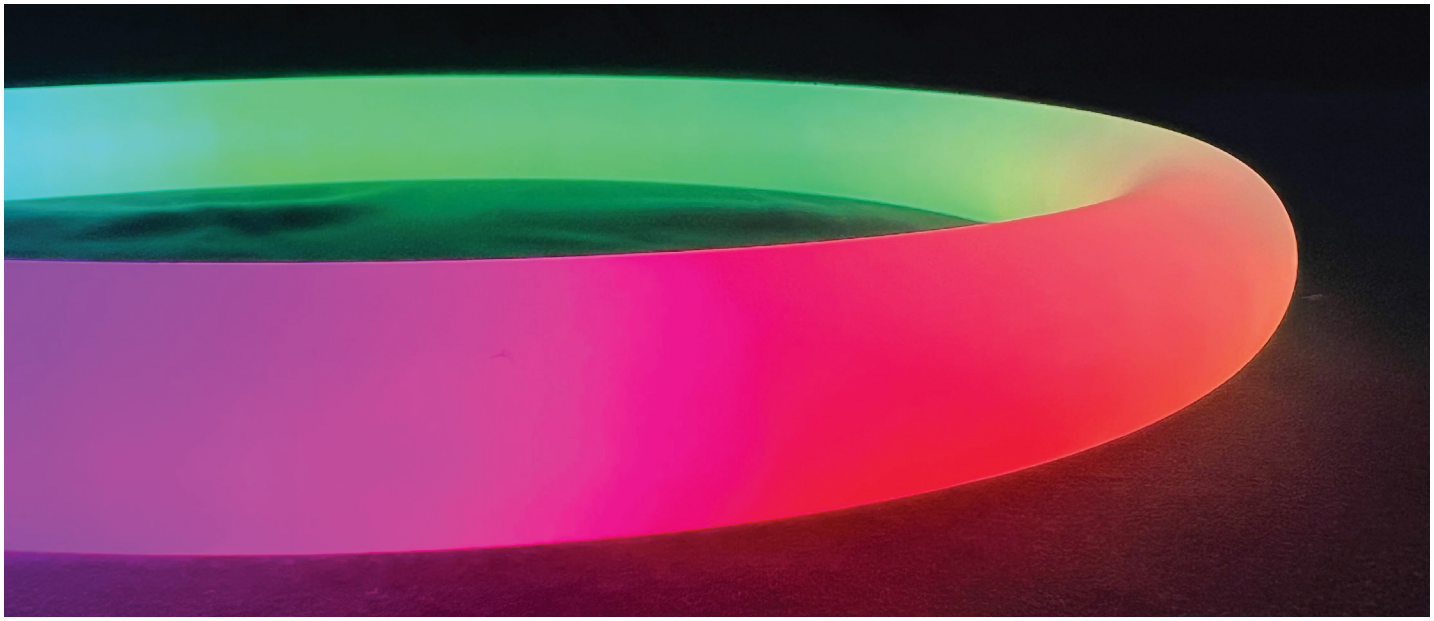
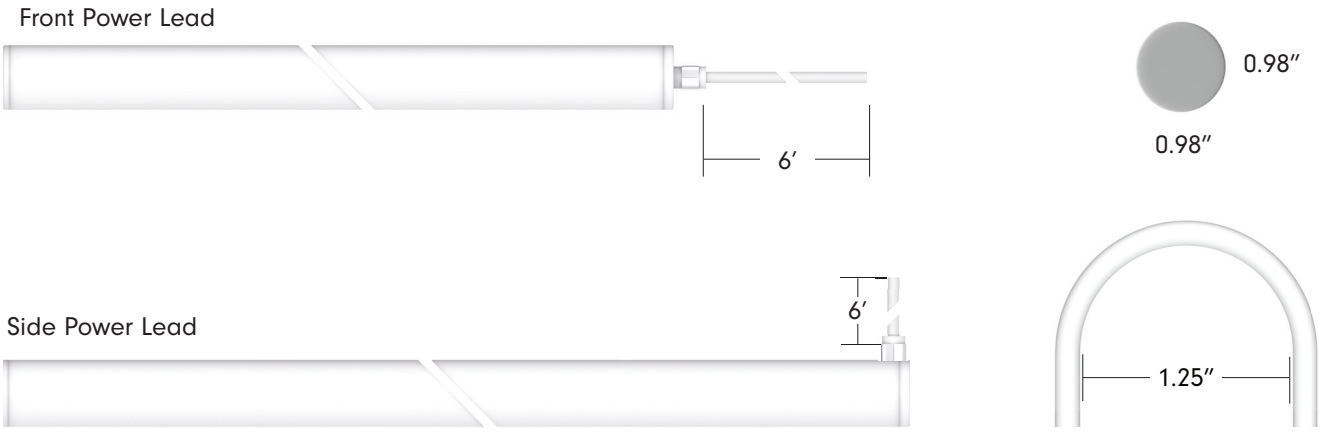
Flexile LG



Project: _____ Type: _____

- Tivoli's Flexile has a new look! Flexile Daylight all white jacket with pixel control
- Compare to traditional neon 360° lighted surface illuminates uniformly without any shadowing
- High luminous efficiency with LM80 report
- Easily bend to any shape with superior flexibility
- UV Stabilized with food-grade environmental silicone housing (no yellowing or cracking)
- Resistance to saline solutions, acids, alkali, and corrosive gases
- Low Voltage 12V DC

Dimensions



NOTE: Total run length including power lead and fixture must not exceed 19′

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Order Guide

PRODUCT CODE		PROFILE		POWER LEAD DIRECTION		LED COLOR		LENGTH		VOLTAGE
FLXD	-	**LG**	-		-	**RGB**	-		-	**12**
FLXD = Flexile Daylight 360° Light		**LG** = Large		**F** = Front **S** = Side		**RGB** = RGB mixing		**024** = 2′ **048** = 4′ **075** = 6′ 3″		**12** = 12V DC

For custom cut lengths consult factory for lead time and MOQ

Extra Lead Prep

FLX-XEP
Extra lead wire for extended length.
Sold per ft.

Specification

LED Intensity	Red	Green	Blue	White (All On)
Lumens (lm/ft)	46	83	16	145
Beam Angle	360°			
Electrical				
Dimming/Control	SPI			
Input Voltage	12V DC			
IC	WS2815			
Power Consumption (W/ft)	7.2			
Maximum Run Electrical	8′			
Maximum Run Data (1 Universe)	6′ 3″			
Physical				
LED Package	3838			
LED/ft	27			
Sleeve Color	White			
Dimensions (DIA) Flexile	0.98″			
Cut Increments (factory cut only)	0.437″			
Bend Radius	1.25″			
Material (Flexile)	Flame, UV, Solvent, Saltwater Resistant Silicone			
Storage Temperature	-25°C / -13°F ~ +60°C / +140°F			
Working Temperature	-20°C / -4°F ~ 50°C / +122°F			
Certification and Testing				
Certification	cULus, CE, RoHS			
Environment	Damp/Wet rated fixture only			
IP Rating	IP65 rated fixture only			
Rated Hours (TM80)	70000 hrs.			
Warranty	5 Years			

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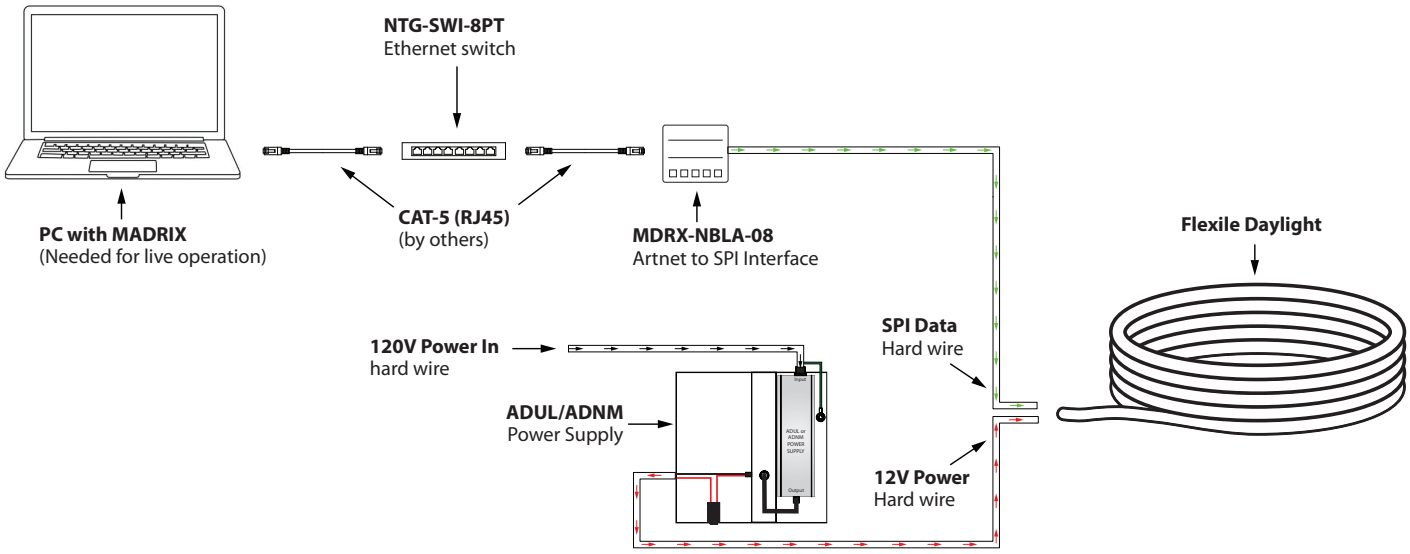
Data Operation & Wiring Diagram Artnet to SPI ON-LINE operation

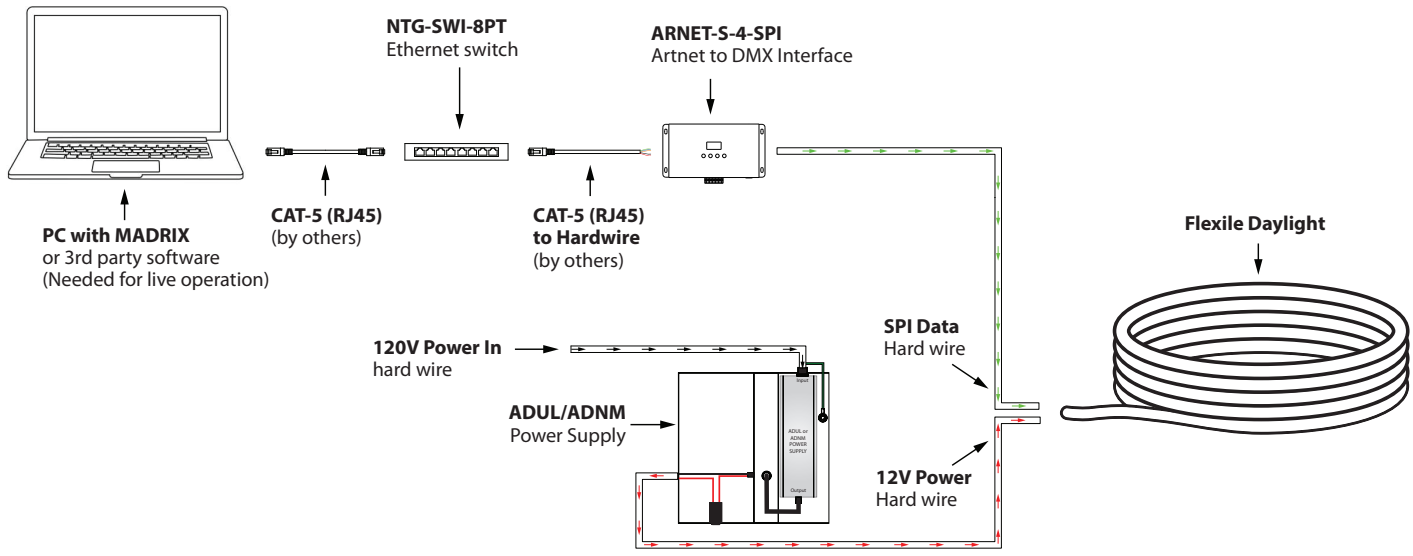
MDRX-NBLA (Live)

This is a live control performance setup using the MDRX-NBLA-XX interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Flexile Midnight.



ARTNET-S (Live)

This is a live control performance setup using the ARTNET-S-X-SPI interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Flexile Midnight.



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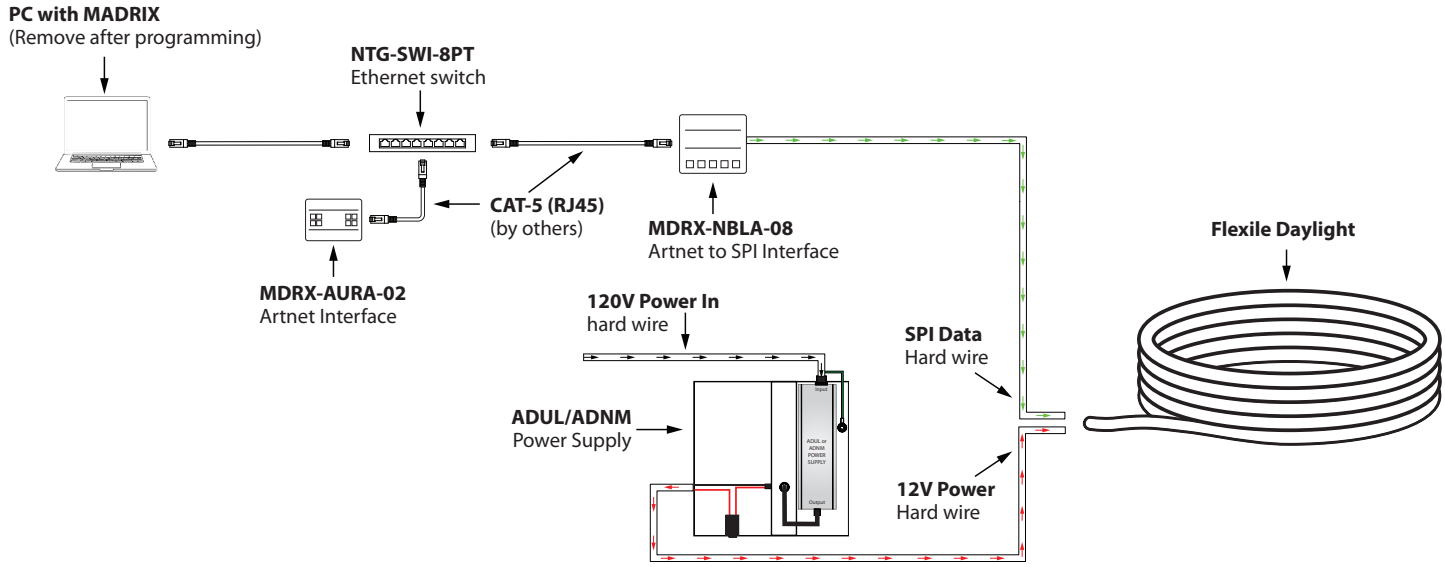
Data Operation & Wiring Diagram Artnet to SPI OFF-LINE operation

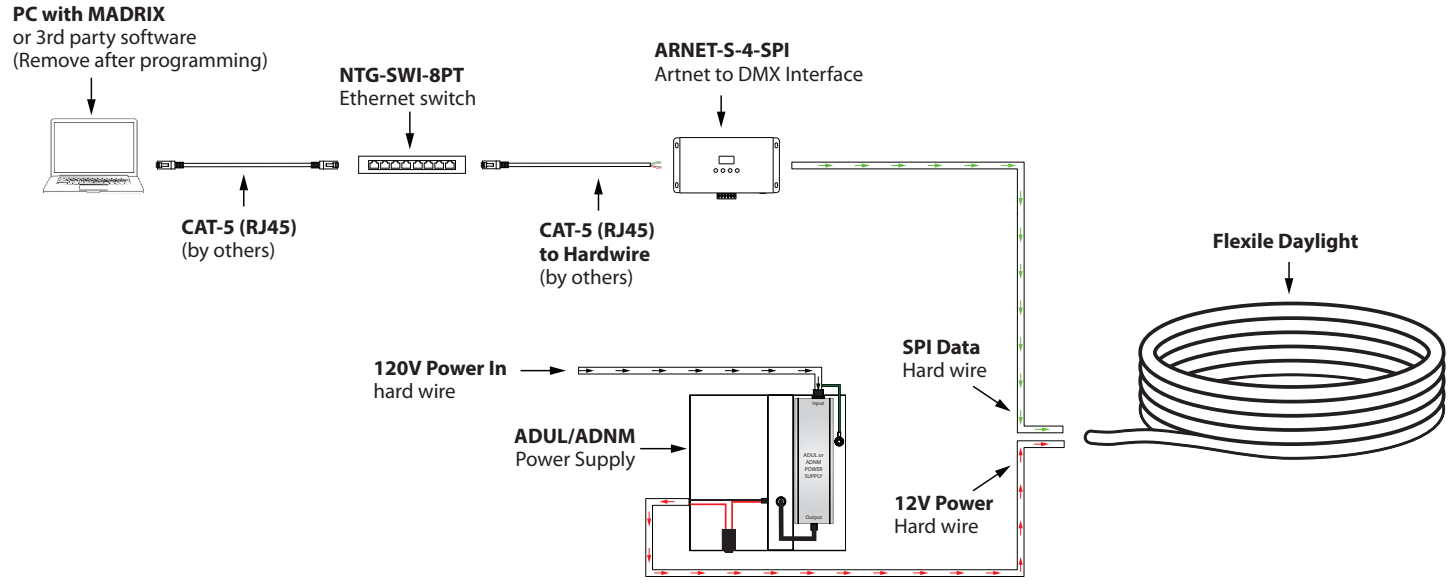
MDRX-AURA (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to AURA hardware via lighting software, PC/network can be removed form the system using only the AURA hardware to control playback. Please refer to the AURA specification for setup/record information.



ARTNET-S (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to ARTNET-S hardware via lighting software, PC/network can be removed form the system using only the ARTNET-S hardware to control playback. Please refer to the ARTNET-S specification for setup/record information.



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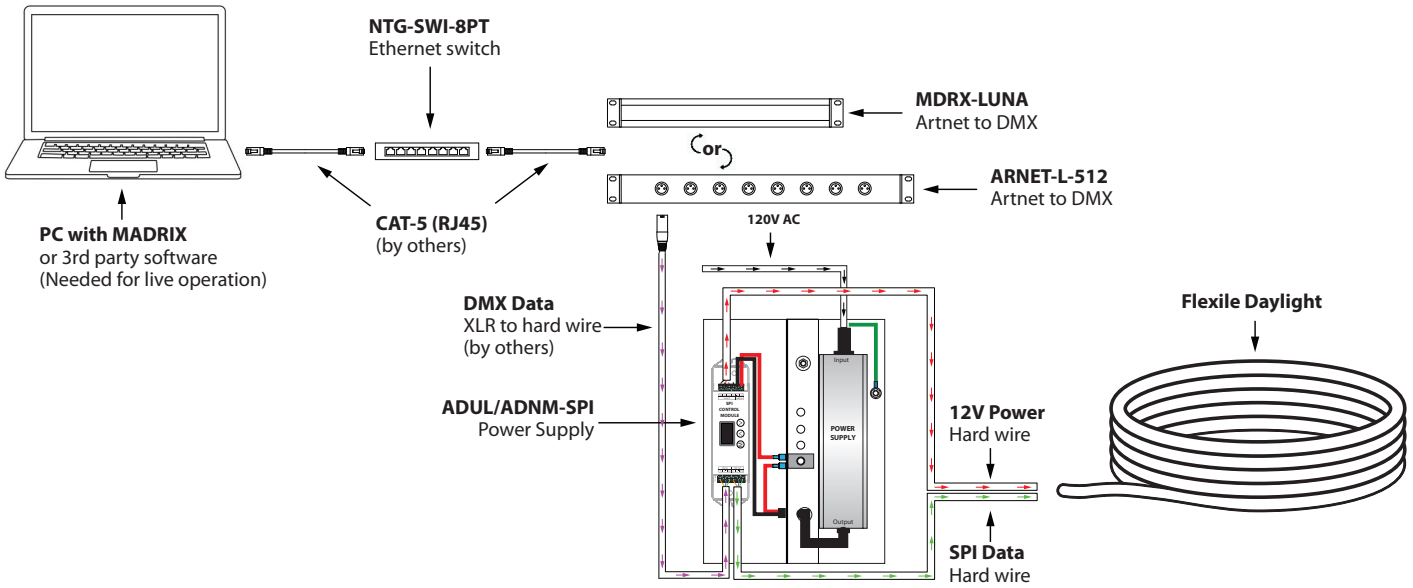
Data Operation & Wiring Diagram DMX to SPI ON-LINE operation

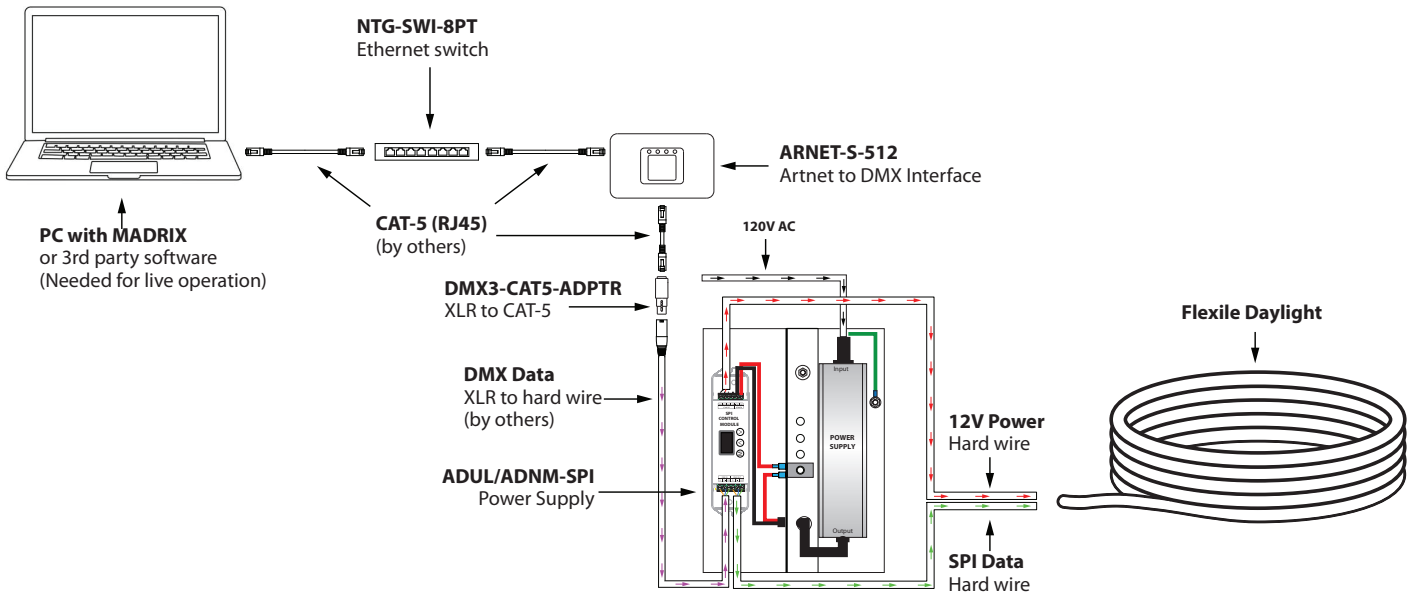
MDRX-LUNA or ARTNET-L (Live)

