

PROJECT

FIRM

ORDER #

TYPE

QTY

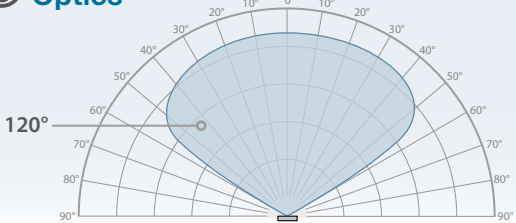


Flex Tube Spectrum G2™ is a low profile, exterior-rated linear LED strip with a fully homogenized 'dotless' direct view appearance. The highly durable silicone body is fully rated to IP68 for wet location use; IK08 for impact resistance and 3G (ANSI C136.31) for high vibration and bridge applications.

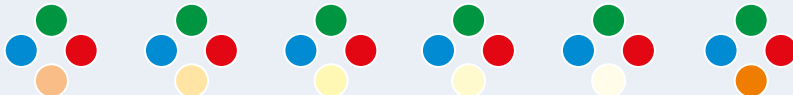
Two bend-direction options are available, together with three variants of quad emitters for wide gamut color mixing. Matching aluminum channels perfectly compliment Flex Tube Spectrum G2 for surface mount, recessed and flexible installations. A range of driver options are available to allow control via DMX or DALI.

At a glance


Optics




Emitters



QW22
RGBW
(W=2200K)
 or
 QW24
RGBW
(W=2400K)
 or
 QW27
RGBW
(W=2700K)
 or
 QS
RGBW
(W=3000K)
 or
 QW4
RGBW
(W=4000K)
 or
 RGBA


Power

Low voltage:
24VDC
via driver


Consumption

4.57W per foot
15W per meter


Temperature

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


Output

Up to
244 lumens
per linear foot


Protection

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

Configure your product

F2 **-22** **-Xnn** **A** **N**

Example final code: **F2H-225-X48AQN**

Bending:

H = Horizontal
J = Vertical

See page 5
for details

Feed entry:

2 = Side feed right
4 = Side feed left
5 = Rear feed
6 = End feed

Length:

A = 19.6' (6m)
X = Custom - please
see below

Emitters:

K = QW22 (RGBW, W=2200K)
M = QW24 (RGBW, W=2400K)
N = QW27 (RGBW, W=2700K)
Q = QS (RGBW, W=3000K)
R = QW4 (RGBW, W=4000K)
T = RGBA



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Specifications

Emitters	QW22 (Quad RGBW, W=2200K), QW24 (Quad RGBW, W=2400K), QW27 (Quad RGBW, W=2700K), QS (Quad RGBW, W=3000K), QW4 (Quad RGBW, W=4000K) or RGBA
Optics	120°
Output	Up to 244 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%)
Operating voltage	24VDC
Power consumption	4.57W per foot (15W 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 19.6' (6m). 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	4.3 lbs (1.95 kg) for 6m 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-spectrum-g2

Emitter style (bend type)	Lumens (/ft) (all emitters on)	Max Candela	CRI (white emitters)	TM30 (white emitters)
QS RGBW (horizontal bend)	186	59.8	82.5	83.5
QS RGBW (vertical bend)	228	73.5	82.3	83.3
QW4 RGBW (horizontal bend)	204	65.8	84.6	83.7
QW4 RGBW (vertical bend)	244	79.1	83.9	83.5

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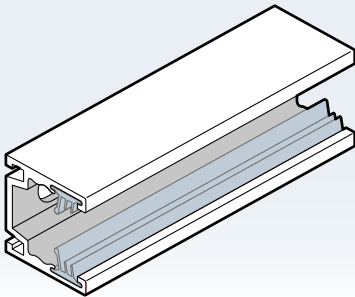
TYPE

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Related components *(channel dimensions on page 7)*

Rigid channel

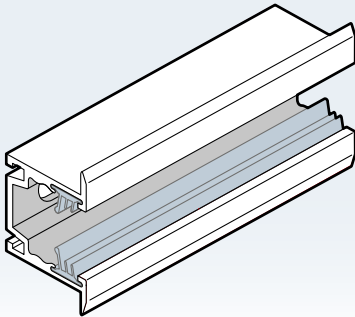
A rigid aluminum channel for straight Flex Tube runs. Available in 0.78" (20mm), 3.28' (1m) and 6.56' (2m) lengths. Supplied with between 1 and 10 screws, depending on the chosen length.



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

Rigid flanged channel

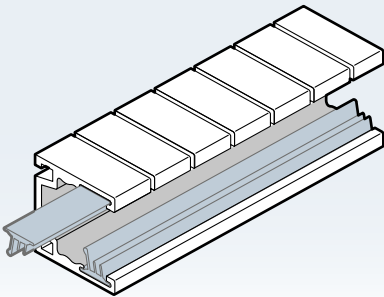
A rigid aluminum channel for straight Flex Tube runs, featuring a flanged edge for recessed applications. Available in 0.78" (20mm), 3.28' (1m) and 6.56' (2m) lengths. Supplied with between 1 and 10 screws, depending on the chosen length.



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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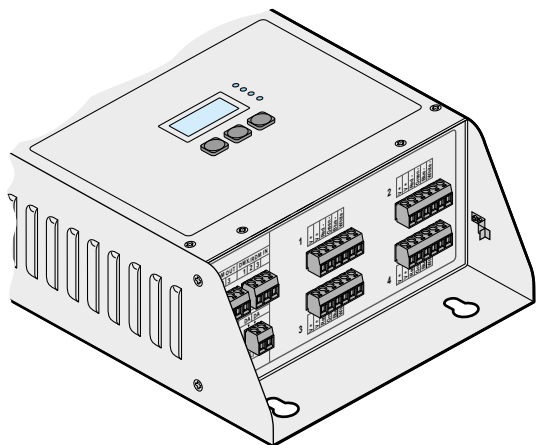
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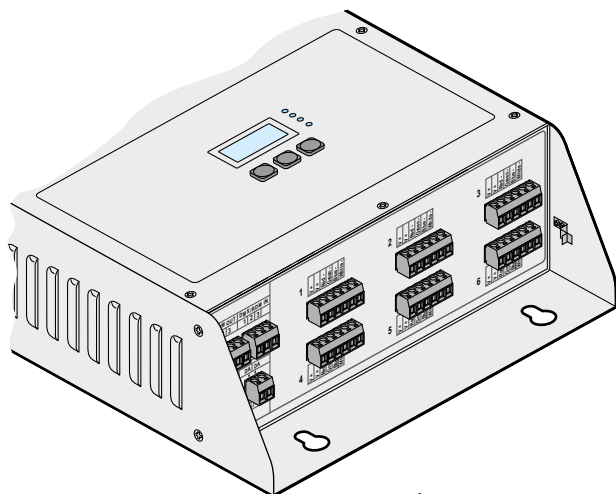
Related components

Drivers



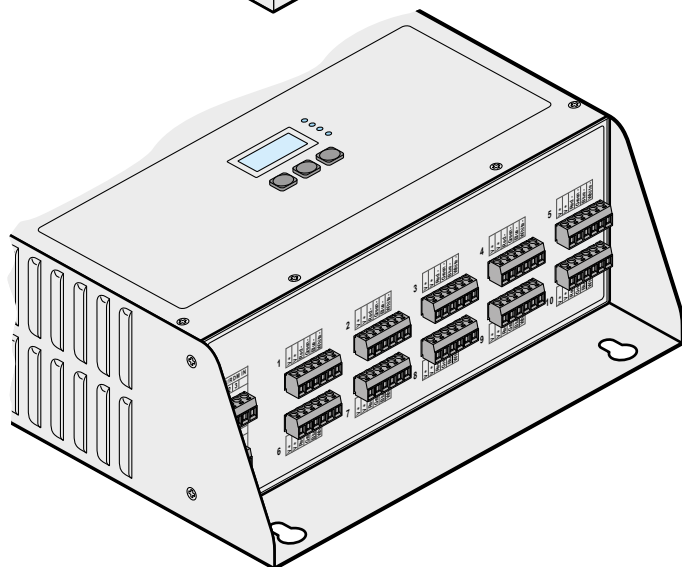
AL Driver 200 C2

200W 24VDC
4 output ports
2x 6m 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 6m 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 6m 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
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Bends and feed entries

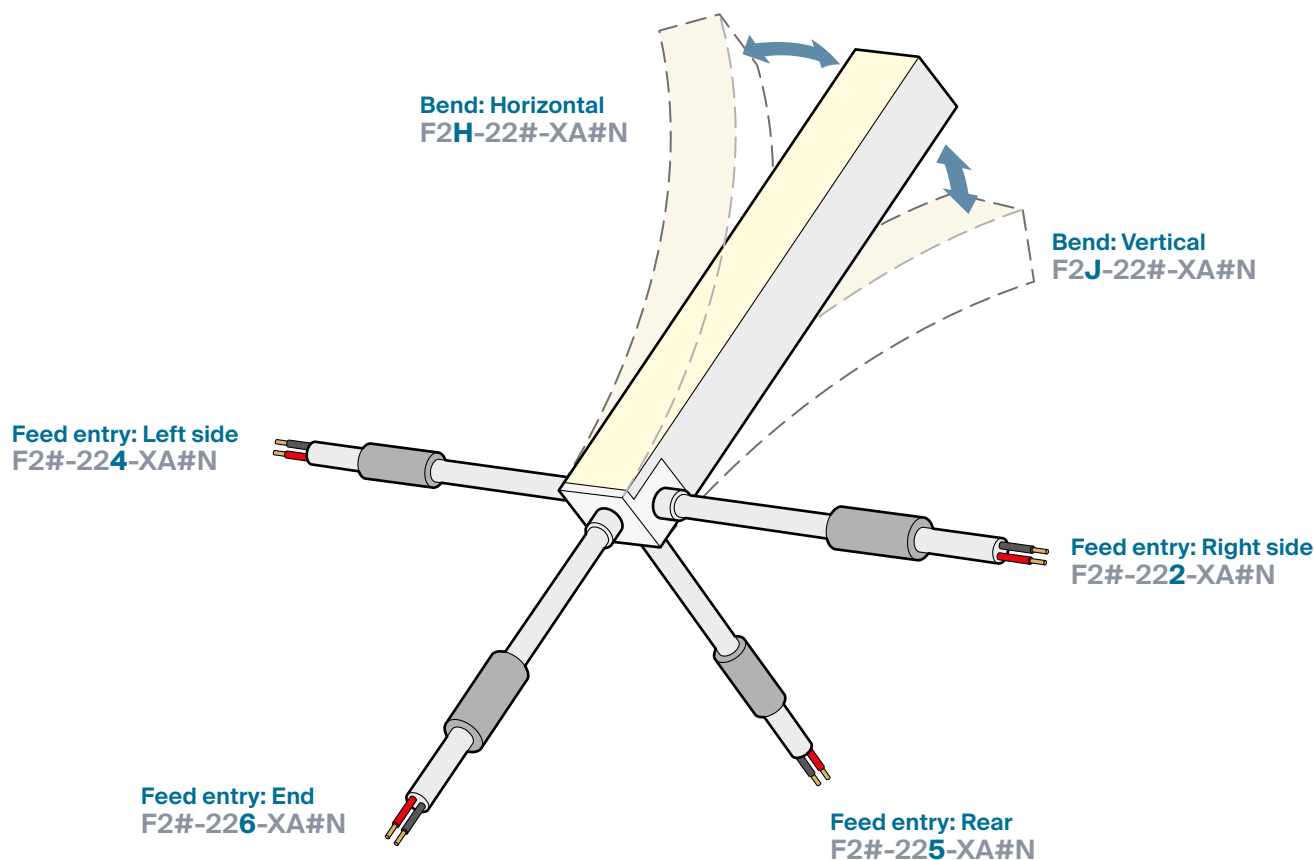
Flex Tube Spectrum G2 strips are available with two bend options and four choices of power feed entries, which can be mixed in any combination to suit your installation.

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

F2#-22#-XA#N

Bend

Feed entry



Link cable guidelines

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

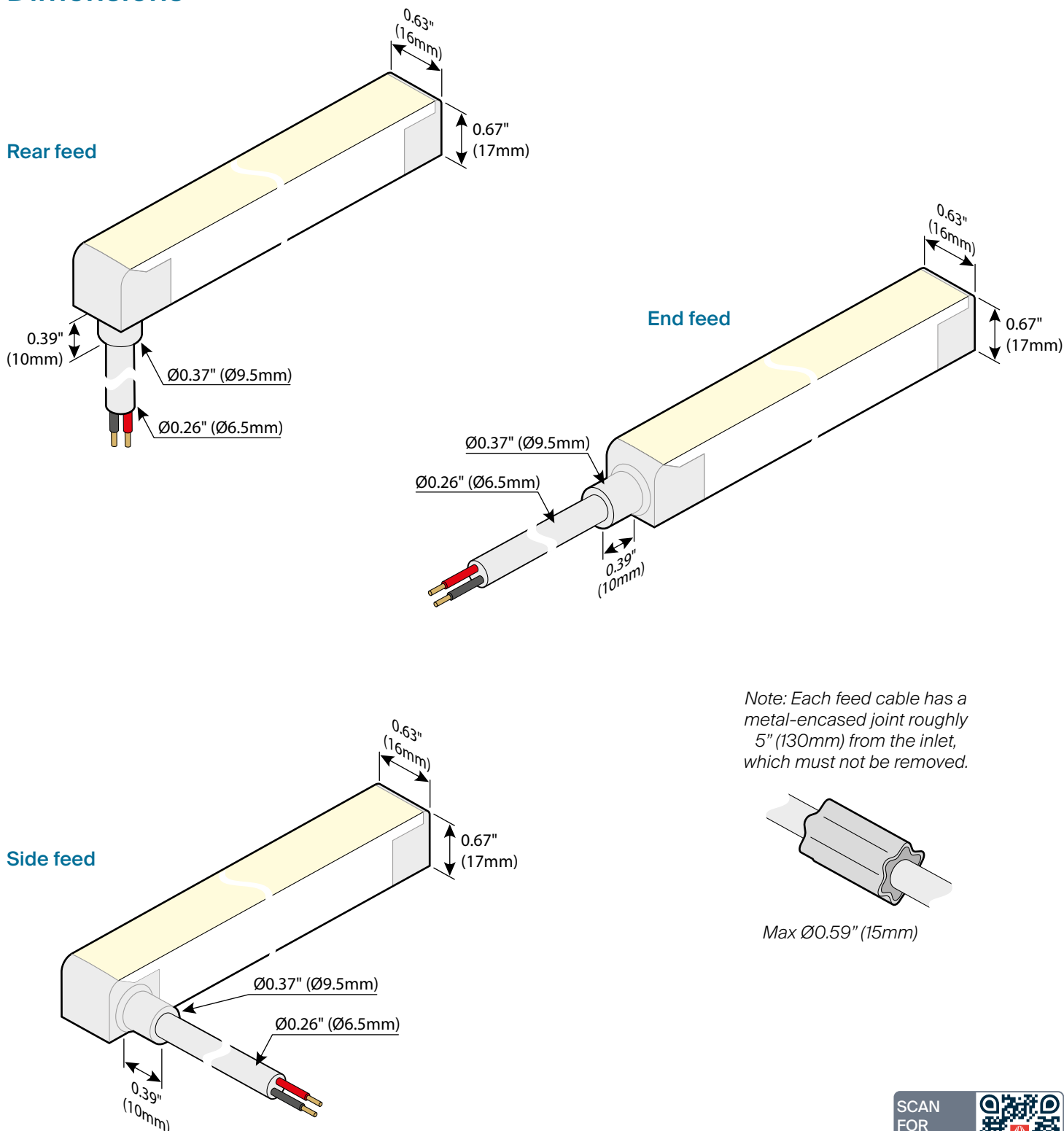
- Up to 40 feet (12m) 18 AWG (0.823mm²)
- Up to 100 feet (30.5m) 14 AWG (2.081mm²)
- Up to 170 feet (51.8m) 12 AWG (3.309mm²)

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



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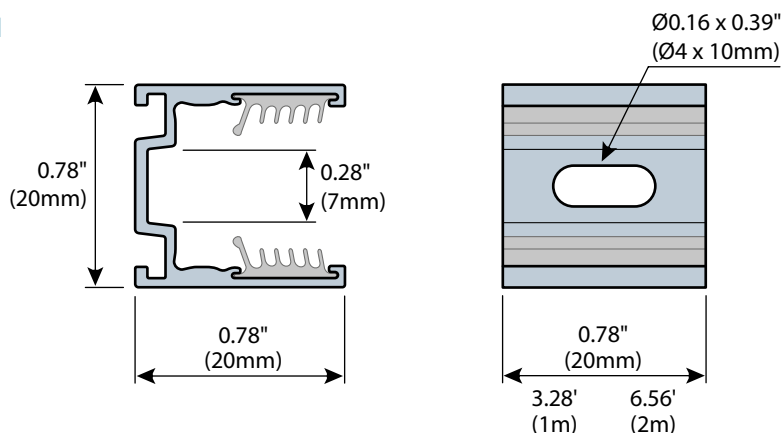
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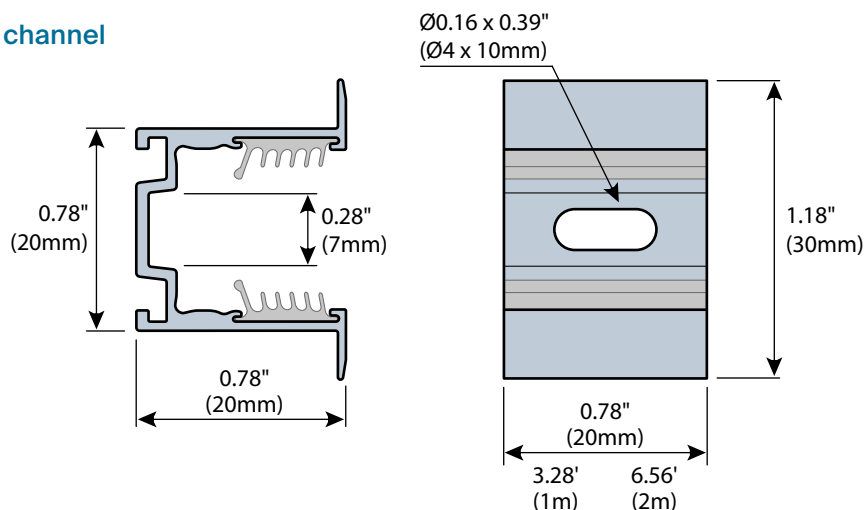
QTY

Dimensions

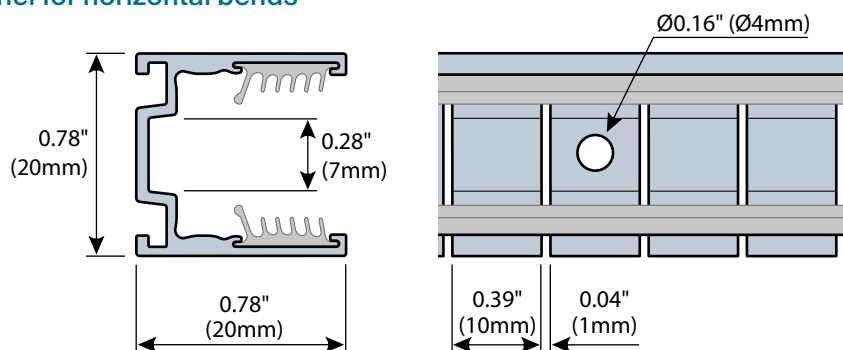
Rigid channel



Rigid flanged channel



Flexible channel for horizontal bends



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

