Flex Spectrum Interior™

Acclaim™

Flex Spectrum Interior™ is an RGBW flexible strip designed to deliver a wide and accurate gamut in applications where saturated colors, pastels and high-CRI whites are required. By combining blue with the base warm white, it is straightforward to create a wide range of white hues, from 3000K through to 7000K, with CRI values in excess of 80.

Thanks to our careful binning policies, consistent color rendering is assured not only across the full length of every spool, but also between multiple batches. A solid copper substrate ensures optimum heat transference and flexibility.

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

120°

Emitters

SpectrumFour technology

RGBW
(W=3000K)

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
226 lumens
per linear foot

Protection

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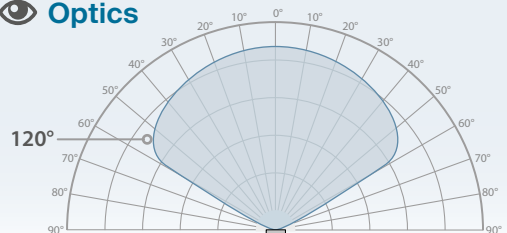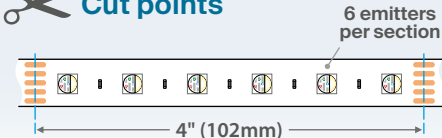Impact: **IK00**

Cut points

6 emitters per section

4" (102mm)

Order code

FLEXSI

	PROJECT		FIRM	ORDER #	TYPE	QTY

Specifications

Emitters	RGBW (W=3000K)
Beam angle	120°
Spool details	16.4' (5m), cut points every 4" (102mm)
Maximum run length	16.4' (5m) - 1 spool
Lumen maintenance	L_{70} 50,000 hours (@ 25° C)
Operating voltage	24VDC
Power consumption	5.4W per foot (18W per meter), 90W @ 16.4' (5m) 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	5.18oz (147g)
Dimensions	**L**x**W**x**H**: 16.4' x 0.47" x 0.09" (5000 x 12 x 2.4mm) – see page 7
Certifications	cETLus CE RoHS 2002/95/EC

Photometrics

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

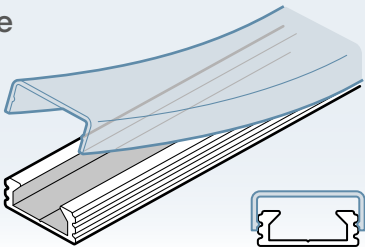| Color	Lumens (per ft)	Center Candela	Efficacy (lumens per Watt)	CRI (Ra)
RGBW	226	73.8	36.87	>80 (white)

SCAN FOR PRODUCT PAGE

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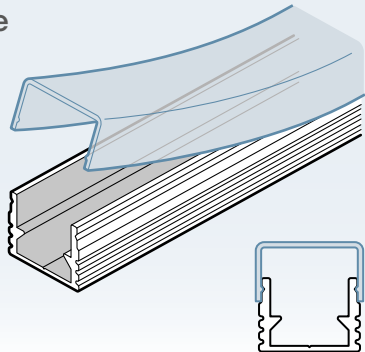
Flex channel low profile

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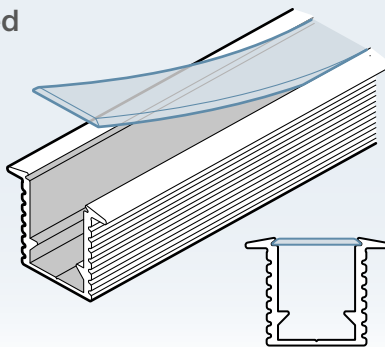
Flex channel recessed:	4' (1.21m) **FLX777**
Lenses:	Clear 4' (1.21m)................**FLX727**
	Frosted 4' (1.21m)............**FLX715**
	Opal 4' (1.21m).................**FLX702**
Accessories:	Mount clip/joiner............**FLX111**
	End cap **FCTPEC1**

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| PROJECT	FIRM	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.
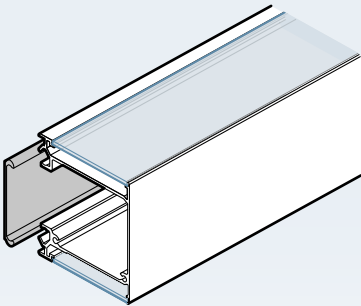
Flex dual channel:	3.28' (1m)	**FLK DUL**
Lenses:	Clear 3.28' (1m)	**FLK DUL CL**
	Frosted 3.28' (1m)	**FLK DUL FL**
Accessories:	End cap	**FLK DUL EC**

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.
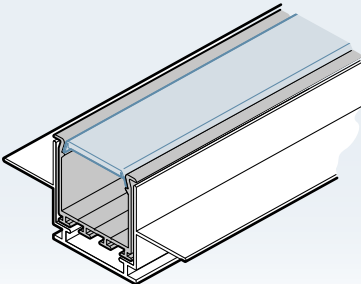
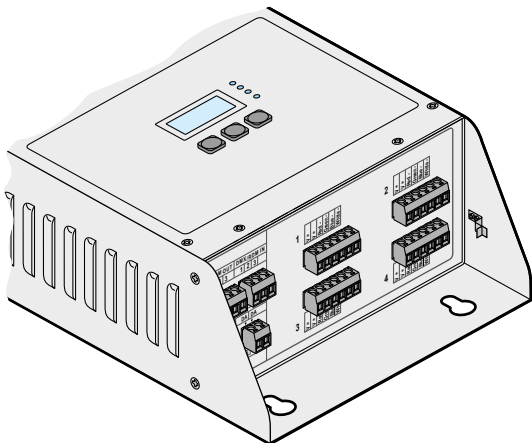|		
Drywall mount:	3.28' (1m)	**FLK DWM**
Channel:	3.28' (1m)	**FLK DWC**
Channel with flange:	3.28' (1m)	**FLK DWF**
Lenses:	Clear 3.28' (1m)	**FLK DCL**
	Frosted 3.28' (1m)	**FLK DFL**
Accessories:	Mount end cap	**FLK DWM EC**
	Channel end cap	**FLK DWC EC**
	Surface spring	**FLK DWC SS**
	Mounting clip	**FLK DWM CLIP**

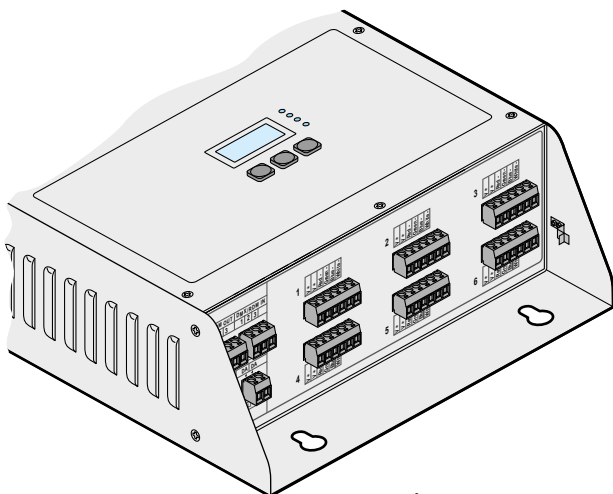SCAN FOR PRODUCT PAGE

Related components

Drivers

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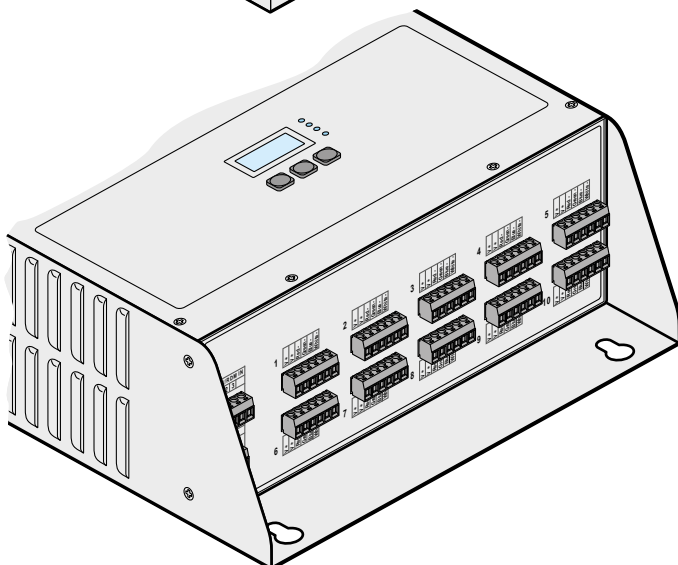100-277VAC 50/60Hz

Part #   **ALD-200-24 C2**
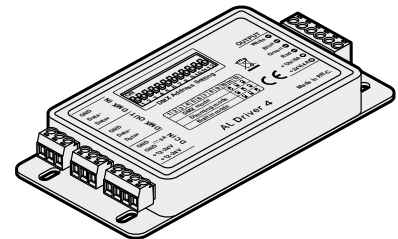
AL Driver 4
1 spool maximum
DMX or 0-10V
(sink or source)
24VDC input (use
in conjunction with
ALPS-series 24VDC
power supplies)

Part #   **ALD004**

AL Driver 400 C2
400W 24VDC
6 output ports
4 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
8 spools maximum
DMX, DALI or 0-10V
(sink or source)
Class 2 compliant
100-277VAC 50/60Hz

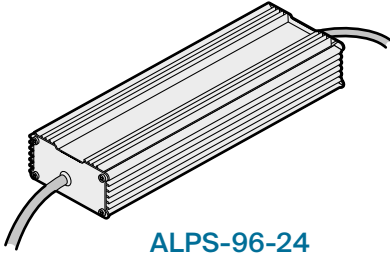Part #   **ALD-800-24 C2**

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Related components

Power supplies (wet and dry locations)
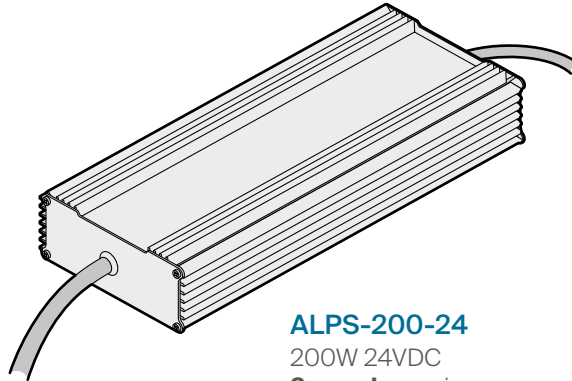*(for use with AL Driver 4)*

ALPS-96-24

96W 24VDC
1 spool maximum
IP66 ingress protection
100-277VAC 50/60Hz

Part #   **ALPS-96-24**

ALPS-200-24

200W 24VDC
2 spools maximum
IP66 ingress protection
100-277VAC 50/60Hz

Part #   **ALPS-200-24**

ALPS-400-24

400W 24VDC
4 spools maximum
IP66 ingress protection
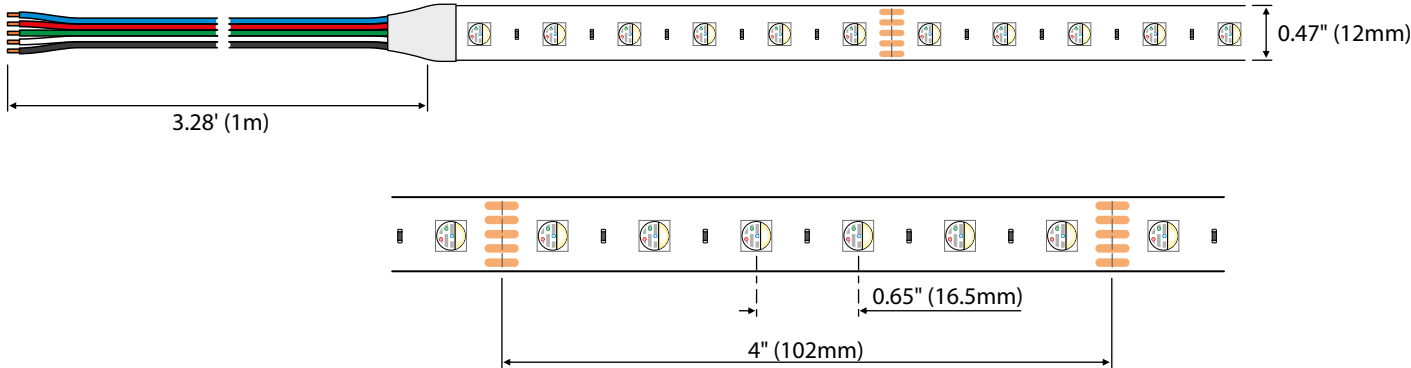100-277VAC 50/60Hz

Part #   **ALPS-400-24**

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Dimensions *(Strip)*

0.47" (12mm)

3.28' (1m)

0.65" (16.5mm)

4" (102mm)

Feed wire guide *(90W load / 1 spool)*

Maximum distance to Flex Spectrum strip	Required wire gauge
40' (12m)	18 AWG (0.823mm²)
100' (30.5m)	14 AWG (2.081mm²)
180' (55m)	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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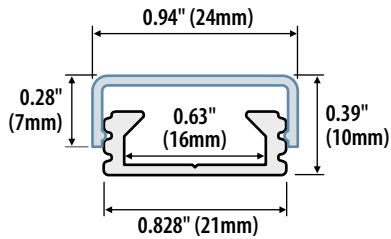
Dimensions *(Channels)*

