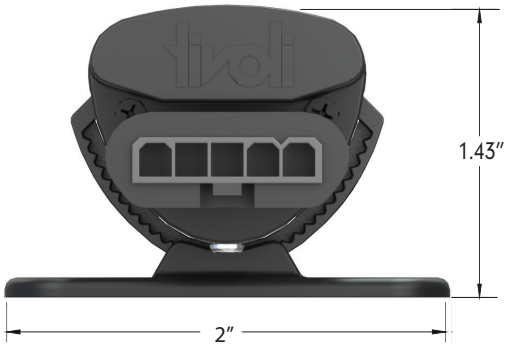
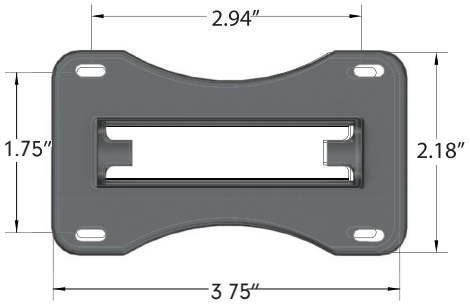
VASTCOVE PALETTE

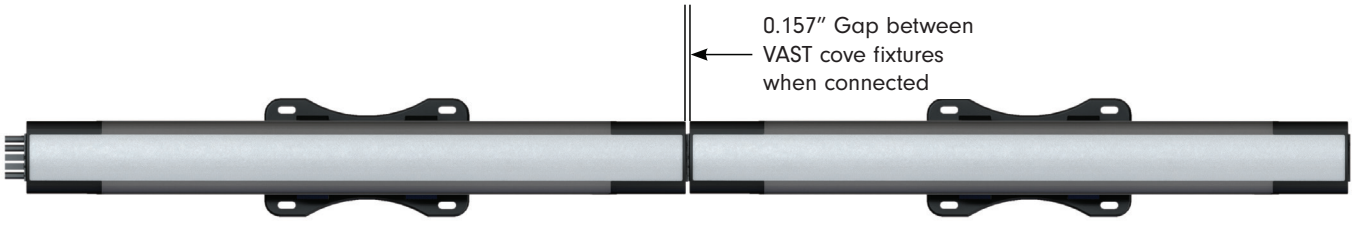
Project: _____ TYPE: _____

- RGB+W Cove light with dedicated white chip ranging from 27K, 30K, 35K, 40K, 53K to 60K
- DMX with RDM (Remote Device Management) or DMX with Auto Addressable feature
- Self-Ballasted (100-277V AC)
- Up to 450 lumens/ft (CCT dependent)
- Maximum Run up to 120'
- Flexible connectors accommodate curved applications
- Adjustable mounting bracket for desired angle
- For Dry/Damp location
- IP54 Rating
- 5 Year warranty

