

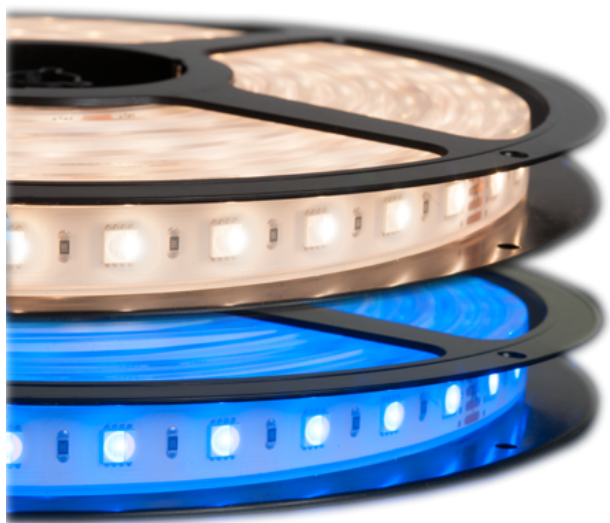
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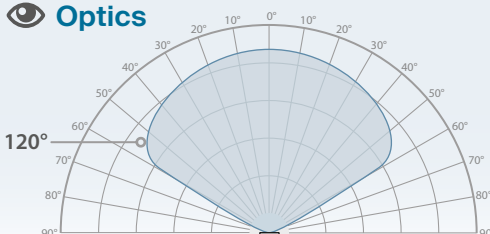
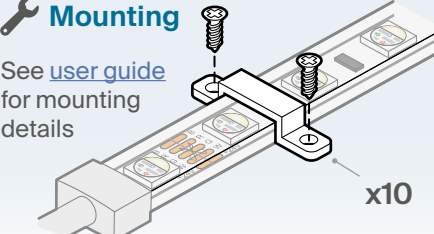
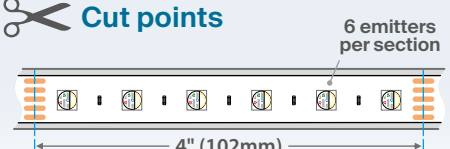


Flex Spectrum Exterior™ is an IP68-rated RGBW flexible strip designed to deliver a wide and accurate gamut in applications where saturated colors, pastels and high-CRI whites are required. By combining blue with the base warm white, it is straightforward to create a wide range of white hues, from 3000K 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.

Ten silicone mount clips plus screws are supplied, while a matching low profile aluminum channel option is also available.

At a glance

Optics 	Emitters  RGBW (W=3000K)	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 232 lumens per linear foot	Protection Ingress: IP68 Impact: IK06	Cut points 

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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	Ten silicone mounting clips plus screws included - see user guide for mounting details Optional aluminum channel available - see page 3
Material	Copper strip with white finish
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	16.22oz (460g)
Dimensions	LxWxH: 16.4' x 0.59" x 0.18" (5000 x 15 x 4.5mm) - see page 6
Certifications	  

Photometrics

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

Color	Lumens (per ft)	Center Candela	Efficacy (lumens per Watt)	CRI (Ra)
RGBW	232	62.6	37.7	>80 (white)



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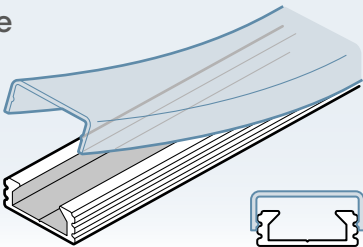
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Related components *(channel dimensions on page 6)*

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)	FLX477
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

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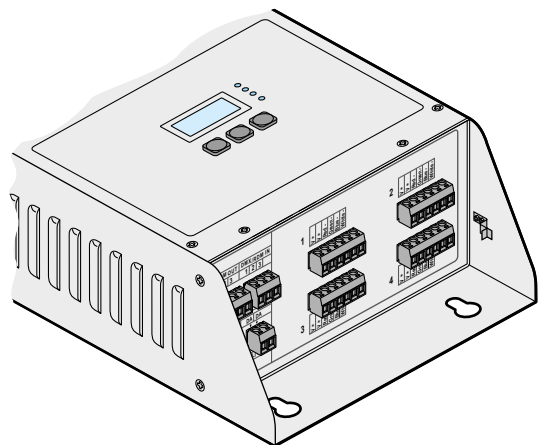
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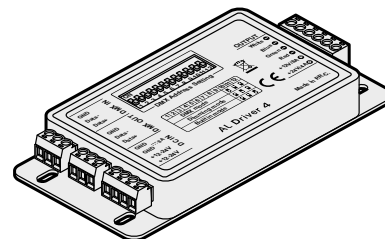
Related components

Drivers



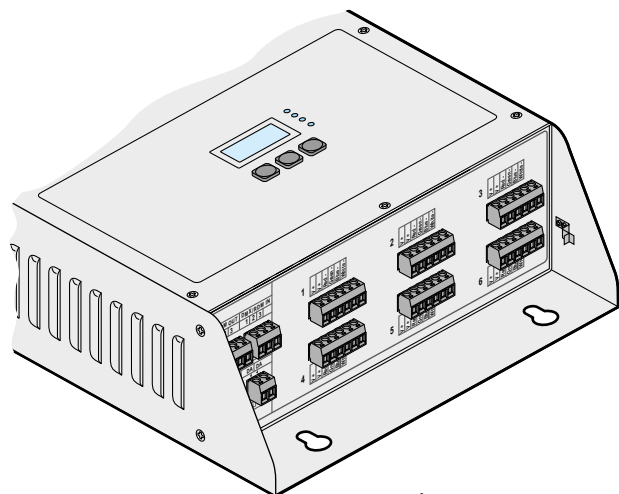
AL Driver 200 C2

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**



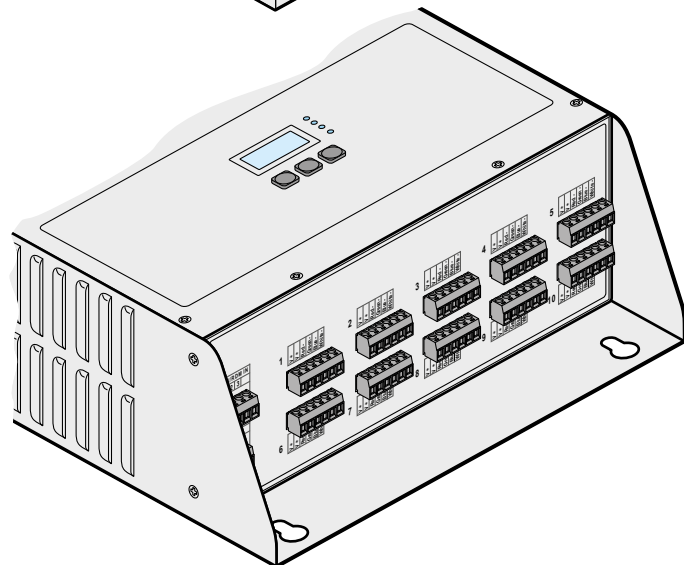
AL Driver 4

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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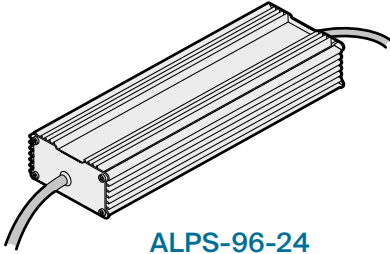
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Related components

Power supplies (wet and dry locations)

(for use with AL Driver 4)



ALPS-96-24

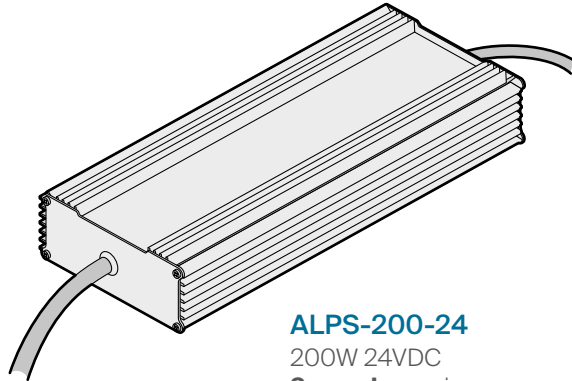
96W 24VDC

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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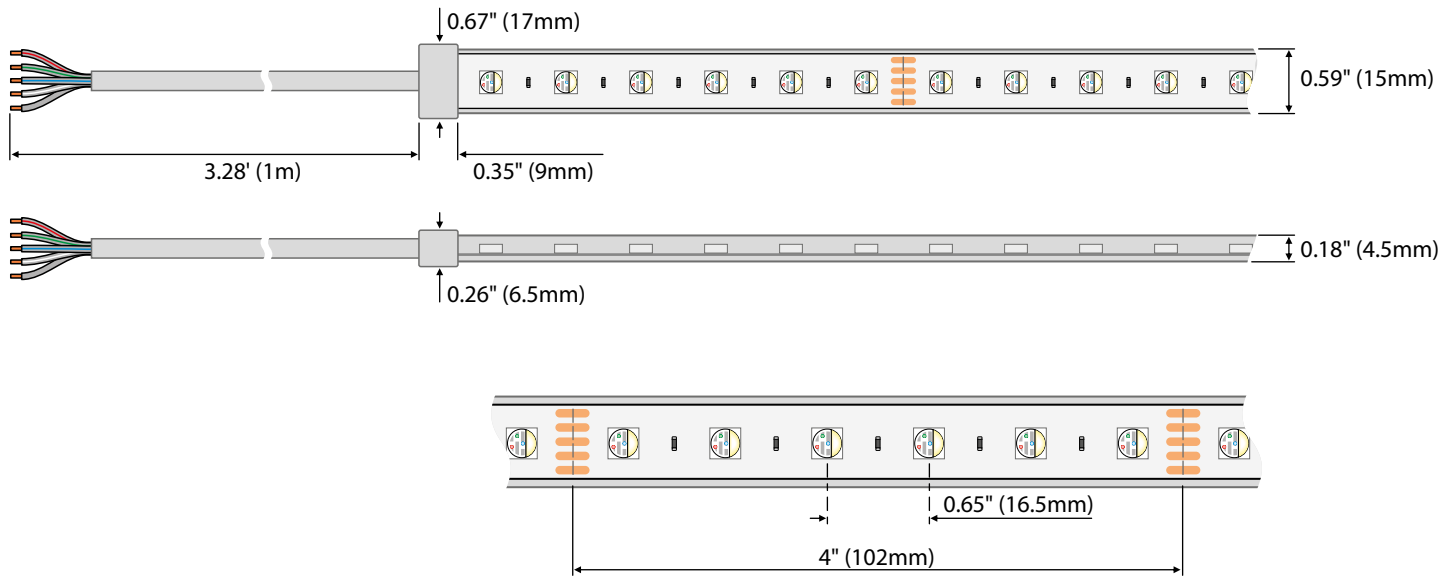
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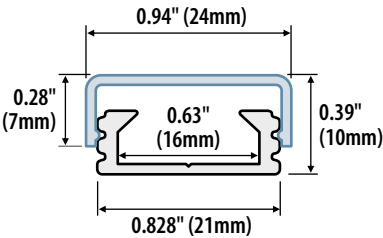
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Dimensions *(Strip)*



Dimensions *(Channel)*

Flex channel low profile
FLX477



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.

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