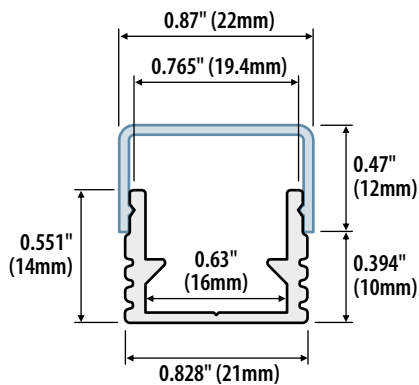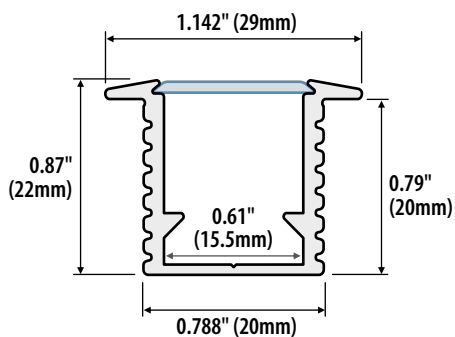### Flex channel low profile
FLX444

0.94" (24mm)
0.28" (7mm)
0.63" (16mm)
0.39" (10mm)
0.828" (21mm)

Flex channel tall profile
FLX888

0.87" (22mm)
0.765" (19.4mm)
0.47" (12mm)
0.551" (14mm)
0.63" (16mm)
0.394" (10mm)
0.828" (21mm)

Flex dual channel
FLX DUL

1.81" (46mm)
1.63" (41.5mm)
2.4" (61mm)
0.35" (9mm)
1.77" (45mm)
2.24" (57mm)

Flex channel recessed
FLX777

1.142" (29mm)
0.87" (22mm)
0.79" (20mm)
0.61" (15.5mm)
0.788" (20mm)

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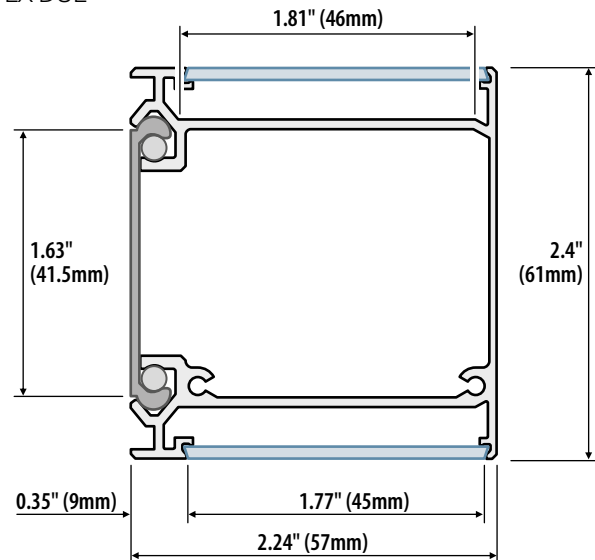
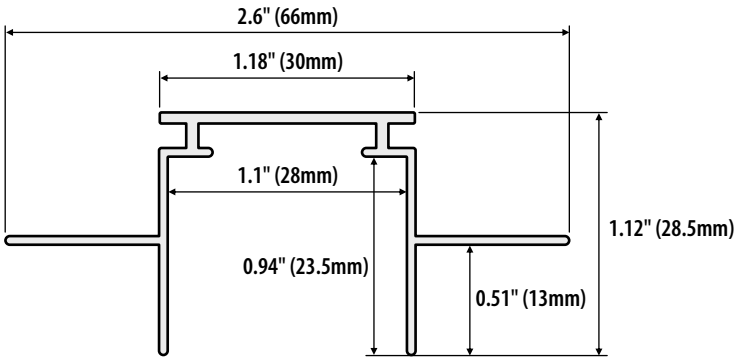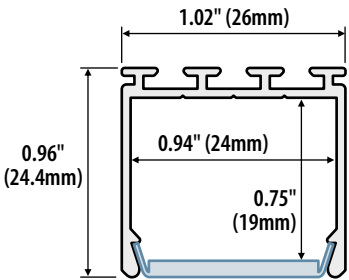|	PROJECT		FIRM		ORDER #		TYPE		QTY

Dimensions *(Channels)*
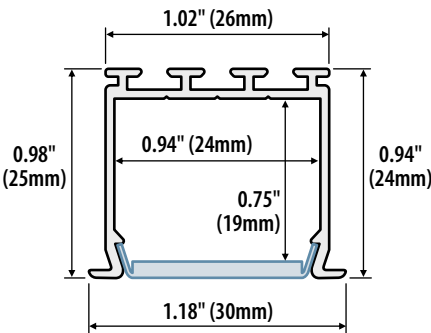
Flex drywall channel components

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: