

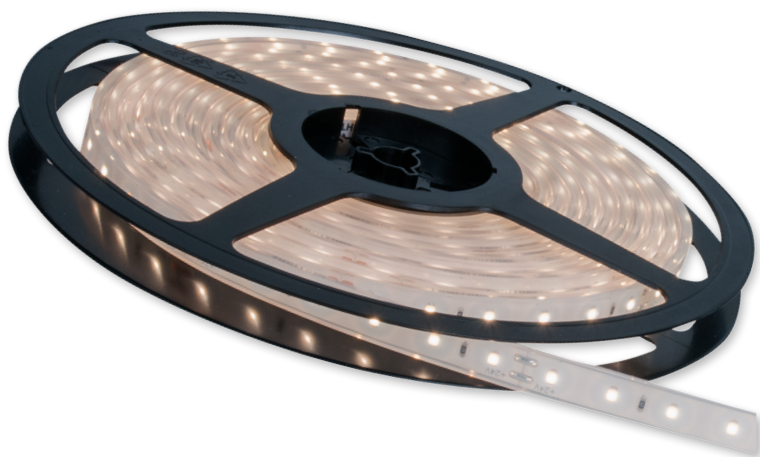
PROJECT

FIRM

ORDER #

TYPE

QTY


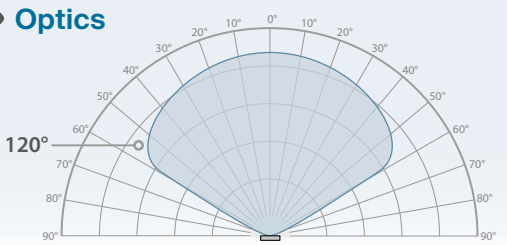



Flex Eco Exterior™ is an ultra low power LED strip designed for durability in demanding outdoor environments, featuring UV-stabilized, weather-resistant construction. Its low energy consumption and high efficiency make it an excellent choice for projects where power availability is limited.




With cut points every 100mm, the strip can be easily customized to fit specific installation needs. Despite its compact form, Flex Eco Exterior delivers strong light output, making it well-suited for a wide range of applications including cove lighting, millwork, signage, and more.



Each strip comes with ten silicone mounting clips and screws for easy installation, and a variety of compatible aluminum channels are available to support diverse design requirements.


At a glance


Optics


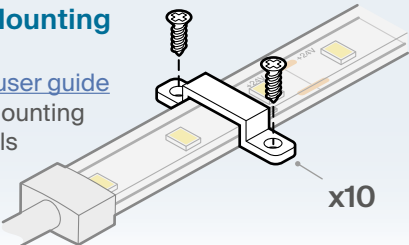

Emitters


 or  or 



Mounting

See [user guide](#) for mounting details





Power


Low voltage:
24VDC
via driver


Temperature


-40° F to 122° F
-40° C to 50° C


Output

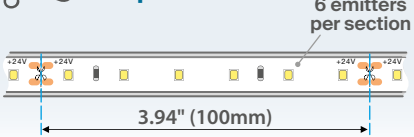
Up to
99 lumens
per linear foot


Protection

Ingress: **IP68**
Impact: **IK06**


Cut points

6 emitters per section



3.94" (100mm)

Configure your product

FLEXEE

Example final code: **FLEXEE27**

Emitters:
27 = 2700K
3 = 3000K
4 = 4000K



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Specifications

Emitters	2700K, 3000K 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	Ten silicone mounting clips plus screws included - see user guide for mounting details Optional aluminum channels available - see page 3
Material	Copper strip with UV-stabilized silicone coating
Ambient temperature range	-40° F to 122° F (-40° C to 50° C)
Ingress protection	IP68*, wet location and submersible <i>* UL approval currently limits submersible installation to non-human occupied and freshwater locations only. All cables must be landed in environmentally suitable junction boxes.</i>
Impact protection	IK06, protected up to 1 joule impact
Warranty	3 years standard, 5 years optional (additional charge)
Weight	14.07oz (400g)
Dimensions	LxWxH: 16.4' x 0.49" x 0.16" (5000 x 12.5 x 4mm) - see page 7
Certifications	  

