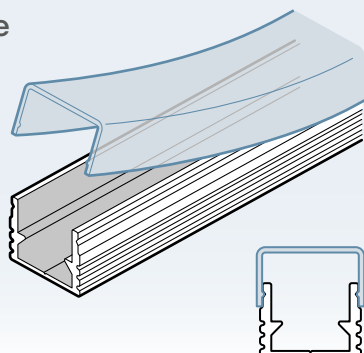
Lenses:

Accessories:

4' (1.21m)	FLX444
Clear 4' (1.21m)	FLX LP CL4
Frosted 4' (1.21m)	FLX LP FL4
Opal 4' (1.21m)	FLX LP OL4
Mount clip/joiner	FLX111
Angled brackets (x2)	FLX113
End cap	FCLPEC1

Flex channel tall profile

A tall-sided channel to limit light spill. Mounting can be flat or set at an angle using optional brackets. Available in 4' (1.21m) lengths with a choice of clear, frosted or opal lenses.



Flex channel tall profile:

Lenses:

Accessories:

4' (1.21m)	FLX888
Clear 4' (1.21m)	FLX825
Frosted 4' (1.21m)	FLX813
Opal 4' (1.21m)	FLX801
Mount clip/joiner	FLX111
Angled brackets (x2)	FLX113

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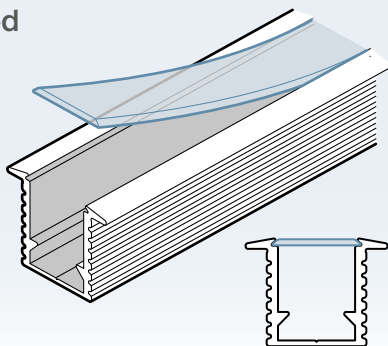
TYPE

QTY

Related components *(channel dimensions on pages 9 & 10)*

Flex channel recessed

A flanged deep channel to provide a neat finish when recessed within a surface. Available in 4' (1.21m) lengths with a choice of clear, frosted or opal lenses.



Flex channel recessed:

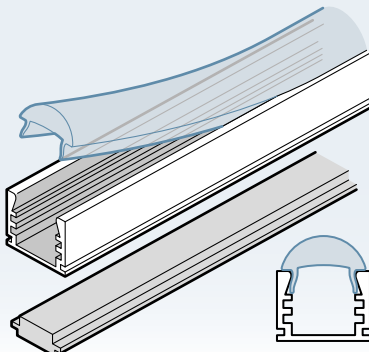
Lenses:

Accessories:

4' (1.21m) **FLX777**
 Clear 4' (1.21m)..... **FLX727**
 Frosted 4' (1.21m)..... **FLX715**
 Opal 4' (1.21m)..... **FLX702**
 Mount clip/joiner..... **FLX111**
 End cap **FCTPEC1**

Flex graze channel

Low profile channel with a movable mounting rail and rounded lens option to produce a range of beam angles suitable for grazing surfaces. Available in 3.28' (1m) lengths.



Flex graze channel & rail:

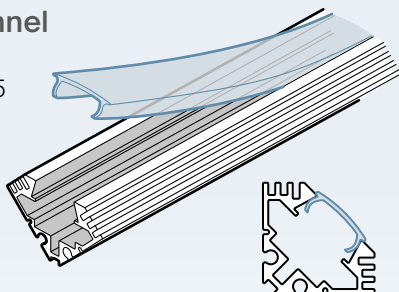
Lens:

Accessories:

3.28' (1m) **FLK GRZ**
 Clear 3.28' (1m)..... **FLK GRZ L**
 End cap **FLK GRZ EC**
 Flat mount bracket..... **FLK SMB**

Flex 45 degree channel

A low profile channel which holds the strip at 45 degrees to the mounting surface. Can be wall mounted or suspended. Available in 3.28' (1m) and 6.56' (2m) lengths with a choice of clear, frosted or opal lenses.



Flex 45 degree channel:

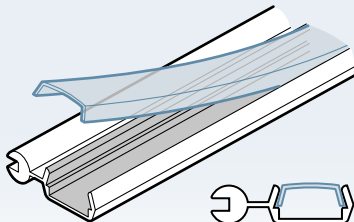
Lenses:

Accessories:

3.28' (1m) **FLX 45D 1M**
 6.56' (2m) **FLX 45D 2M**
 Clear 3.28' (1m) **FLX 45D CL 1M**
 Clear 6.56' (2m) **FLX 45D CL 2M**
 Frosted 3.28' (1m) **FLX 45D FL 1M**
 Frosted 6.56' (2m) **FLX 45D FL 2M**
 Opal 3.28' (1m) **FLX 45D OL 1M**
 Opal 6.56' (2m) **FLX 45D OL 2M**
 Mount clip **FLX 45D MC**
 S. steel mount bracket..... **FLX 45D SMB**
 End cap **FLX 45D EC**
 End cap with hole..... **FLX 45D ECH**

Flex swivel channel

A low profile channel with swivel mounts to allow positioning at any angle. Available in 3.28' (1m) lengths with a choice of clear, frosted or opal lenses.



Flex swivel channel:

Lenses:

Accessories:

3.28' (1m) **FLK SWI**
 Clear 3.28' (1m)..... **FLK MFC**
 Frosted 3.28' (1m) **FLX MFL**
 Opal 3.28' (1m) **FLX MOL**
 Swivel mount bracket..... **FLK SWI MB**
 End cap **FLK SWI EC**

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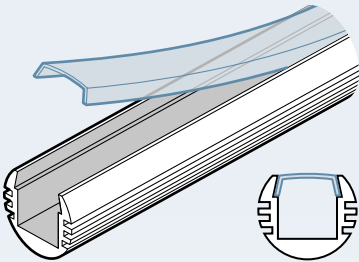
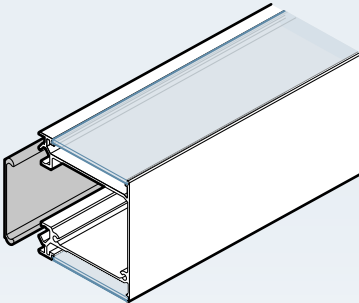
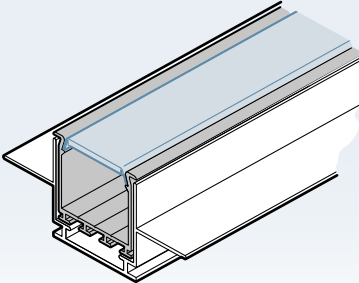
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Related components *(channel dimensions on pages 9 & 10)*

Flex pendant channel A neatly rounded channel, designed to be suspended by wires or rods - with the option of power delivery via the suspension wires/rods. Available in 3.28' (1m) lengths with a choice of clear, frosted or opal lenses.		Flex pendant channel: 3.28' (1m) FLK PEN Lenses: Clear 3.28' (1m) FLX MFC Frosted 3.28' (1m) FLX MFL Opal 3.28' (1m) FLX MOL Accessories: Conductive fastener FLK PEN CF S. steel mount bracket.. FLK SMB Steel rod 1.64' (0.5m) FLK PEN SR05 Steel rod 3.28' (1m)..... FLK PEN SR1 S Steel wire 3.28' (1m).... FLK PEN SSW1 End cap FLK PEN EC End cap with hole..... FLK PEN ECH Conductive end cap FLK PEN CEC
Flex dual channel A box section channel with detachable back plate to allow invisible fixing to wall surfaces. The upper and lower surfaces of the main channel can hold up to four runs of strips to provide powerful simultaneous up and down lighting (or side to side when the channel is mounted vertically). Available in 3.28' (1m) lengths.		Flex dual channel: 3.28' (1m) FLK DUL Lenses: Clear 3.28' (1m)..... FLK DUL CL Frosted 3.28' (1m)..... FLK DUL FL Accessories: End cap FLK DUL EC
Flex drywall channel An adaptable system of channels for use with drywall interiors in either recessed or surface mount configurations. Available in 3.28' (1m) lengths with a choice of clear or frosted lenses.		Drywall mount: 3.28' (1m) FLK DWM Channel: 3.28' (1m) FLK DWC Channel with flange: 3.28' (1m) FLK DWF Lenses: Clear 3.28' (1m)..... FLK DCL Frosted 3.28' (1m)..... FLK DFL Accessories: Mount end cap FLK DWM EC Channel end cap FLK DWC EC Surface spring FLK DWC SS Mounting clip..... FLK DWM CLIP



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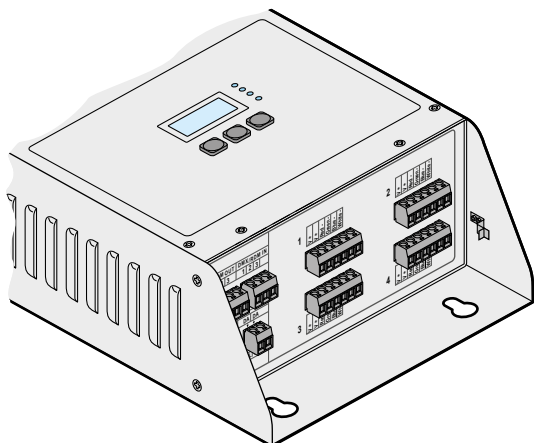
ORDER #

TYPE

QTY

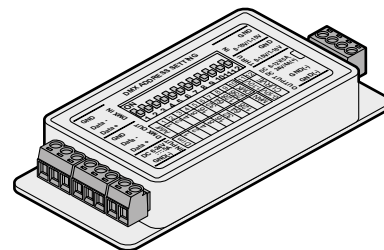
Related components

Drivers



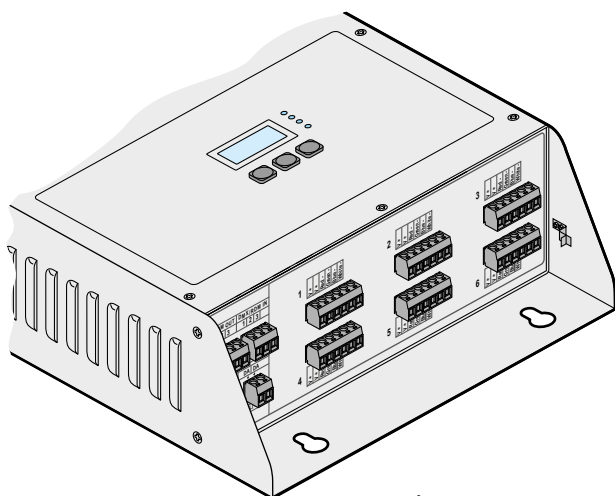
AL Driver 200 C2

200W 24VDC
4 output ports
6 spools maximum
DMX, DALI or 0-10V
(sink or source)
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-200-24 C2**



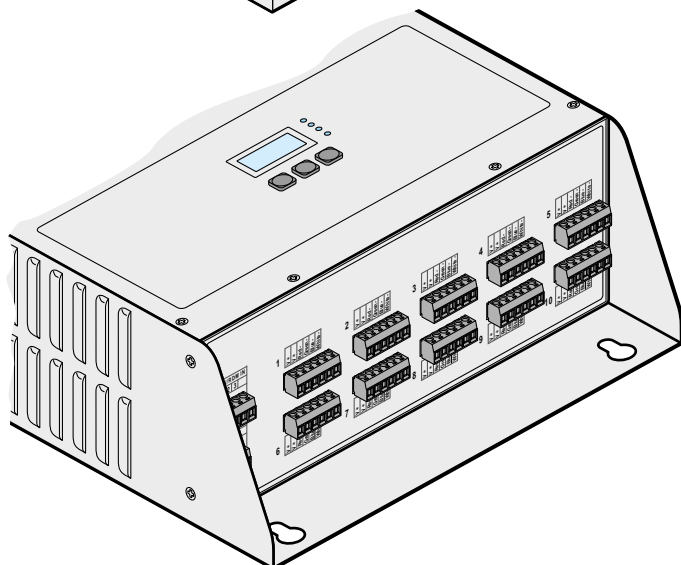
AL Driver 1

2 spools maximum
DMX or 0-10V
(sink or source)
24VDC input (use
in conjunction with
ALPS-series 24VDC
power supplies)
Part # **ALD001**



AL Driver 400 C2

400W 24VDC
6 output ports
12 spools maximum
DMX, DALI or 0-10V
(sink or source)
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-400-24 C2**



AL Driver 800 C2

800W 24VDC
10 output ports
20 spools maximum
DMX, DALI or 0-10V
(sink or source)
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-800-24 C2**

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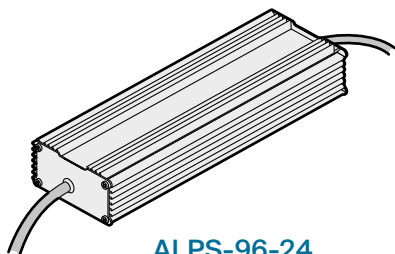
TYPE

QTY

Related components

Power supplies (wet and dry locations)

(for use with single channel drivers or non dimming applications)



ALPS-96-24

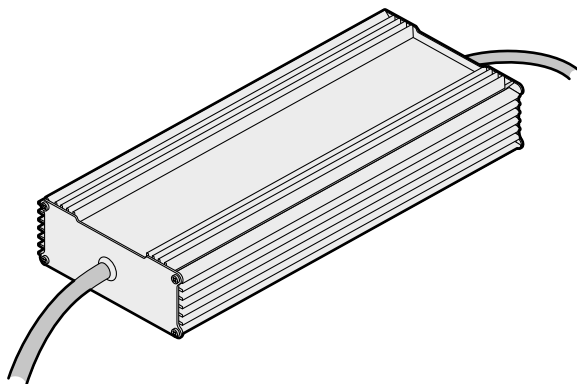
96W 24VDC

5 spools maximum

IP66 ingress protection

100-277VAC 50/60Hz

Part # **ALPS-96-24**



ALPS-200-24

200W 24VDC

12 spools maximum

IP66 ingress protection

100-277VAC 50/60Hz

Part # **ALPS-200-24**

ALPS-400-24

400W 24VDC

24 spools maximum

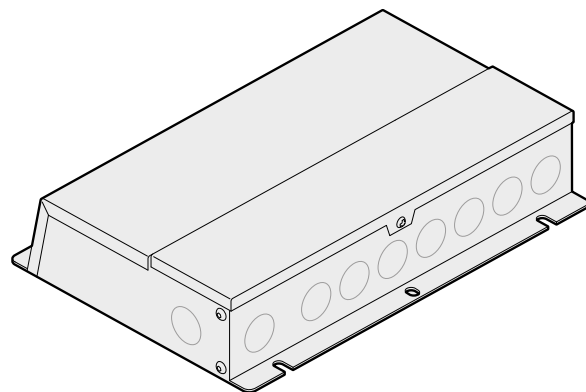
IP66 ingress protection

100-277VAC 50/60Hz

Part # **ALPS-400-24**

Mains (and 0-10V) dimmable drivers

(to allow Flex Eco strips to be integrated into traditional high voltage dimmer circuits)



- Can accept dimmed mains from forward phase (leading edge/TRIAC) or reverse phase (trailing edge/ELV) dimmers.
- 100-277VAC input.
- A 0-10V input (sink or source) is also provided for low voltage control when a stable mains supply is used.
- Produces a 1-100% dimming output.
- NEMA 3 enclosure (indoor/outdoor) 100-277VAC 50/60Hz
- Three variants are available:

1x 96W 24VDC

5 spools maximum

Part # **MLE96-24DC-UD**

2x 96W (192W total) 24VDC

10 spools maximum

Part # **MLE192-24DC-UD**

3x 96W (288W total) 24VDC

15 spools maximum

Part # **MLE288-24DC-UD**

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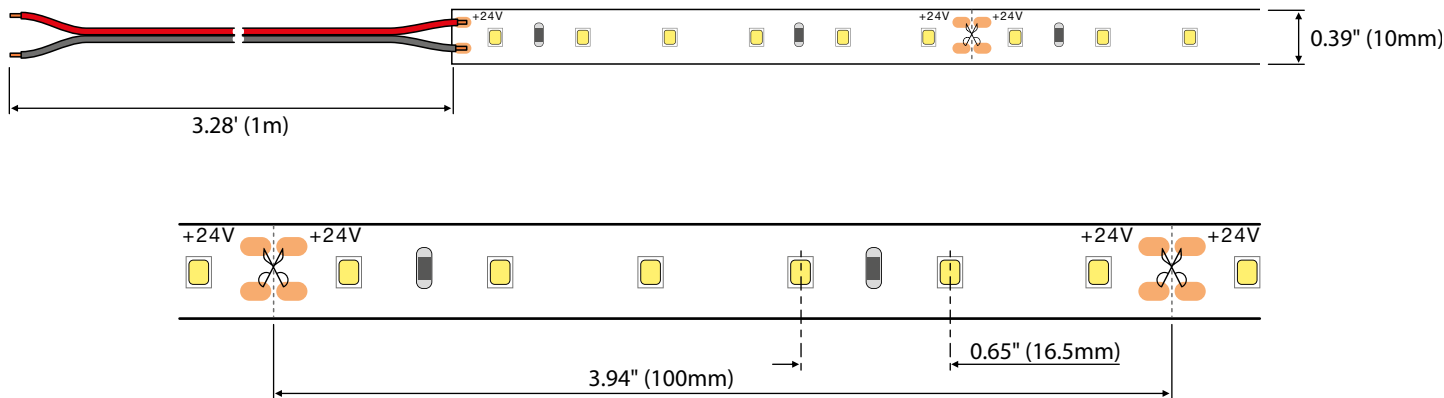
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Dimensions *(Strip)*



Feed wire guide *(16W load / 1 spool)*

Maximum distance to Flex Eco strip	Required wire gauge
80' (24m)	18 AWG (0.823mm²)
200' (60m)	14 AWG (2.081mm²)
300' (91m)	12 AWG (3.309mm²)

In all cases, ensure that the voltage drop at the fixture end of the link cable is no greater than 8% (1.92V) of the original 24VDC supply.



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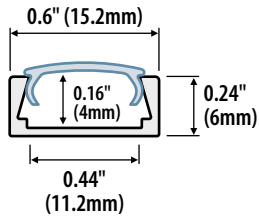
TYPE

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Dimensions *(Channels)*

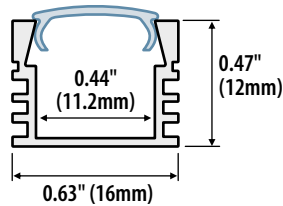
Flex mini channel

FLX MIN



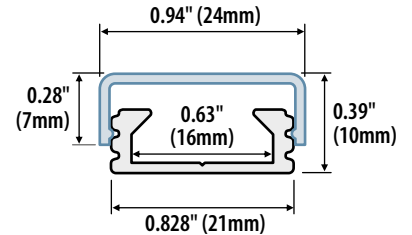
Flex mini square channel

FLX MSP



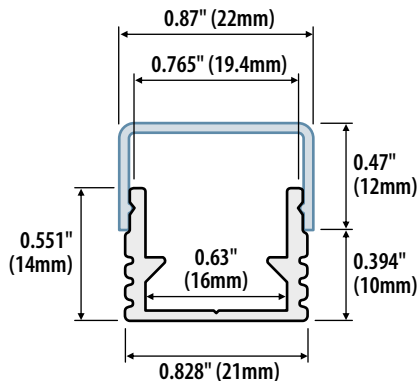
Flex channel low profile

FLX444



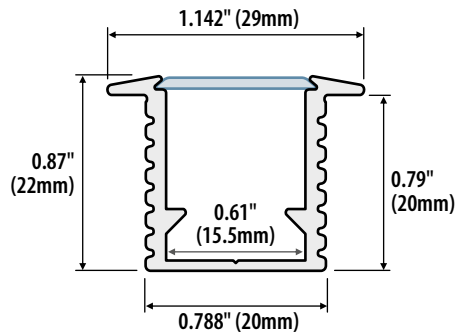
Flex channel tall profile

FLX888



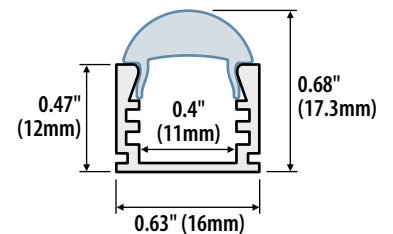
Flex channel recessed

FLX777



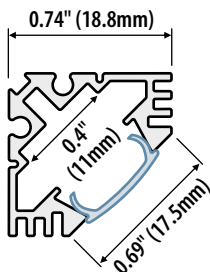
Flex graze channel

FLK GRZ



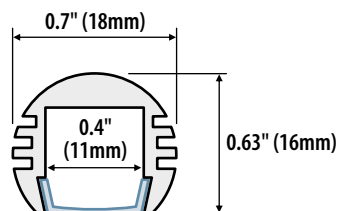
Flex 45 degree channel

FLX 45D



Flex pendant channel

FLK PEN

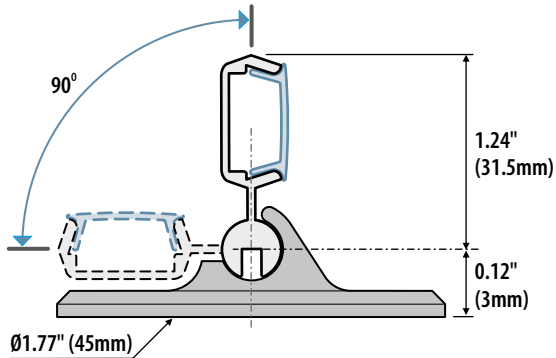


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Dimensions *(Channels)*

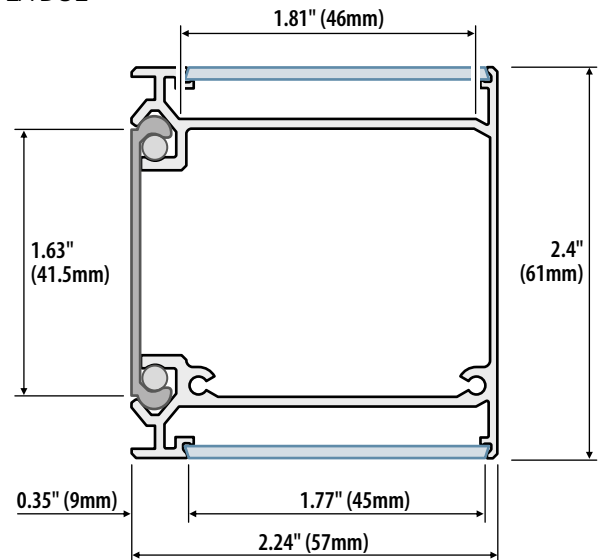
Flex swivel channel

FLX SWI



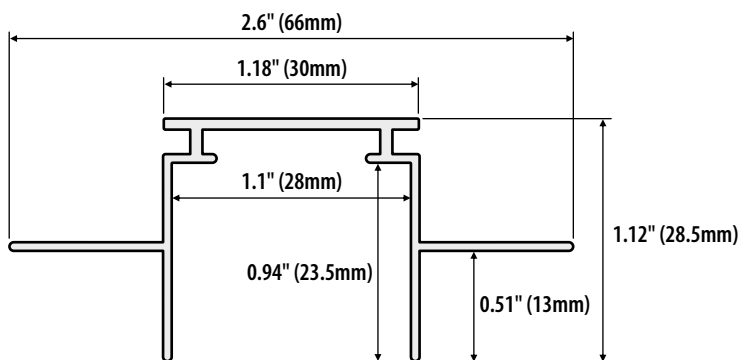
Flex dual channel

FLX DUL

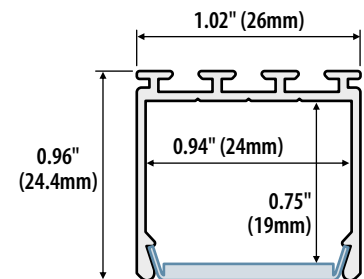


Flex drywall channel components

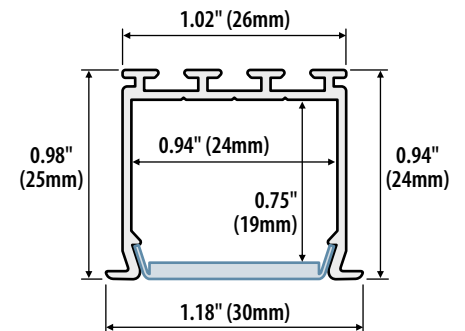
FLX DWM (Drywall mount)



FLX DWC (Drywall channel)



FLX DWF (Drywall channel with flange)



For full installation details, please refer to the **user guide**, available for free download here:

