

Client: _____

Project: _____

Type: _____

Order Code: _____

Quantity: _____

Flex Tube Pixel is a flexible, direct view LED strip, that features individual control of every 3.28" (83.34mm) section. It comes in a 5m spool or custom built lengths to suit project requirements, and features a highly durable second-generation silicone body, which is outdoor rated, high impact resistant, and 3G vibration rated.

SPECIFICATIONS

Colors	RGB, QS (Quad RGBW, W=3000K), or QW4 (Quad RGBW, W=4000K)
Beam Angle	120°
Photometrics	Up to 287 lumens per foot (see page 5 for details)
Strip Length	Built to order lengths from 6.56" (166.6mm) to 16.4' (5m), section length is 3.28" (83.34mm)
Control & Channel Count	0-100% dimming via DMX, 3 or 4 channels per 3.28" pixel, 180 / 240 channels per 16.4' (5m)
Sections / Pixels	Pixel distance of 3.28" (83.34mm), 60 RGB or RGBW sections per 16.4' (5m) spool
Power Consumption	6.7W per foot, 22W per meter
Operating Voltage	24VDC
Lumen Maintenance	L70 @ 50,000 hours (25° C)
Mounting	Aluminum mounting channel required, 0.78" (20mm), 11.8' (1m), or 6.56' (2m) lengths
Finish	White
Material	UV resistant silicone
Ambient Operating Temperature	-40° F to 131° F (-40° C to 55° C)
IP Rating	IP68, wet location, submersible* up to 6.56' (2m)
IK Rating	IK08, protection against 5 joule impact
Fixture Connectors	16.4' (5m) injection molded feed cable and end cap included
Warranty	5 Years, limited
Weight	3.57 lbs (1.62 kg) - 5m Spool
Dimensions	L: As specified W: 0.66" H: 0.63" / L: As specified W: 17mm H: 16mm

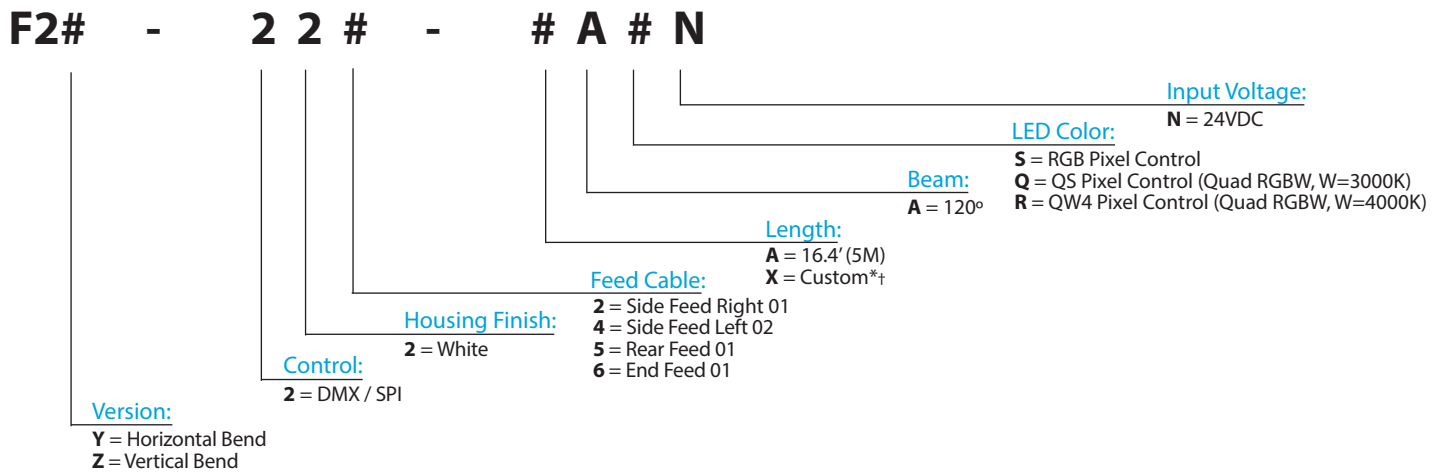
Certifications



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

ORDER CODES

* indicates special order

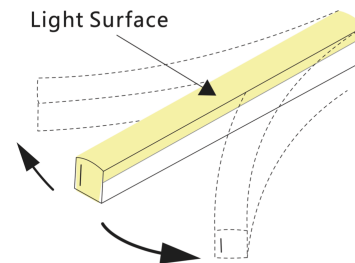


†: When ordering custom lengths, please specify number of 3.28" (83.34mm) sections required after X (6.56" / 166.6mm Min, 16.4' 5m Max).
Example order code: **F2Z-225-X40AQN = 83.34mm x 40 / 3.33m section**

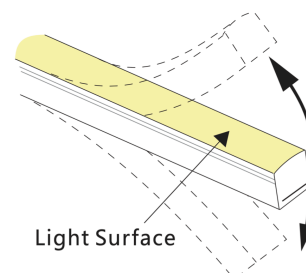
FEED CABLE LOCATIONS



HORIZONTAL BEND



VERTICAL BEND

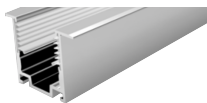


RELATED COMPONENTS

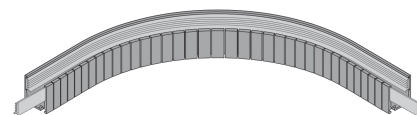
Mounting Accessories



F2CH20
20mm (0.78") Gen 2 mounting channel
Aluminum profile, includes 2 screws



F2RCH20
20mm (0.78") Gen 2 recessed mounting channel
Aluminum profile, includes 2 screws



F2FCH500
0.5m (1.64') Gen 2 flexible mounting channel
Only for HB versions, includes 2 screws

F2CH1000
1m (3.28') Gen 2 mounting channel
Aluminum profile, includes 5 screws

F2RCH1000
1m (3.28') Gen 2 recessed mounting channel
Aluminum profile, includes 5 screws

F2FCH1000
1m (3.28') Gen 2 flexible mounting channel
Only for HB versions, includes 5 screws

F2CH2000
2m (6.56') Gen 2 mounting channel
Aluminum profile, includes 10 screws

F2RCH2000
2m (6.56') Gen 2 recessed mounting channel
Aluminum profile, includes 10 screws

Drivers (AC+ARTNET)



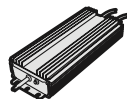
PIX400
Pixel Driver 400
100-277VAC Input, Artnet input, SPI output
Controls and powers up to two 5m (16.4') sections **or**
up to four 4.2m (13.7') sections

Drivers (DC+DMX)



PIX001
Pixel Driver 1
12-24VDC Input, DMX input, SPI output
Controls up to one 5m (16.4') section of Flex Tube Pixel
Must be used with 24V power supply

Power Supplies (DC)



APS-300-24-IP
100-277VAC Input, 24VDC Output
Powers up to two 5m (16.4') sections of Flex Tube Pixel
Must be used with Pixel Driver 1

RELATED COMPONENTS

Multiple Zone Controller



LPC

Flexible, multi-location lighting control
5,120 to 51,200 control channels
Program and pixel map via PC or Mac

Single Zone Controller



VLC

Video control for a single array / screen
25,600 to 768,000 control channels
HD video via local media files or DVI-D input

Wall mount trigger panels



TPS

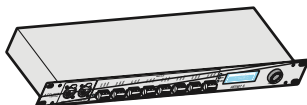
Customizable wall mount touch screen
POE power, IR remote compatible
Configure using Pharos Designer software
Multiple faceplate color options



BPS

8 button wall station for Pharos units
LED indicator on each button
POE power, IR remote compatible
Multiple faceplate color options

Artnet / sACN to DMX Converter



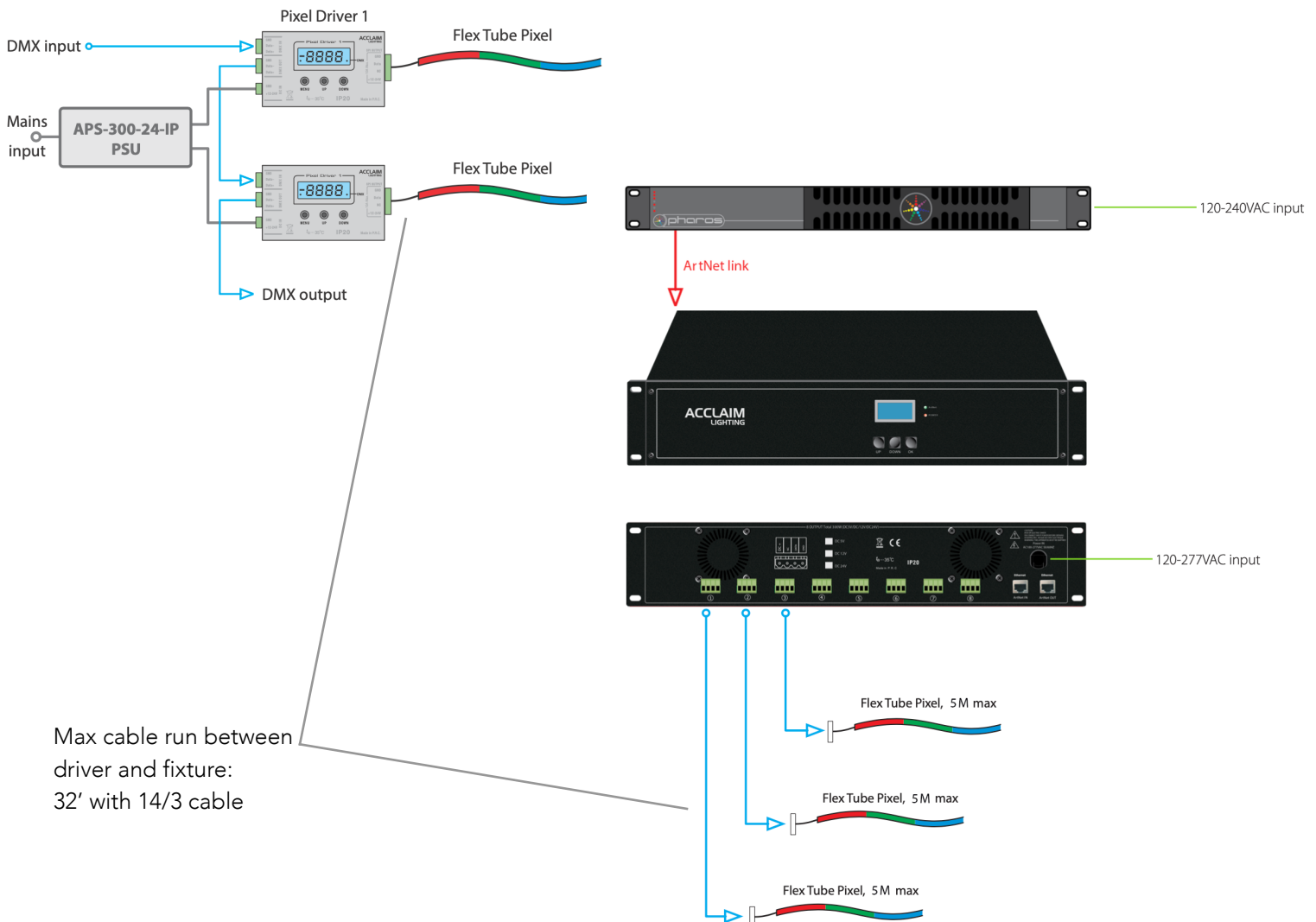
ARTNET 8

8 Universe ArtNet and sACN to DMX converter
100 - 240VAC input

PHOTOMETRICS

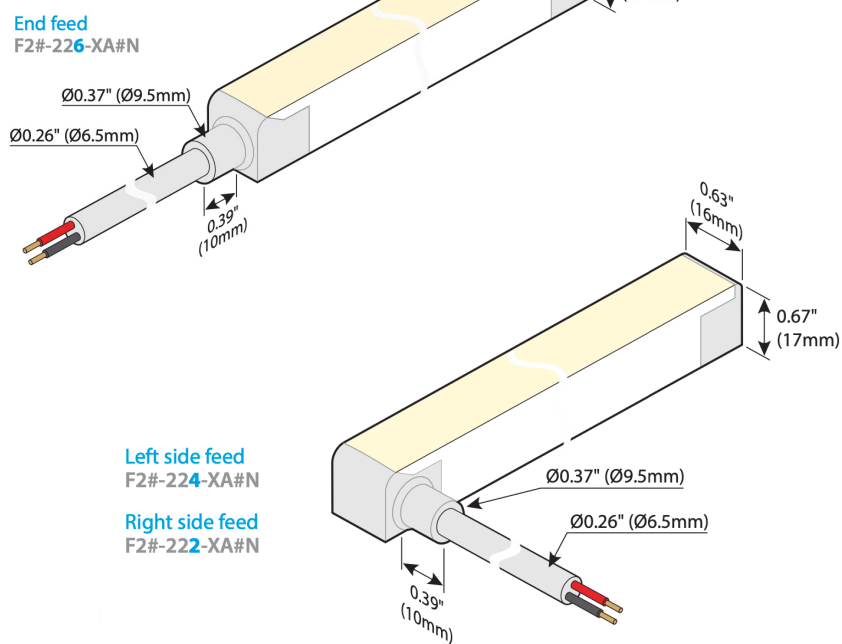
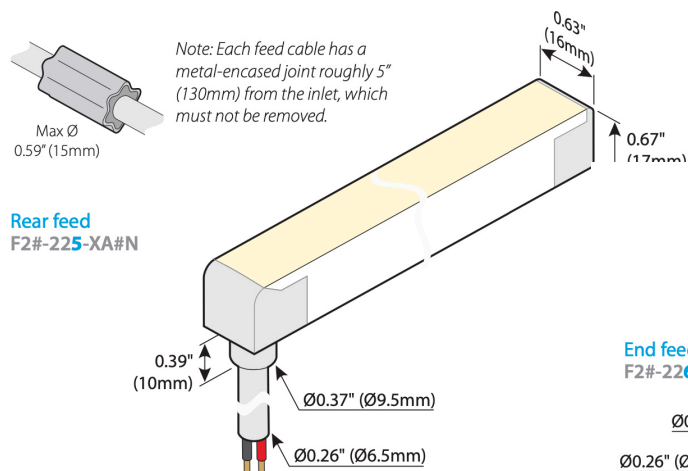
Bend / Color	Lumens (per foot)	Max Candela	CRI (white)	TM30 (white)
HB QS	206	65.5	82.1	83.5
VB QS	255	81.8	82	83.3
HB QW4	234	75.2	83.8	83.7
VB QW4	287	93.2	83.9	83.9

WIRING

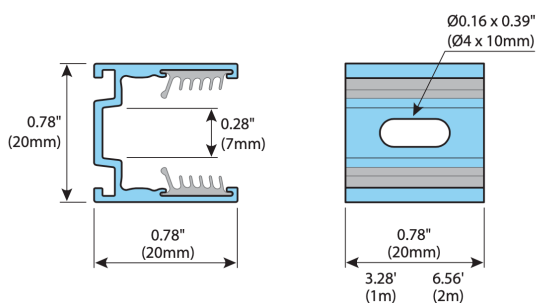


WIRE CABLE LIMIT

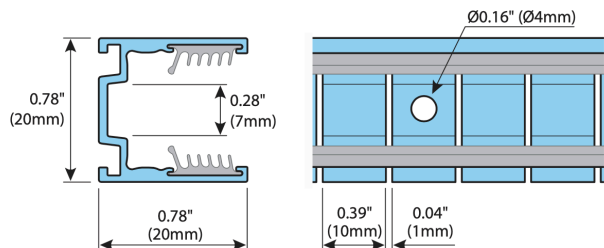
DIMENSIONS



Flex Tube Gen 2



Flex Tube Gen 2 Flexible



Note: The 0.16" (4mm) mounting holes are spaced at 4.57" (116mm) - on every tenth segment.

Flex Tube Gen 2 Recessed

