

PROJECT

FIRM

ORDER #

TYPE


QTY

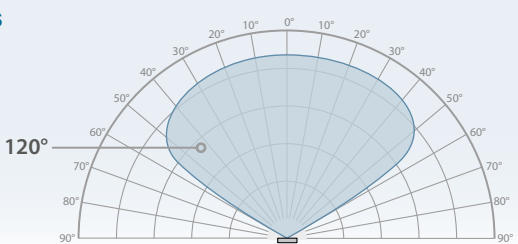



Flex Tube DW G2™ is a low profile, exterior-rated linear LED strip with a fully homogenized 'dotless' direct view appearance. Dynamic white mixing allows you to create a seamless range of color temperatures from a warm 2200K up to a cool 5700K.

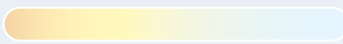


The highly durable silicone body is fully rated to IP68 for wet location use; IK08 for impact resistance and 3G (ANSI C136.31) for high vibration and bridge applications. Two bend-direction options are available and matching aluminum channels perfectly compliment Flex Tube DW G2 for surface mount, recessed and flexible installations. A range of driver options are available to allow control via DMX or DALI.


At a glance



Optics






Emitters


2200K to 5700K





Power
 Low voltage:
24VDC
 via driver


Consumption
3.65W per foot
12W per meter


Temperature
-40° F to **131° F**
-40° C to **55° C**

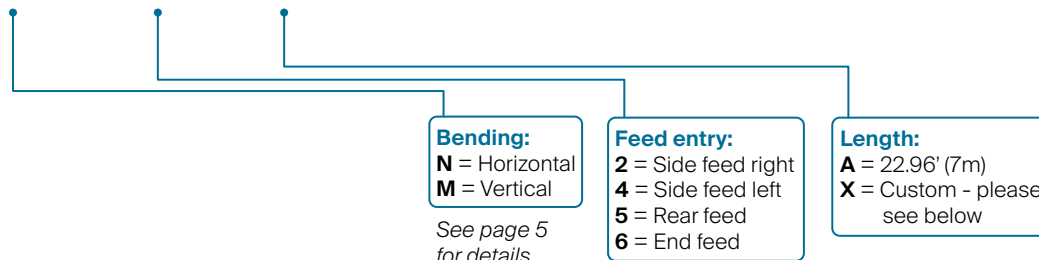

Output
 Up to
199 lumens
 per linear foot


Protection
 Ingress: **IP68**
 Impact: **IK08**
 Vibration: **3G**

Configure your product

F2 **-22** **-Xnn AXN**

Example final code: **F2N-225-AAXN**



For any length other than a full 7m spool, please specify the required length by quoting the number of 3.28" (83.34mm) sections as a two-figure number between 02 and 84 (equating to lengths between 6.56" (166.6mm) and 22.96' (7m)). The number should immediately follow the 'X'. For example, for a 4m length (with horizontal bend and rear feed) the order code would be:

F2N-225-X48AXN



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Specifications

Emitters	Dynamic white: 2200K to 5700K
Optics	120°
Output	Up to 199 lumens per foot
Lumen maintenance	L ₇₀ 50,000 hours (@ 25° C)
Control	Low voltage control via optional AL Driver: DMX (0-100%) or DALI (0-100%) - 2 channels required
Operating voltage	24VDC
Power consumption	3.65W per foot (12W per meter)
Connection	16.4' (5m) injection molded feed cable with bare tails
Fixture lengths	Built to order lengths from 6.56" (166.6mm) to 22.96' (7m). Section points every 3.28" (83.34mm)
Minimum bends	Separate model options with vertical or horizontal bend. Minimum bend radius: 5.9" (150mm)
Mounting	Press-fit aluminum channels in various lengths: 0.78" (20mm), 3.28' (1m) or 6.5' (2m)
Material	UV resistant silicone
Finish	White
Ambient temperature range	-40° F to 131° F (-40° C to 55° C)
Ingress protection	IP68, wet location, submersible* to 6.56' (2m)
Impact protection	IK08, protection against 5 joule impact (30cm distance)
Vibration protection	ANSI C136.31, 3G-rated for high vibration and bridge applications
Warranty	5 years, limited
Weight	5.73 lbs (2.59 kg) for 7m spool
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 (estimated)

For all available IES files, please visit acclaimlighting.com/flex-tube-dw-g2

Bend type	Lumens (/ft)	Max Candela	CRI	TM30
Horizontal bend	167	53.2	88	86.5
Vertical bend	199	64.3	87.8	86.3

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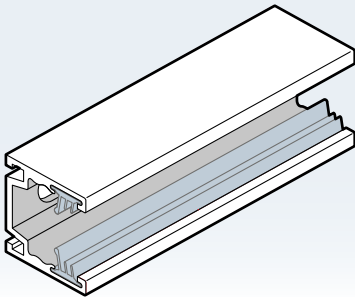
TYPE

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Related components *(channel dimensions on page 7)*

Rigid channel

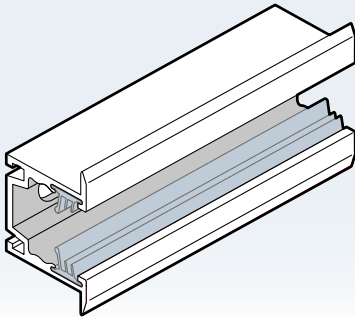
A rigid aluminum channel for straight Flex Tube runs. Available in 0.78" (20mm), 3.28' (1m) and 6.56' (2m) lengths. Supplied with between 1 and 10 screws, depending on the chosen length.



0.78" (20mm)	F2CH20
3.28' (1m).....	F2CH1000
6.56' (2m).....	F2CH2000

Rigid flanged channel

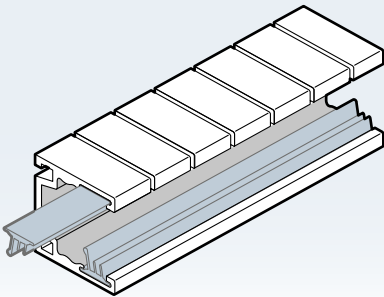
A rigid aluminum channel for straight Flex Tube runs, featuring a flanged edge for recessed applications. Available in 0.78" (20mm), 3.28' (1m) and 6.56' (2m) lengths. Supplied with between 1 and 10 screws, depending on the chosen length.



0.78" (20mm)	F2RCH20
3.28' (1m).....	F2RCH1000
6.56' (2m).....	F2RCH2000

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 1.64' (500mm) and 3.28' (1m) lengths. Supplied with 2 or 5 screws, depending on the chosen length.



For horizontal bend versions

1.64' (500mm).....	F2FCH500
3.28' (1m).....	F2FCH1000



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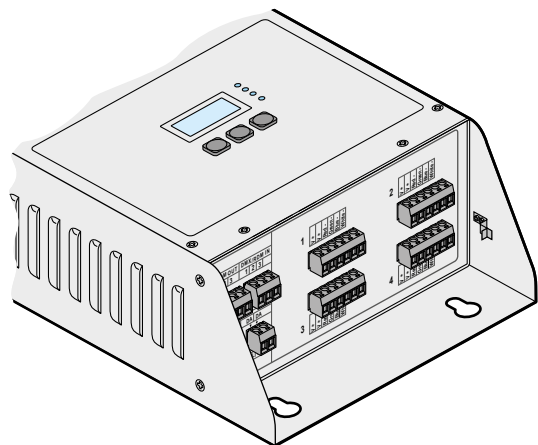
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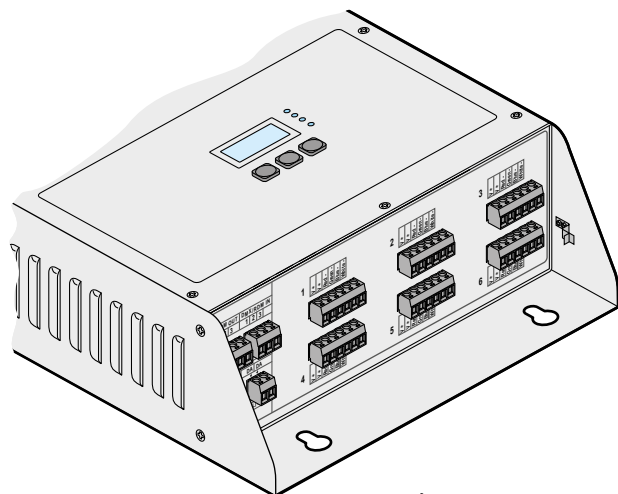
Related components

Drivers



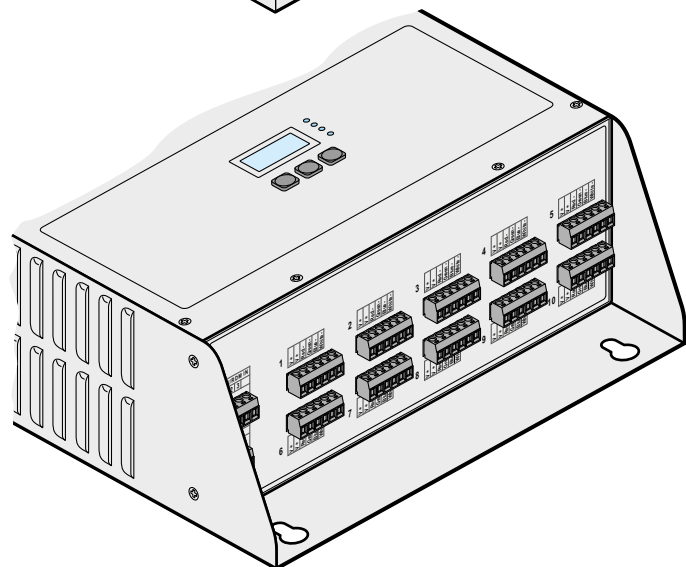
AL Driver 200 C2

200W 24VDC
4 output ports
2x 5m spools maximum
DMX, DALI or 0-10V
(sink or source)
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-200-24 C2**



AL Driver 400 C2

400W 24VDC
6 output ports
4x 5m 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
8x 5m spools maximum
DMX, DALI or 0-10V
(sink or source)
Class 2 compliant
100-277VAC 50/60Hz
Part # **ALD-800-24 C2**

SCAN
FOR
PRODUCT
PAGE



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Bends and feed entries

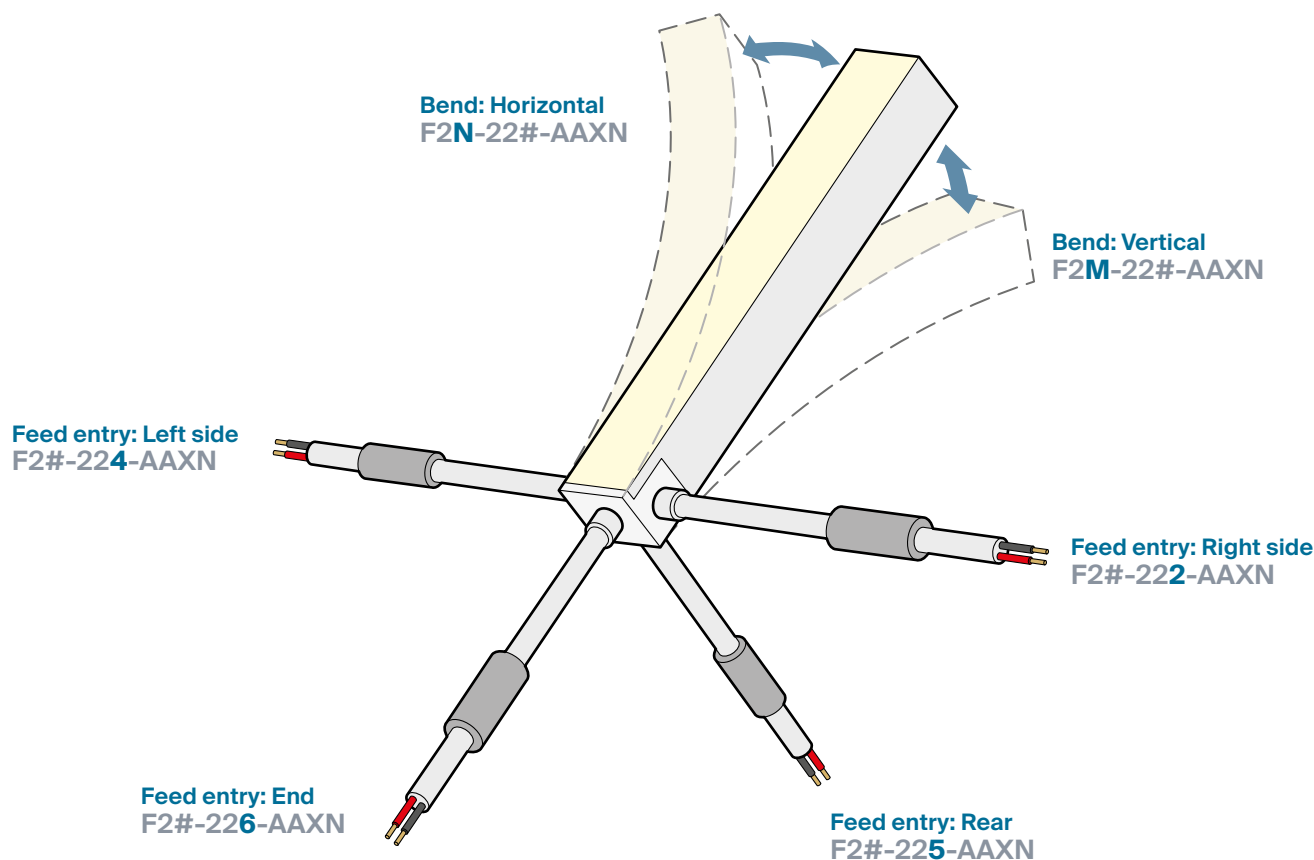
Flex Tube DW G2 strips are available with two bend options and four choices of power feed entries, which can be mixed in any combination to suit your installation.

The bend and feed entry options affect the order code as follows:

F2#-22#-AAXN

Bend

Feed entry



Link cable guidelines

Connection cable extensions used to link Flex Tubes to the power/driver unit should follow these guidelines:

- Up to 40 feet (12m) 18 AWG (0.823mm²)
- Up to 100 feet (30.5m) 14 AWG (2.081mm²)
- Up to 170 feet (51.8m) 12 AWG (3.309mm²)

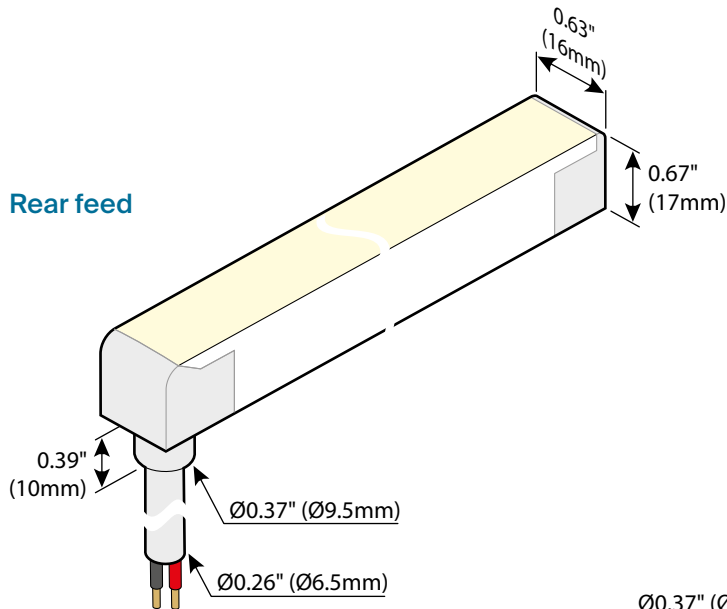
In all cases, ensure that the voltage drop at the fixture end of the link cable is no greater than 8% (1.92V) of the original 24VDC supply.



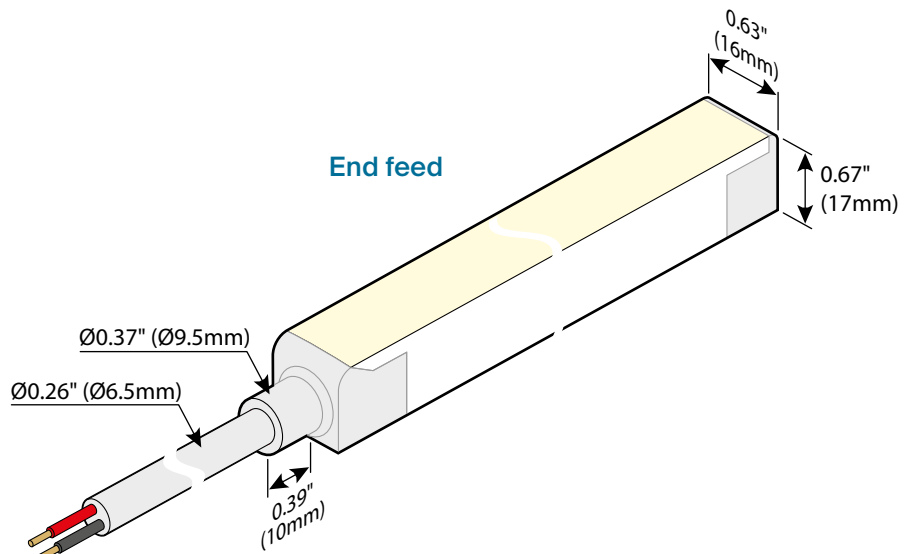
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Dimensions

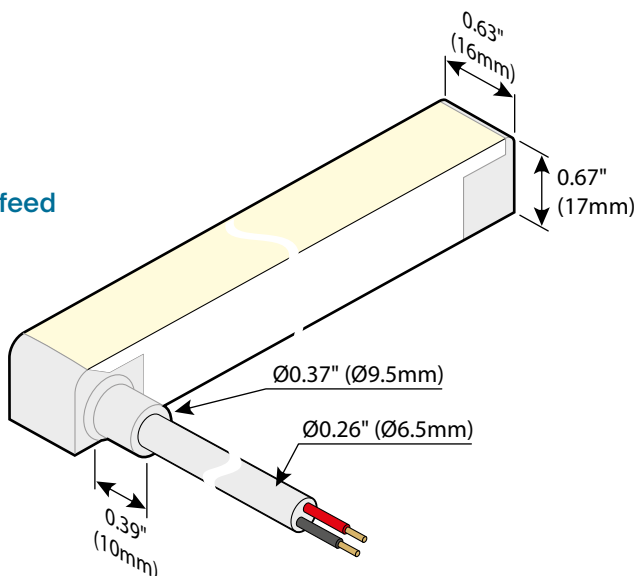
Rear feed



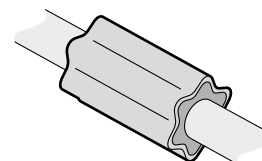
End feed



Side feed



Note: Each feed cable has a metal-encased joint roughly 5" (130mm) from the inlet, which must not be removed.



Max Ø0.59" (15mm)



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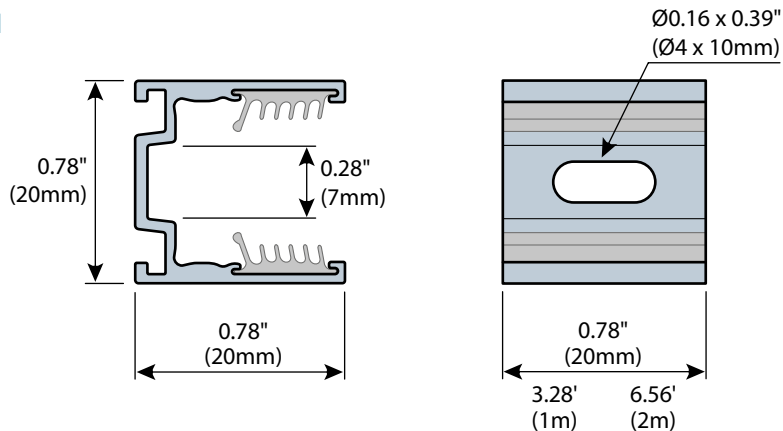
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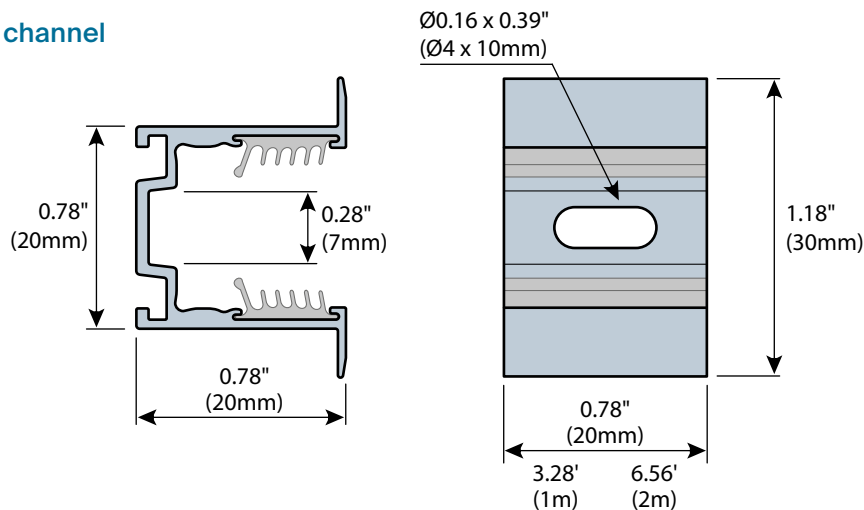
QTY

Dimensions

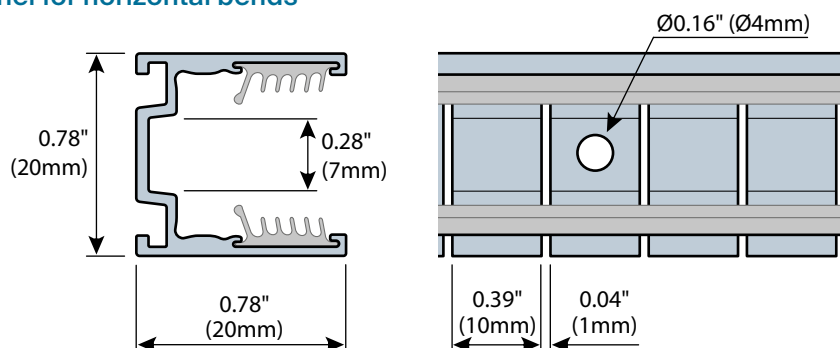
Rigid channel



Rigid flanged channel



Flexible channel for horizontal bends



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