Dimensions







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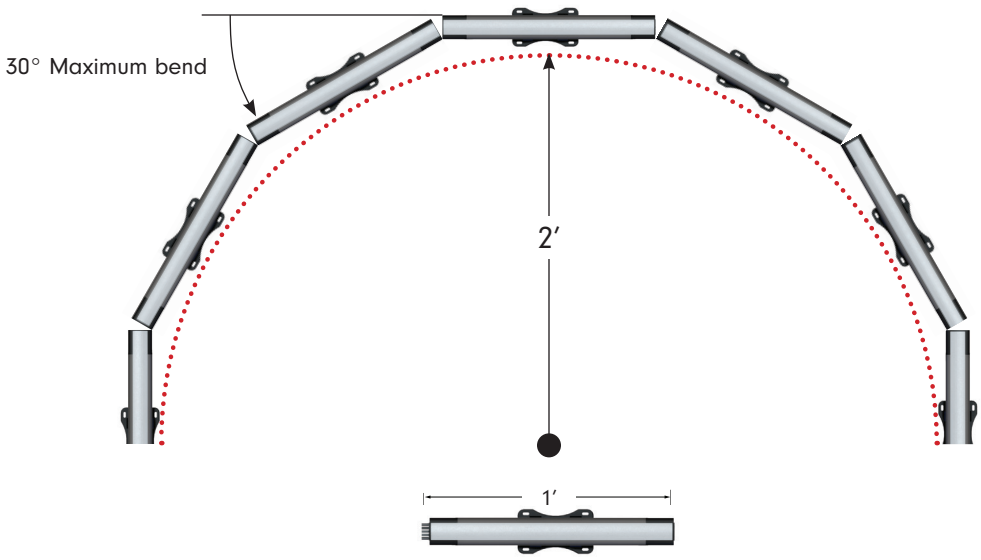
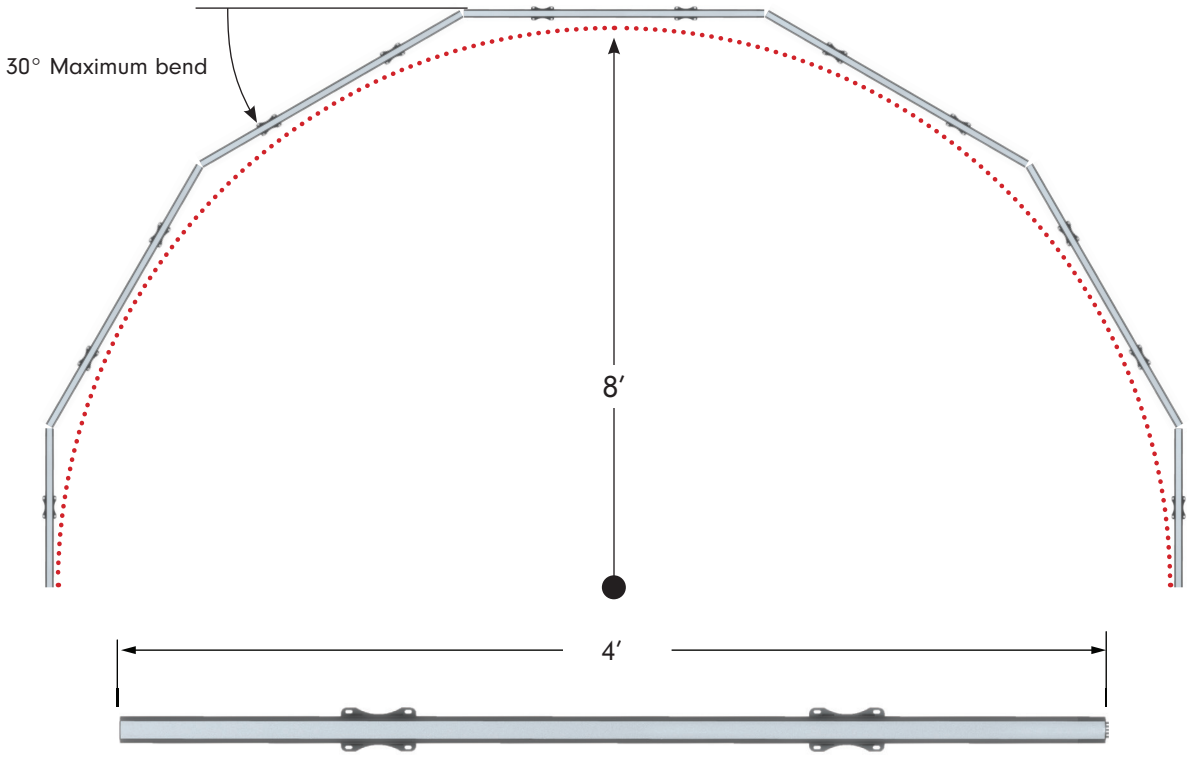
Radius Bend