This is a live control performance setup using the MDRX-LUNA-XX or ARTNET-L-XX-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Flexile Midnight.



ARTNET-S (Live)

This is a live control performance setup using the ARTNET-S-X-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Flexile Midnight.



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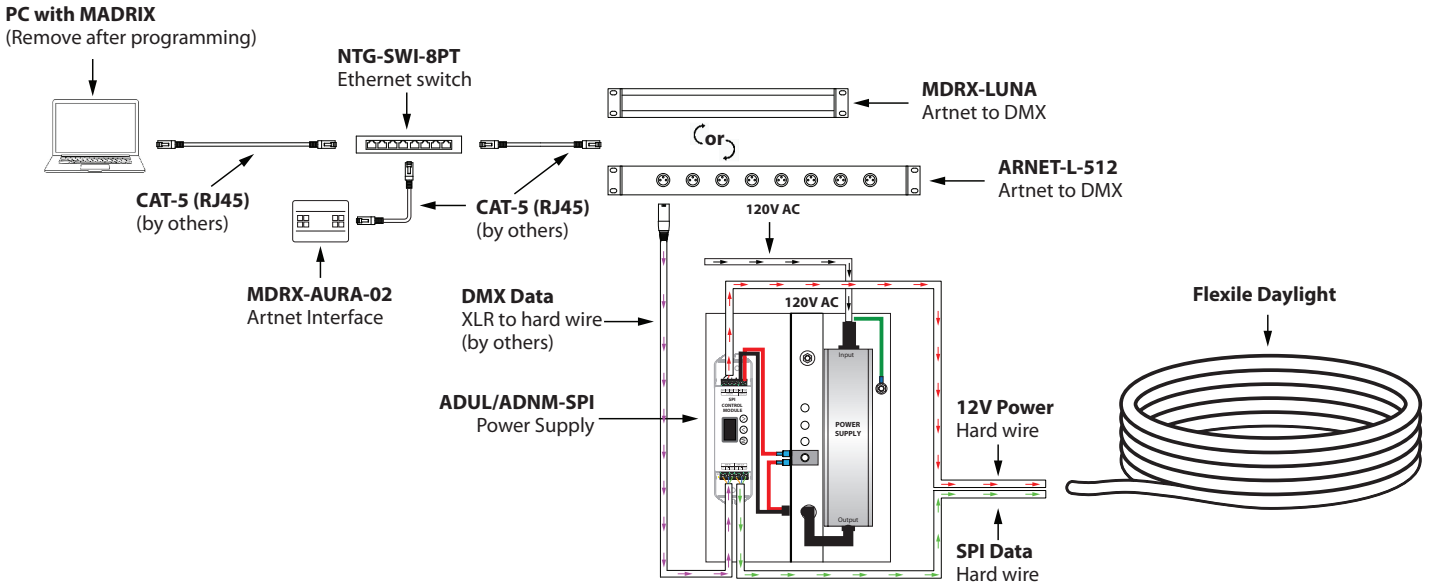
Data Operation & Wiring Diagram DMX to SPI OFF-LINE operation

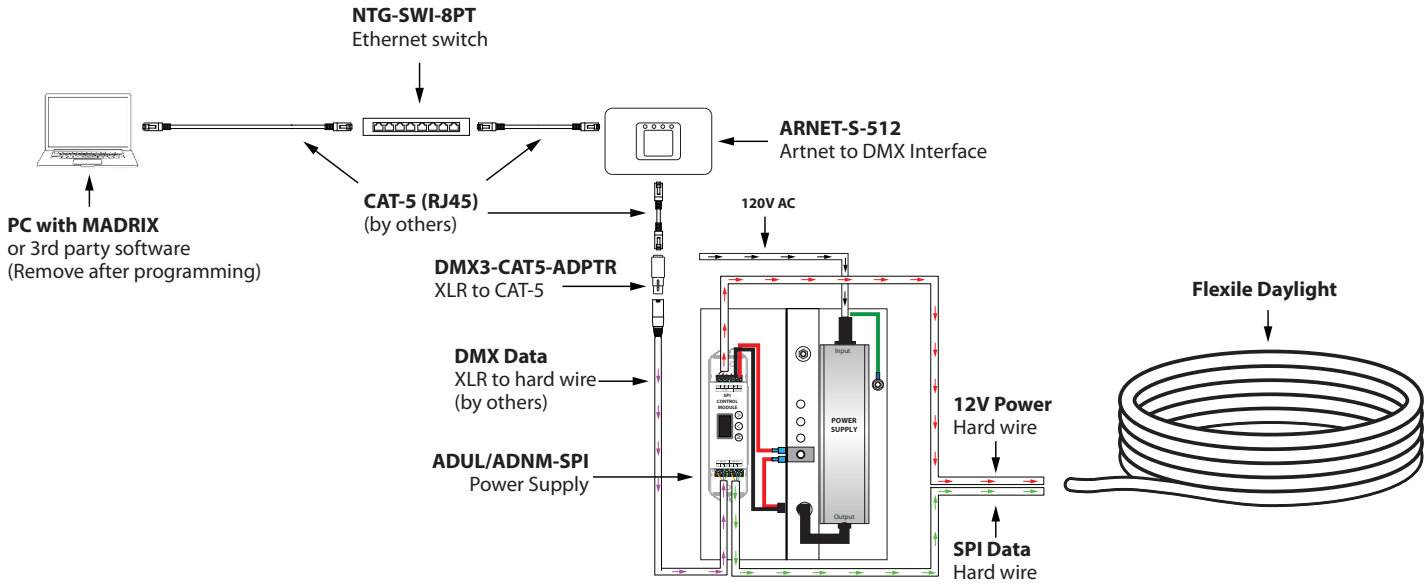
MDRX-LUNA or ARTNET-L (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to AURA hardware via lighting software, PC/network can be removed form the system using only the AURA to control playback. Integrate with MDRX-LUNA or ARTNET-L for DMX system. Please refer to the AURA, MDRX-LUNA or ARTNET-L-512 specification for setup and record information.



ARTNET-S (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to ARTNET-S-X-512 hardware via lighting software, PC/network can be removed form the system using only the ARTNET-S-X-512 to control playback. Please refer to the ARTNET-S-512 specification for setup and record information.



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Controls

ARTNET-S-8-512
8 port universe Artnet to DMX interface, 4096 DMX channels
Programmable for playback and
live support
(Online or Offline option)

MDRX-AURA-XX
X = **02, 12, 32** (ports)
MADRIX Aura is a stand-alone controller for up to 2, 12, or 32 universes per unit

MDRX-NBLA-08
Up to 8 universes. SPI decoder receives control over ethernet network or USB delivering zero lag to your fixture

ARTNET-S-X-SPI
X = **4** (4 port), **8** (8 port)
Artnet to SPI interface.
Programmable for playback and live support
(Online or Offline option)

Network Hardware

MDRX-LUNA-XX
XX = 04, 08, 16 (ports)
MADRIX Luna 4, 8, 16 port universe Artnet to DMX interface 16 port 8192, 8 port 4096, 4 port 2048 DMX channels

ARTNET-L-XX-512
XX = 8, 16 (ports)
8 or 16 port universe Artnet to DMX interface,
16 port 8192 DMX channels
8 port 4096 DMX channels

NTG-SWI-XXPT
XX = **8** (8 Port), **16** (16 Port)
NETGEAR 16-Port gigabit Unmanaged Switch

DMX3-F-CAT5-ADPTR
DMX adapter
3-pin XLR female to RJ45

Key & Software Levels

PRODUCT CODE		CONTROL		5 KEY & SOFTWARE LEVEL
MDRX	-	LC	-	
MDRX = MADRIX		LC = Lighting Control		5S = Start Level 5E = Entry Level 5B = Basic Level 5P = Professional Level 5U = Ultimate Level 5M = Maximum Level

MADRIX KEY

A USB dongle unlocks the software's full output. You can freely switch between different PCs as it is not bound to a specific one. It only needs to be activated online once.

MADRIX 5 LICENSE UPGRADES

You can easily upgrade your MADRIX 5 KEY to any higher license at any time, increasing the available output.

Level	START	ENTRY	BASIC	PROFESSIONAL	ULTIMATE	MAXIMUM
MADRIX 5 Order Code	MDRX-LC-5S	MDRX-LC-5E	MDRX-LC-5B	MDRX-LC-5P	MDRX-LC-5U	MDRX-LC-5M
DMX-Based Output						
DMX Channels	1,024	4,096	16,384	65,536	262,144	1,048,576
DMX Universe Example	2	8	32	128	512	2,048
RGB Voxels Example	341	1,365	5,461	21,845	87,381	349,525
DVI-Based Output						
DVI Voxels	4,096	16,384	262,144	1,048,576	2,097,152	2,097,152
Render Resolution (Pixel x Pixel)	64 x 64	128 x 128	512 x 512	1,024 x 1,024	2,048 x 1,024	2,048 x 1,024

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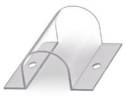
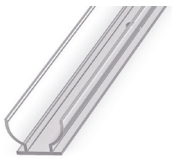
Mounting Options



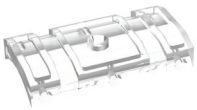
FLX-LG-CL-CLIP
PC clip closed 1
Mount spacing 15″
Bend diameter 2.5″
sold each

FLX-LG-CL-CHAN
PC channel closed 6.5
Bend diameter 2.5‴
sold each

FLX-LG-OP-CLIP
PC clip open 2.36″
Mounting spacing 15″
Bend diameter 3″
*sold each



FLX-LG-OP-CHAN
PC channel open 6.5′
Bend diameter 3″
*sold each



FLX-LG-MTBK-LP
Clear low-profile polycarbonate surface mounting bracket
Includes: (2) brackets, (14) nails, and (5) zip ties

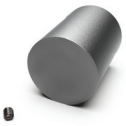
FLX-LG-MTBK-SEMICIRCLE
Natural aluminum metal surface mounting bracket
Includes: (2) bracket sets, (2) set screws and hardware

FLX-LG-JOINR-CIR
Natural aluminum metal joiner
Includes: (1) bracket and hardware

FLX-LG-CL-JOINR
Clear polycarbonate joiner
Includes (1) bracket and hardware

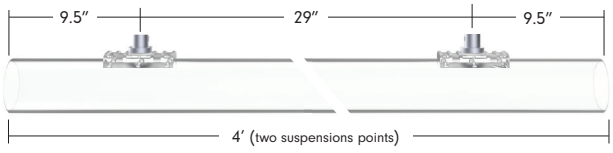
FLX-LG-TEL-MTBK-1
Telescoping arm extends 13″ - 24″. Recommended on-center spacing of 12″ for each bracket.

FLX-LG-SUS-MTBK-1
72″ suspension cable with mounting hardware. Includes a 1.5″ clear polycarbonate tube. Recomended spacing is 12″ apart.

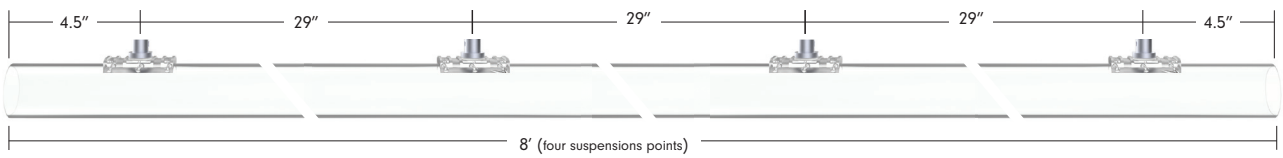


FLX-LG-EC
Metal End Cap
Natural aluminum finish
sold each

FLX-LG-H-X-PNDT
X = 4 (46″), 8 (96‴)
Horizontal clear polycarbonate tube includes two 72″ cables and hardware for 4′, and four 72″ cables and hardwire for 8′



FLX-LG-H-X-PNDT
X = 4 (46″), 8 (96‴)
Anchor point for 4′ and 8′



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Mounting Layout

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Power Supplies Indoor

ADUL - SPI CONTROL

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-60-1-5-12-SPI	Indoor or Damp	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-SPI-2				2	2x60W	2x5A
	ADUL-240-3-5-12-SPI-3				3	3x60W	3x5A
	ADUL-320-4-5-12-SPI-4				4	4x60W	4x5A

ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-D	Outdoor or Indoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-D				2	2x60W	2x5A
	ADUL-240-3-5-12-D				3	3x60W	3x5A
	ADUL-320-4-5-12-D				4	4x60W	4x5A

Power Supplies Outdoor / Indoor

ADNM - SPI CONTROL

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-SPI	Outdoor or Indoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-150-2-5-12-SPI-2				2	2x60W	2x5A
	ADNM-240-3-5-12-SPI-3				3	3x60W	3x5A
	ADNM-320-4-5-12-SPI-4				4	4x60W	4x5A

ADNM - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-D	Outdoor or Indoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-D				1	80W	5A
	ADNM-150-2-5-12-D				2	2x60W	2x5A
	ADNM-240-3-5-12-D				3	3x60W	3x5A
	ADNM-320-4-5-12-D				4	4x60W	4x5A

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