Photometrics

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

Color temperature	Lumens (per ft)	Center Candela	Efficacy (lumens per Watt)	CRI (Ra)	CRI (r9)
2700K	87	23	87.3	87.4	20.2
3000K	88.8	23	88.4	86.2	28.5
4000K	99.4	25	101.1	84.9	17.3

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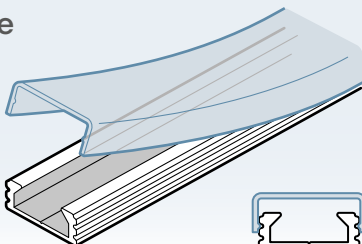
TYPE

QTY

Related components *(channel dimensions on pages 8 & 9)*

Flex channel low profile

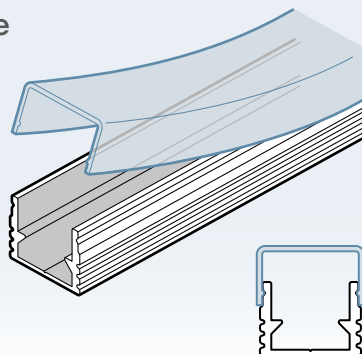
A low profile channel for mounting flat or at an angle using optional brackets. Available in 4' (1.21m) lengths with a choice of clear, frosted or opal lenses.



Flex channel low profile:	4' (1.21m)	FLX444
Lenses:	Clear 4' (1.21m).....	FLX LP CL4
	Frosted 4' (1.21m).....	FLX LP FL4
	Opal 4' (1.21m).....	FLX LP OL4
Accessories:	Mount clip/joiner.....	FLX111
	Angled brackets (x2).....	FLX113
	End cap	FCLPEC1

Flex channel tall profile

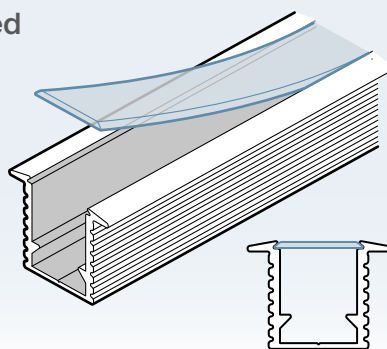
A tall-sided channel to limit light spill. Mounting can be flat or set at an angle using optional brackets. Available in 4' (1.21m) lengths with a choice of clear, frosted or opal lenses.



Flex channel tall profile:	4' (1.21m)	FLX888
Lenses:	Clear 4' (1.21m).....	FLX825
	Frosted 4' (1.21m).....	FLX813
	Opal 4' (1.21m).....	FLX801
Accessories:	Mount clip/joiner.....	FLX111
	Angled brackets (x2).....	FLX113

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.

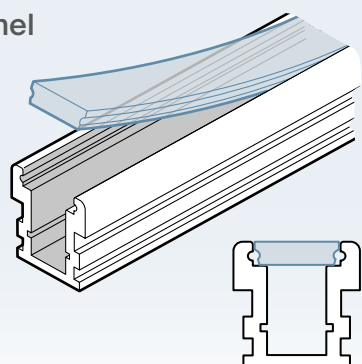


Flex channel recessed:	4' (1.21m)	FLX777
Lenses:	Clear 4' (1.21m).....	FLX727
	Frosted 4' (1.21m).....	FLX715
	Opal 4' (1.21m).....	FLX702
Accessories:	Mount clip/joiner.....	FLX111
	End cap	FCTPEC1

Flex exterior line channel

A tough anodized aluminum channel designed to allow outdoor, ingrade installation of Acclaim Flex Exterior tapes.

Supplied in 3.28' (1m) lengths, matching UV-stabilized opal lenses and various ancillary items are also available.



Flex channel recessed:	3.28' (1m)	FLK EXL
Lens:	Opal 3.28' (1m).....	FLK EXL OL
Accessories:	End cap	FLK EXL EC
	End cap with hole.....	FLK EXL ECH
	Waterproof coupler.....	FLK WPC
	Waterproof splitter	FLK WPS

PROJECT

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ORDER #

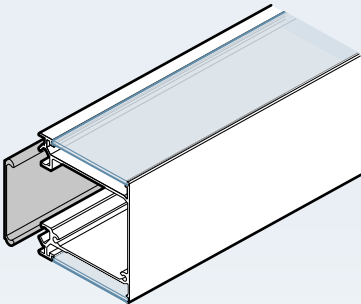
TYPE

QTY

Related components *(channel dimensions on pages 8 & 9)*

Flex dual channel

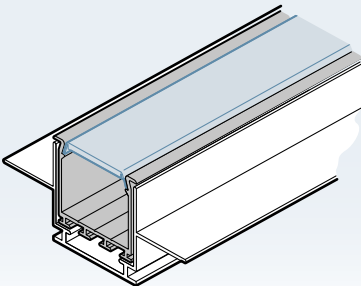
A box section channel with detachable back plate to allow invisible fixing to wall surfaces. The upper and lower surfaces of the main channel can hold up to four runs of strips to provide powerful simultaneous up and down lighting (or side to side when the channel is mounted vertically). Available in 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



PROJECT

FIRM

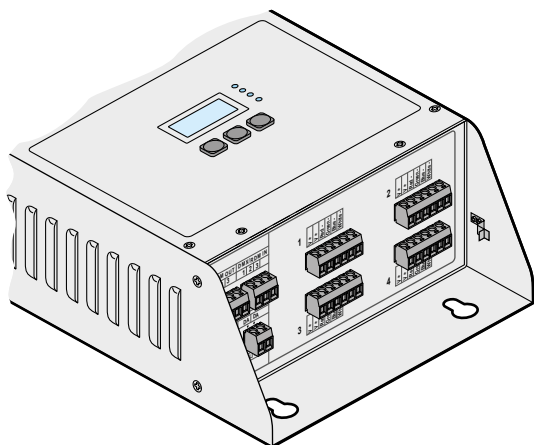
ORDER #

TYPE

QTY

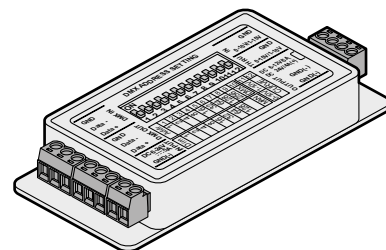
Related components

Drivers



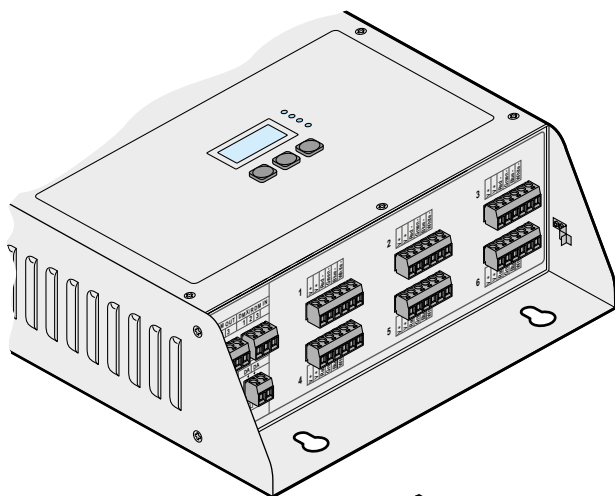
AL Driver 200 C2

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**



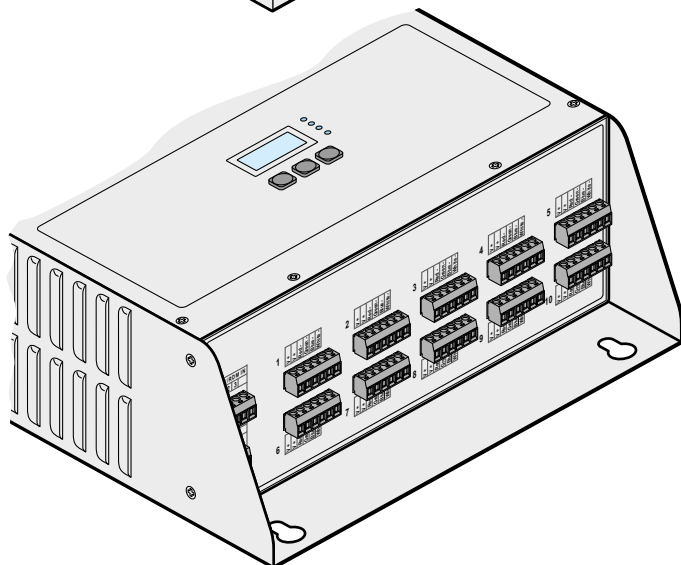
AL Driver 1

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**



PROJECT

FIRM

ORDER #

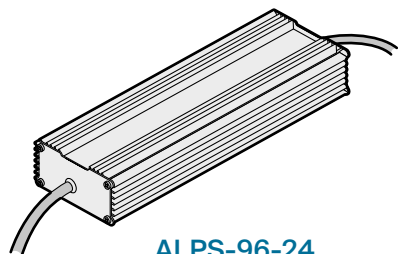
TYPE

QTY

Related components

Power supplies (wet and dry locations)

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



ALPS-96-24

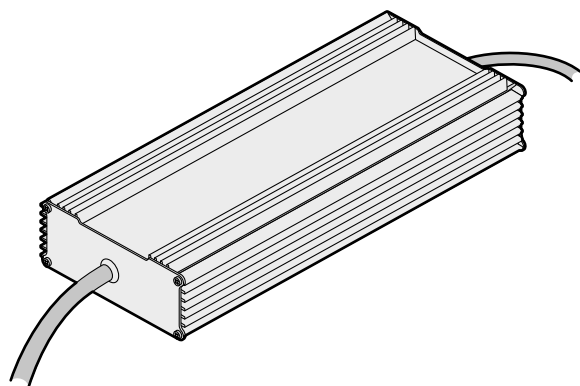
96W 24VDC

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

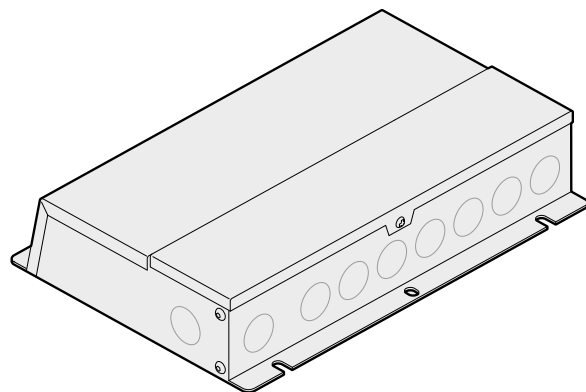
IP66 ingress protection

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**

SCAN
FOR
PRODUCT
PAGE



PROJECT

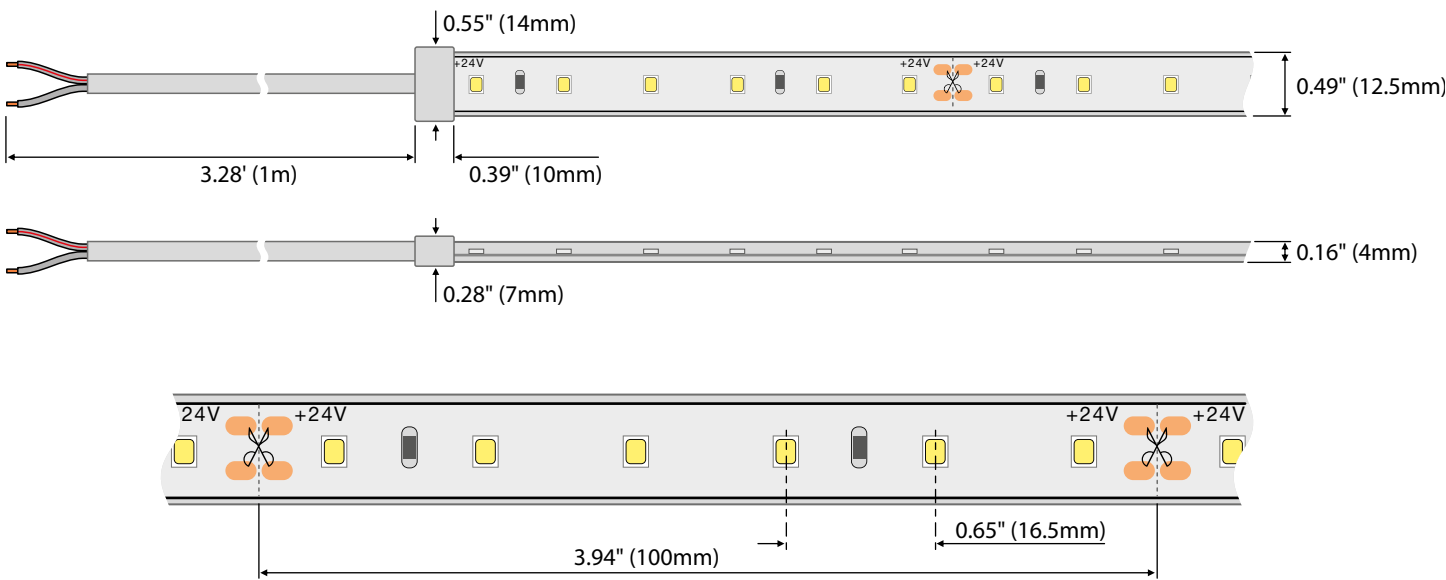
FIRM

ORDER #

TYPE

QTY

Dimensions *(Strip)*



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

Maximum distance to Flex One strip	Required wire gauge
80' (24m)	18 AWG (0.823mm ²)
200' (60m)	14 AWG (2.081mm ²)
300' (91m)	12 AWG (3.309mm ²)

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.



PROJECT

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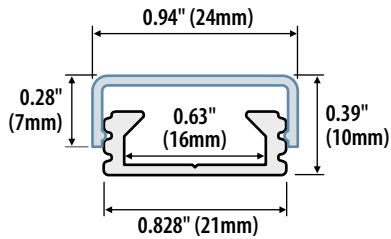
TYPE

QTY

Dimensions *(Channels)*

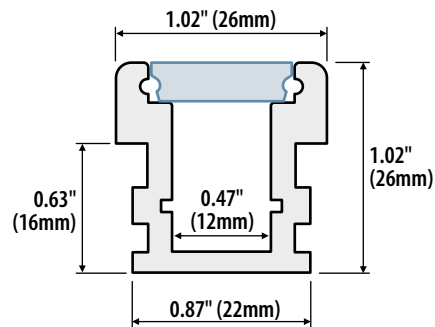
Flex channel low profile

FLX444



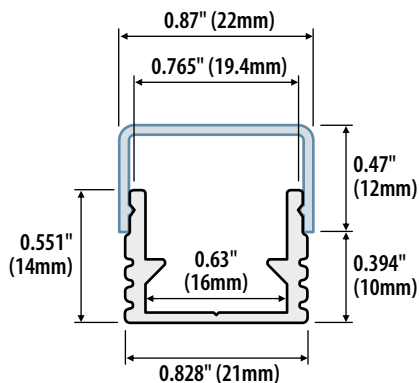
Flex exterior line channel

FLK EXL



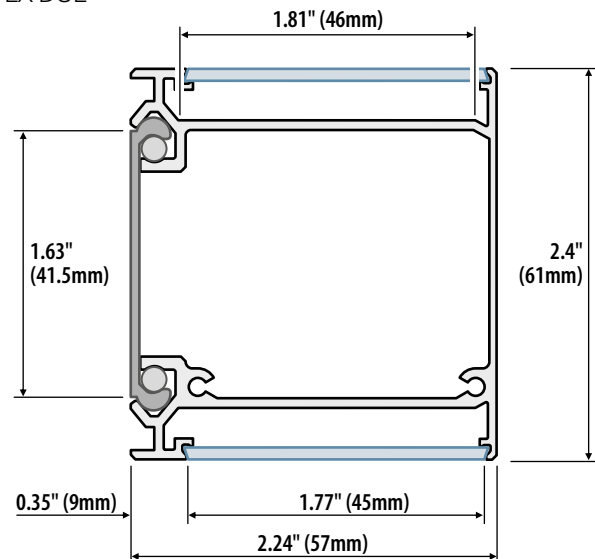
Flex channel tall profile

FLX888



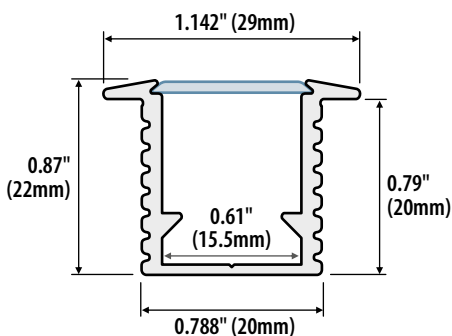
Flex dual channel

FLX DUL



Flex channel recessed

FLX777

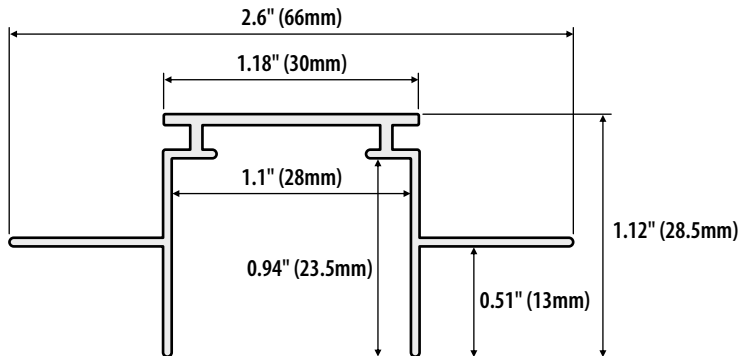


PROJECT	FIRM	ORDER #	TYPE	QTY
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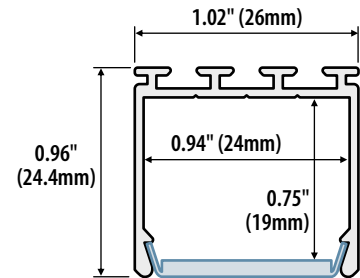
Dimensions *(Channels)*

Flex drywall channel components

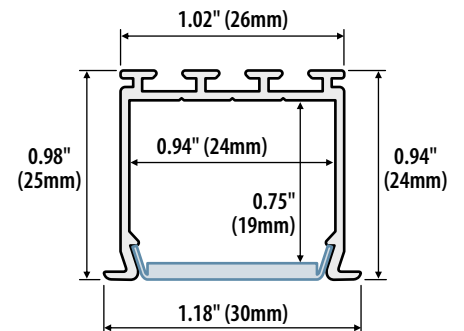
FLX DWM (Drywall mount)



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:

