

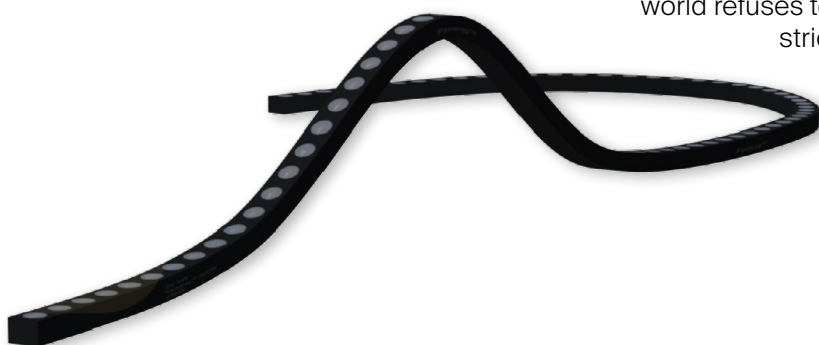
PROJECT

FIRM

ORDER #

TYPE

QTY

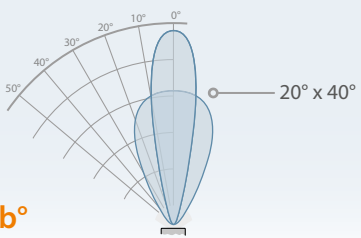


Flex Graze Spectrum™ fixtures provide the perfect fit wherever your world refuses to lie flat. Unlike most linear fixtures, which are strictly limited to bend only along one axis, Flex Graze Spectrum can achieve both horizontal and vertical bends to precisely match complex profiles.

Flex Graze Spectrum fixtures also benefit from an industry-leading **ten year** limited warranty to ensure complete confidence.

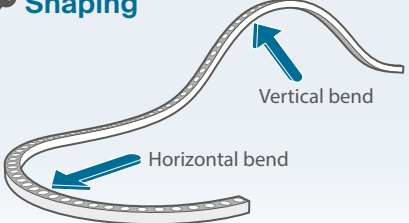
A range of driver options are available to allow control via DMX or DALI.

At a glance


Optics



Emitters


RGBW
(W=3000K or 4000K)


Shaping



Power

Low voltage:
24VDC
via driver


Temperature

-40° F to 131° F
-40° C to 55° C


Protection

Ingress: **IP67**
Impact: **IK10**
Vibration: **3G**


Output

Up to
244 lumens
per linear foot


Core technology


Configure your product

FGB-2 1 - Xnnn F N

Example final code: **FGB-211-X016FRN**

Finish:
1 = Black
2 = White

Length:
Please see below

Emitters:
Q = QS (Quad RGBW, W =3000K)
R = QW4 (Quad RGBW, W =4000K)

Please specify the required length by quoting the number of 9.84" (250mm) sections as a three-figure number between 001 and 016 (equating to lengths between 250mm and 4000mm). The three-figure number should immediately follow the 'X'. For example, for a 3m length (with 20° x 40° optics, QS emitters and black casing) the order code would be:

FGB-211-X012FQN



PROJECT

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Specifications

Emitters	QS (Quad RGBW, W=3000K), QW4 (Quad RGBW, W=4000K)
Optics	20° x 40°
Output	Up to 244 lumens per foot
Color consistency	3-step MacAdam ellipse (SDCM)
Lumen maintenance	L ₇₀ 80,000 hours (@ 25° C)
Control	Low voltage control via optional AL Driver: DMX (0-100%) or DALI (0-100%)
Operating voltage	24VDC
Power consumption	7.3W per linear foot (24W per linear meter)
Connection	16.4' (5m) injection molded feed cable with bare tails entering from the rear at one end
Fixture lengths	Built to order lengths from 9.84" (250mm) to 13.1' (4m). Sections points every 9.28" (250mm)
Minimum bends	Vertical bend radius: 15.7" (400mm). Horizontal bend radius: 31.5" (800mm)
Mounting	Press-fit aluminum channels in various lengths: 2" (50mm) to 6.5' (2m)
Material	UV resistant silicone
Finish	White or black
Ambient temperature range	-40° F to 131° F (-40° C to 55° C)
Ingress protection	IP67, wet location and temporary submersion (1 meter for up to 1 hour)
Impact protection	IK10, protection against 20 joule impact (40cm distance)
Vibration protection	ANSI C136.31, 3G-rated for high vibration and bridge applications
Warranty	10 years, limited
Weight	2.4 lbs (1.1 kg)
Dimensions	See page 6
Certifications	    

* UL approval limits submersible installation to non-human occupied and freshwater locations only. All cables must be landed in environmentally suitable junction boxes.

Photometrics

Optics	CCT	Lumens (/ft)	Efficacy (lm/W)	Max Candela
20° x 40°	QS (W=3000K)	219	30	TBA
20° x 40°	QW4 (W=4000K)	244	33	TBA

PROJECT

FIRM

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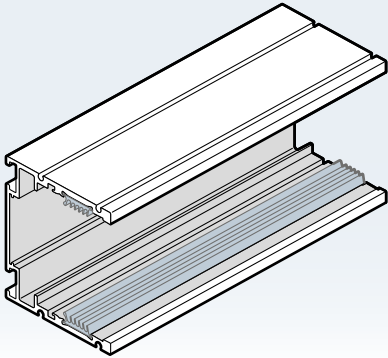
TYPE

QTY

Related components *(channel dimensions on page 7)*

Rigid channel

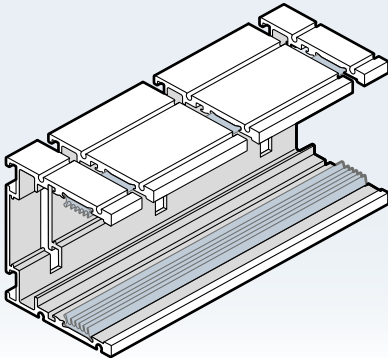
A rigid aluminum channel for straight Flex Graze HO SC runs. Available in 1.96" (50mm), 1.64' (500mm), 3.28' (1m) and 6.56' (2m) lengths. Supplied with between 2 and 10 screws, depending on the chosen length.



1.96" (50mm)	FGZCH50
1.64' (500mm).....	FGZCH500
3.28' (1m).....	FGZCH1000
6.56' (2m).....	FGZCH2000

Flexible channel for horizontal bends

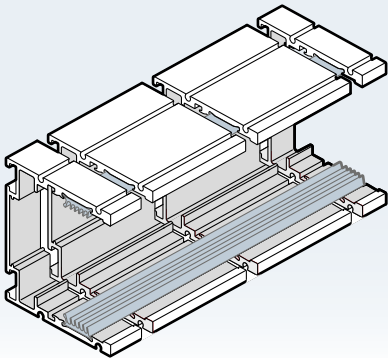
An aluminum channel with one sectioned side wall to allow bends to be formed in the horizontal axis. Available in 3.28' (1m) and 6.56' (2m) lengths. Supplied with 5 or 10 screws, depending on the chosen length.



3.28' (1m).....	FGZFHCH1000
6.56' (2m).....	FGZFHCH2000

Flexible channel for vertical bends

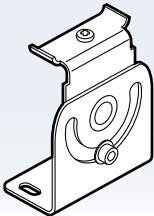
An aluminum channel with dual sectioned side walls to allow bends to be formed in the vertical axis. Available in 3.28' (1m) and 6.56' (2m) lengths. Supplied with 5 or 10 screws, depending on the chosen length.



3.28' (1m).....	FGZFVCH1000
6.56' (2m).....	FGZFVCH2000

Swivel bracket

Robust stainless steel swivel bracket for use with all of the above channels. Features 180° swivel movement with locking bolt.



Swivel bracket.....	FGZ180MB
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PROJECT

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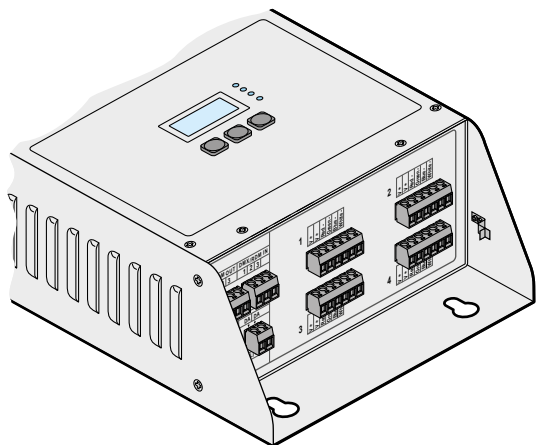
ORDER #

TYPE

QTY

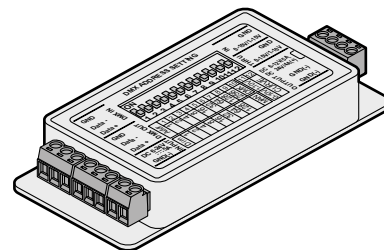
Related components

Drivers



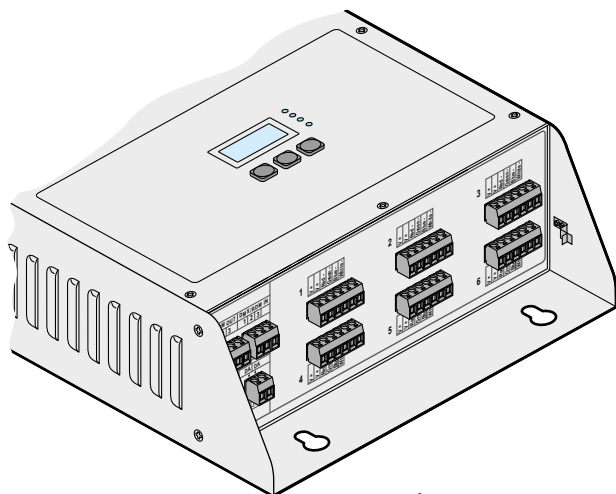
AL Driver 200 C2

200W 24VDC
4 output ports
2x 4m spools maximum
DMX or DALI control
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-200-24 C2**



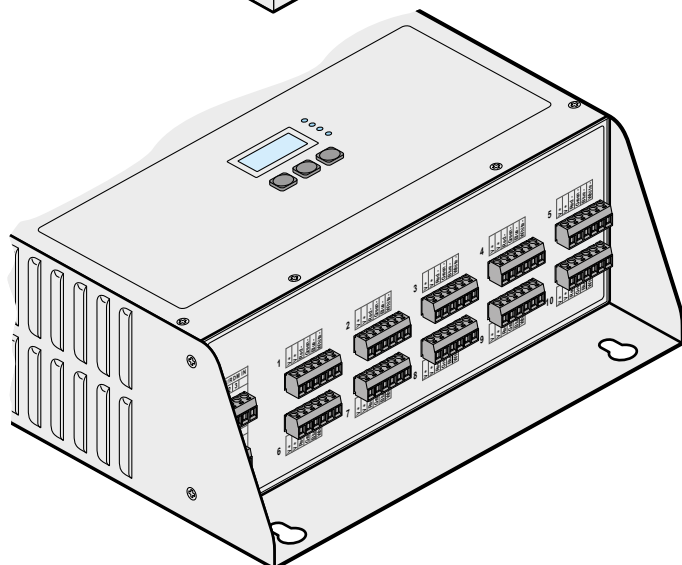
AL Driver 4

1x 4m spool
maximum
DMX control
24VDC input (use
in conjunction with
ALPS-series 24VDC
power supplies)
Part # **ALD004**



AL Driver 400 C2

400W 24VDC
6 output ports
4x 4m spools maximum
DMX or DALI control
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-400-24 C2**



AL Driver 800 C2

800W 24VDC
10 output ports
8x 4m spools maximum
DMX or DALI control
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-800-24 C2**

SCAN
FOR
PRODUCT
PAGE



PROJECT

FIRM

ORDER #

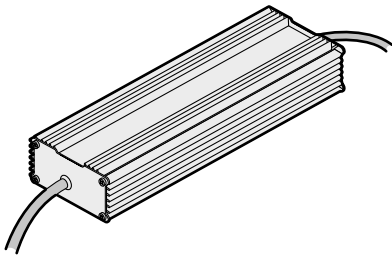
TYPE

QTY

Related components

Power supplies (wet and dry locations)

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



ALPS-96-24

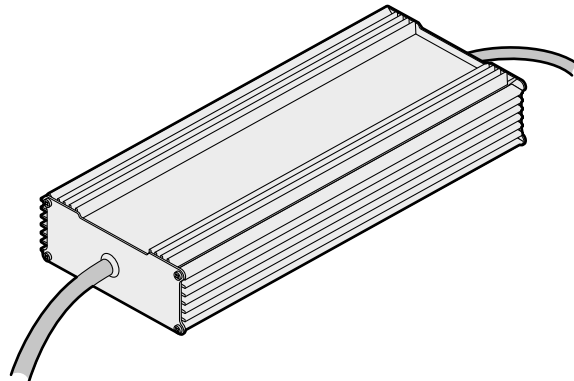
96W 24VDC

1x 4m spool maximum

IP66 ingress protection

100-277VAC 50/60Hz

Part # **ALPS-96-24**



ALPS-200-24

200W 24VDC

2x 4m spools maximum

IP66 ingress protection

100-277VAC 50/60Hz

Part # **ALPS-200-24**

ALPS-400-24

400W 24VDC

4x 4m spools maximum

IP66 ingress protection

100-277VAC 50/60Hz

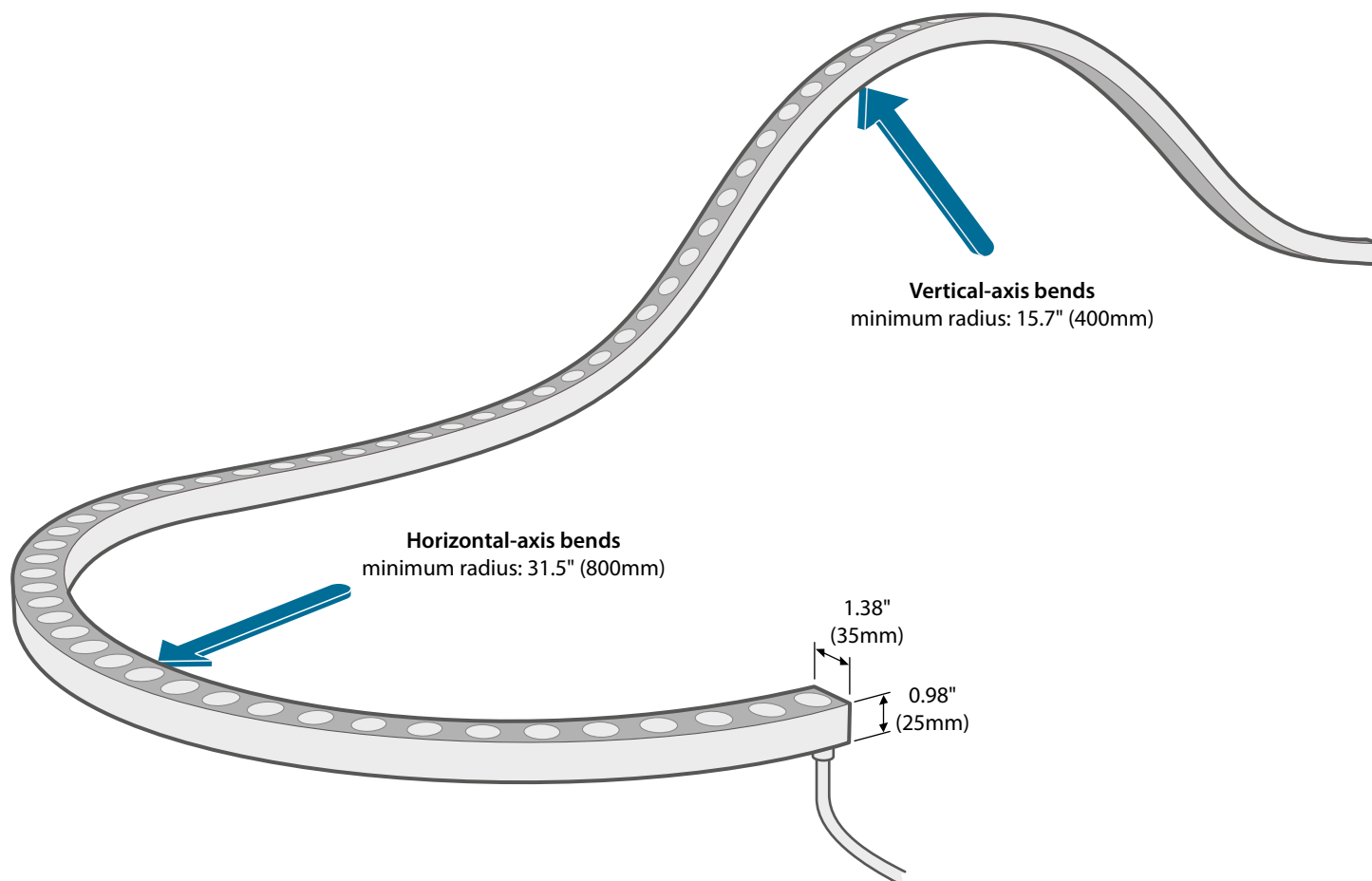
Part # **ALPS-400-24**



SCAN
FOR
PRODUCT
PAGE

PROJECT FIRM ORDER # TYPE QTY

Dimensions



PROJECT

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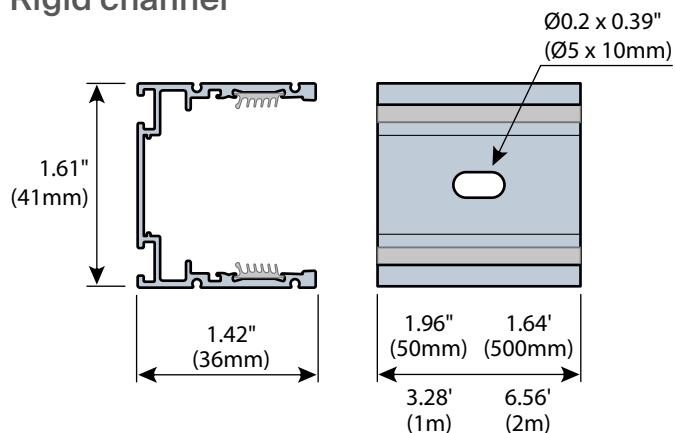
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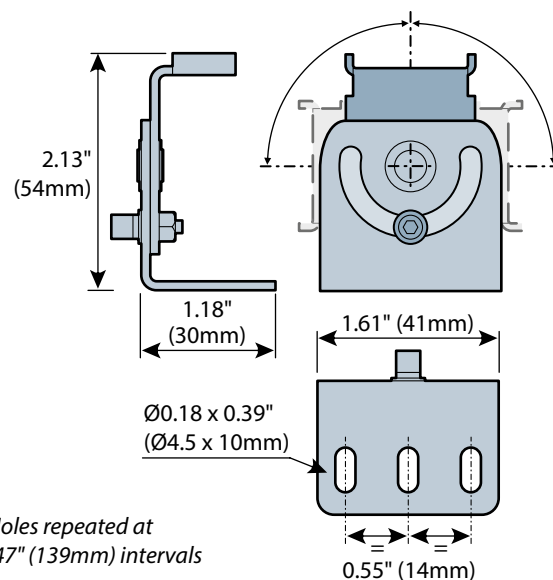
QTY

Dimensions

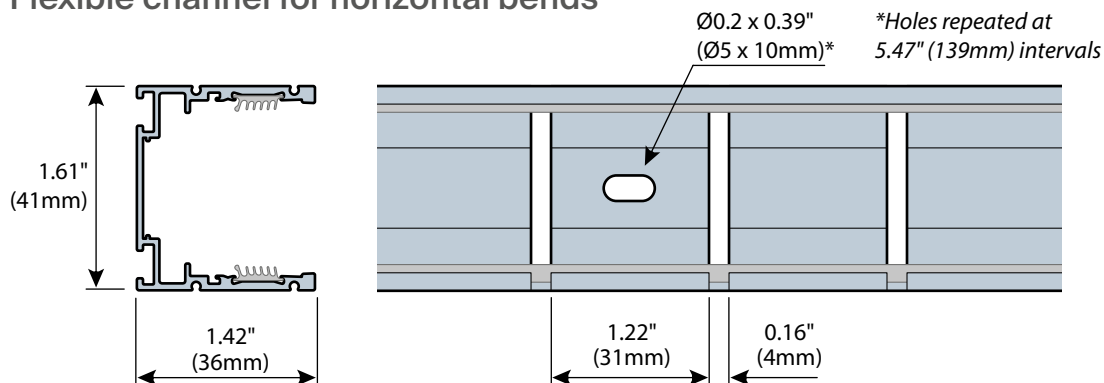
Rigid channel



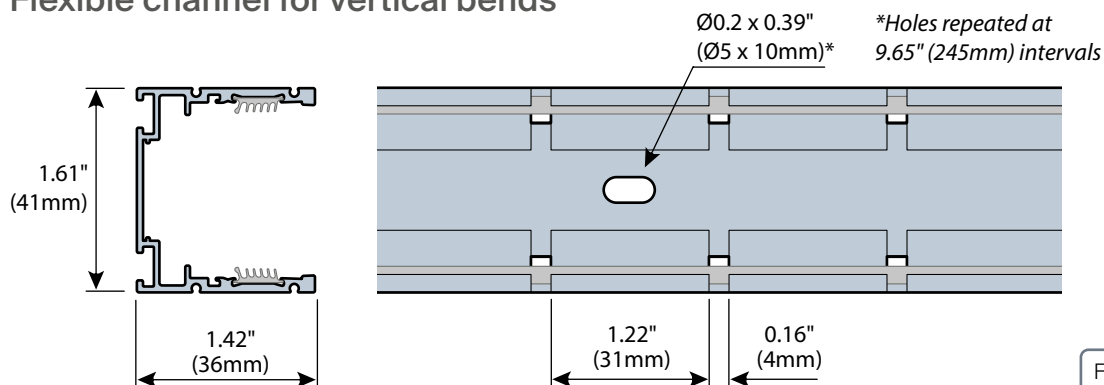
Swivel mount



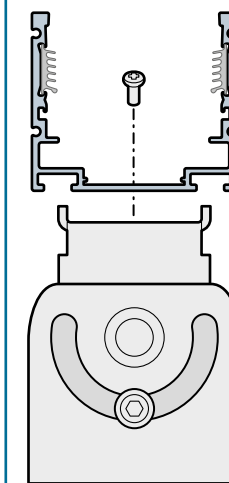
Flexible channel for horizontal bends



Flexible channel for vertical bends



Attaching a channel to the swivel mount



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