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Order Specification Guide

PRODUCT CODE		LED TYPE		COLOR		LENS		RGB+W LED COLOR		DIMMING OPTION		LENGTH
VAST	-		-	**SG**	-	**OP**	-		-		-	
VAST = VAST Palette Cove Light		**SB** = Standard Brightness **HO** = High Output		**SG** = Space Gray		**OP** = Opal		**RGB27** = RGB+2700K **RGB30** = RGB+3000K **RGB35** = RGB+3500K **RGB40** = RGB+4000K **RGB53** = RGB+5300K **RGB60** = RGB+6000K		**01** = DMX/RDM **02** = DMX/Auto		**1** = 1′ **4** = 4′

Specifications

Output (Standard) - 1′ Unit					
Color/CCT	3000K	RGB	Red	Blue	Green
Lumens (lm/ft)	450.56	302.42	19.24	4.69	47.13
Efficacy (Lm/W)	70.67	44.78	9.27	2.10	20.91
Measured Power (W/ft)	CF	CF	CF	CF	CF
Listed Power (W/unit)	6				
Maximum Electrical Run	120′				

Output (Standard) - 4′ Unit					
Color/CCT	3000K	RGB	Red	Blue	Green
Lumens (lm/ft)	1864.75	1264.34	90.63	30.95	217.96
Efficacy (Lm/W)	79.28	50.13	17.02	5.17	36.29
Measured Power (W/ft)	CF	CF	CF	CF	CF
Listed Power (W/unit)	24				
Maximum Electrical Run	120′				

Output (High Output) - 1′ Unit					
Color/CCT	3000K	RGB	Red	Blue	Green
Lumens (lm/ft)	1066	254	70.6	39.2	172
Efficacy (Lm/W)	88.83	21.17	5.88	3.27	14.33
Measured Power (W/ft)	CF	CF	CF	CF	CF
Listed Power (W/unit)	12				
Maximum Electrical Run	60′				

Output (High Output) - 4′ Unit					
Color/CCT	3000K	RGB	Red	Blue	Green
Lumens (lm/ft)	1066	254	71	39	172
Efficacy (Lm/W)	75	33	25	14	61
Measured Power (W/ft)	CF	CF	CF	CF	CF
Listed Power (W/unit)	48				
Maximum Electrical Run	60′				

Electrical	
Control	DMX5 512 (Resoultion: 1 pixel/unit), RDM (Programable Resultion: 1 pixel/6″, 12″, 24″, 48″)
Dimming Range	DMX down to 1%
Input Voltage	100-277V AC 50/60Hz
Physical	
Mounting	Surface Mount with adjustable clip
Operating Temperature	-4°F~149°F (-20°C~65°C)
Storage Temperature	-13°F~158°F (-25°C~70°C)
Certification and Testing	
Certification	cULus, CE, RoHS
Rated Life	>60,000 hrs. @ 25°C
Environment	Dry/Damp Location
IP Rating	IP54

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Accessories

VAST-T-CONN-CATBW
T Connector with CAT 5/6 connection to Bare Wire power lead

VAST-T-CONN-SIG
T Connector 6' Power Cable and 6' 0-10V Signal Cable

JUMPER-XLR3P-X
Jumper Cable 3-PIN XLR
X = **5**, **10**, **25** (lengths in ft)

VAST-JUMPER-5P-XX
XX = **0.5** (6"), **1** (1'), **5** (5'), **10 (10')**
5-Pin Jumper

VAST-T-CONN-XLR-3
T Connector for DMX XLR connection to controller

VAST-BAFL-1
Black Asymmetrical baffle
1' length

VAST-BAFL-3
Honeycomb baffle
1' length

VAST-TERM-EC
DMX Termination End Cap

VAST-CHAN-BLK-6.5
Vast straight channel silver 6.5' length

VAST-JBOX-X-BLK
X = **P** (Power Connect)**, E** (0-10V)**, D** (DMX)
Junction box for VAST fixture

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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

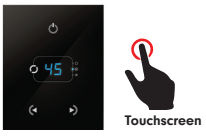
MADRIX KEY
A USB dongle unlocks the software's full output. You can freely switch between different PCs as it is not bound to a specific one. It only needs to be activated online once.

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

DMX Controls

TVOQ-10-XX-7
XX = **BK** (black), **WH** (white)
1024 DMX channel, 500 scene, 10 zone, glass touch screen



TVOQ-2-BK
Black
512 DMX channel, 99 scene

TVOQ-1-WH
16 DMX channel, 16 scene, 4 zone, glass touch screen

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

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Network Hardware

ARTNET-L-X-512
X = **8, 16** (ports)
8 or 16 Port universe Artnet to DMX interface
16 Port 8192 DMX channels
8 Port 4096 DMX channels
(Online only)

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

DMX5-X-CAT5-ADPTR
X = **M** (Male), **F** (Female)
DMX Adapter
5-pin XLR to RJ45

DMX3-X-CAT5-ADPTR
X = **M** (Male), **F** (Female)
DMX Adapter
3-pin XLR to RJ45

Note: If the number of DMX fixtures exceed 32 units, a DMX Splitter is required. A DMX splitter mainly splits and duplicates an incoming DMX signal into several DMX output signals. Each output signal is basically the same. At the same time, the DMX splitter amplifies the signal to ensure the signal strength.

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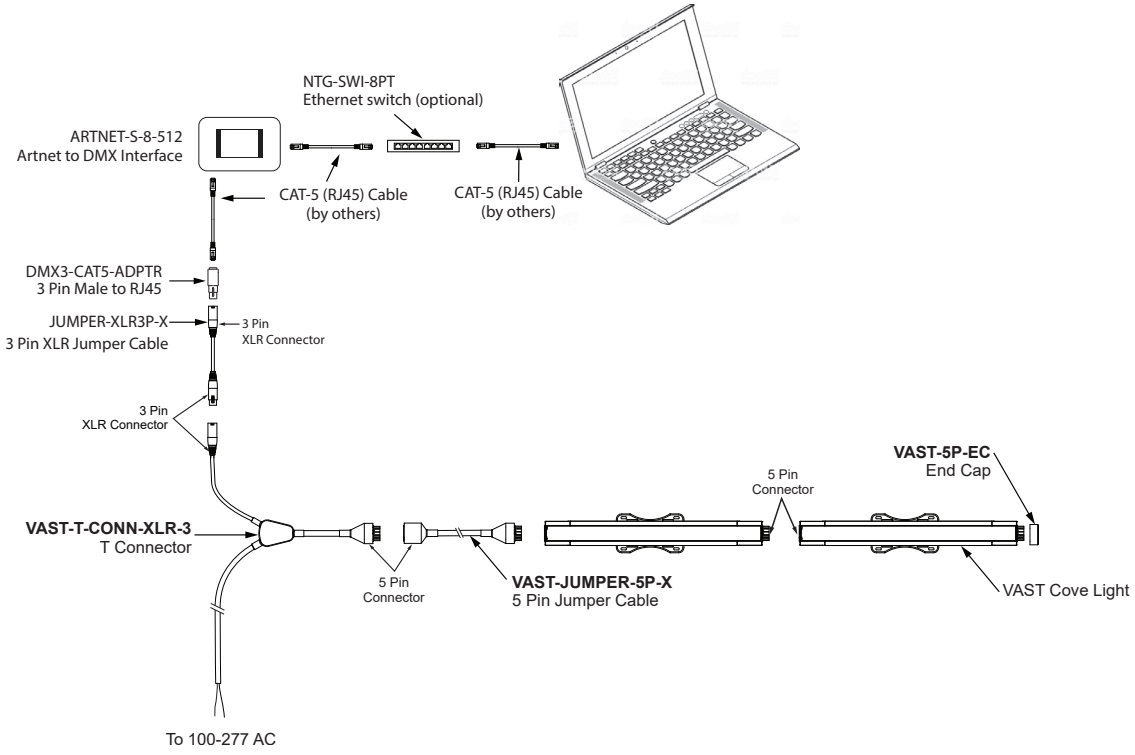
Wiring Diagram - Offline

ARNET-S (Stand Alone)

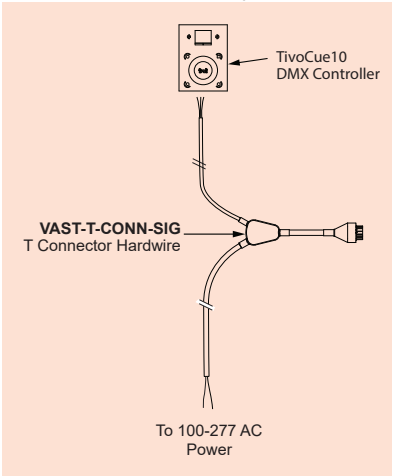
Programmed via MADRIX software and recorded directly to an ARTNET-S interface for media applications and performance. This is a stand-alone feature with no need for network support by software (MADRIX) once recorded to the interface (ARNET-S). Please refer to ARTNET-S-8-512 User Manual for additional information.

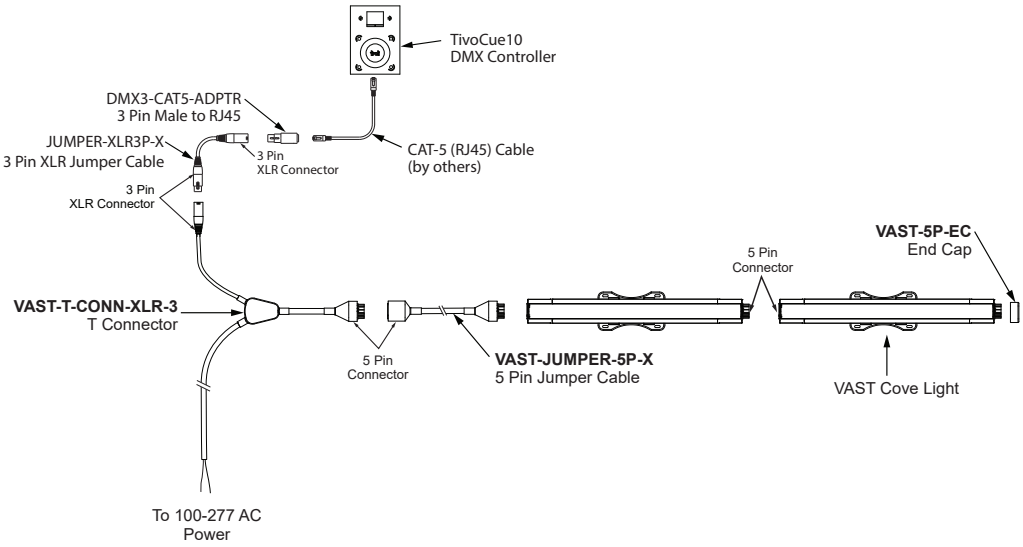


TivoCUE (Stand Alone)

Programmed via CUE software and recorded to a MicroSD card for data transfer into TivoCUE control. This is a stand-alone feature with no need for network support by software (CUE PRO) once recorded and transfered to in-wall DMX control hardware (TivoCUE). Please refer to TivoCue 10 User Manual for additional information.

Hardwire Connection Option





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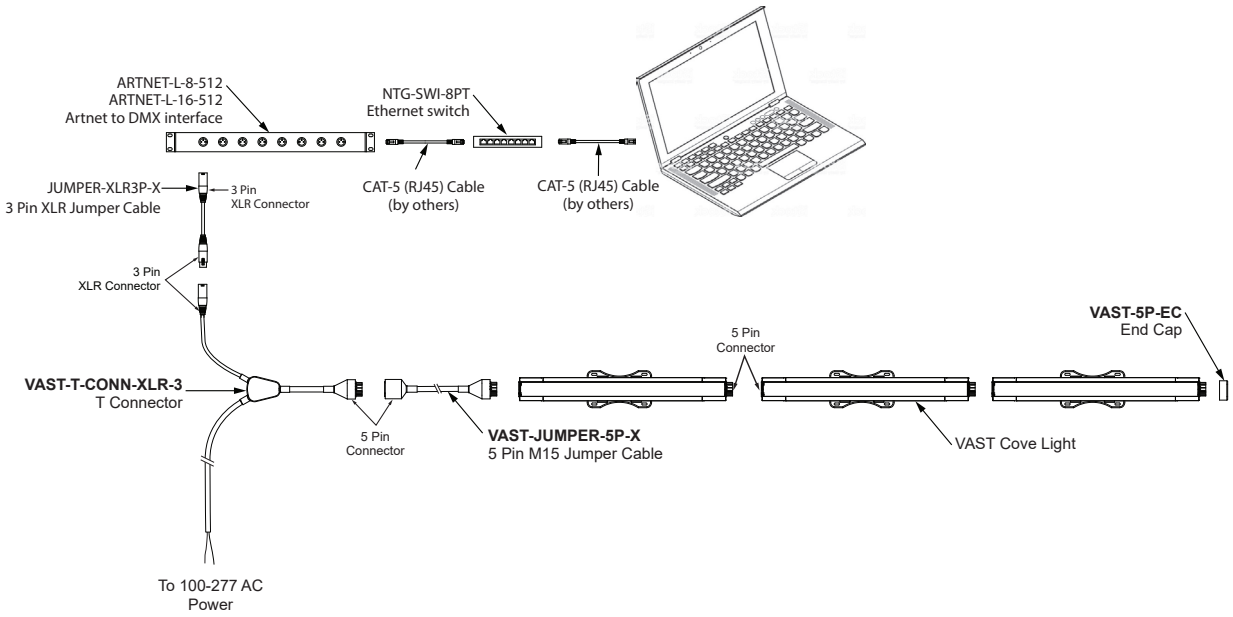
Wiring Diagram - Online

LIVE CONFIGURATION

This is a live control performance setup. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX software and fixture.



Tivoli Commissioning Service

Tivoli's DMX Commissioning service involves the setup and configuration of our DMX lighting and control system, ensuring the seamless integration of our lighting fixtures with the specified DMX Control system ordered.

For more information about commission service, contact:
sales@tivoliusa.com
714-957-6101 (Engineering Tech Support)

Tivocue Wall Controllers (Default Scenes: White, Red,Green, Blue, Light Blue, Purple, Pink, Dim White, Yellow, Cool Cycle, Warm Cycle, All Cycle, Rainbow Scroll, Blackout)	
TVOQ-REM-COMM-1	Remote DMX commissioning for TIVOCUE 2 and 10 dmx wall controller. Pixel mapping/control is not offered for remote commissioning
TVOQ-ONS-COMM-1	Onsite DMX comissioning for TIVOCUE 2 and 10 dmx wall controller (est. 2 days)
ARTNET-S-8-512 (Default Scenes: White, Red,Green, Blue, Light Blue, Purple, Pink, Dim White, Yellow, Cool Cycle, Warm Cycle, All Cycle, Rainbow Scroll, Blackout)	
ARTNET-S-REM-COMM-8	Remote DMX commissioning for artnet-s recorder up to 8 universes. Pixel mapping/control is not offered for remote commissioning
ARTNET-S-ONS-COMM-8	Onsite DMX commissioning for artnet-s recorder up to 8 universes (est. 3 days)
MADRIX DMX SYSTEM	
DMX-COMM-2U-MDRX	Onsite commissioning for madrix, up to 2 universes (est. 3 days)
DMX-COMM-8U-MDRX	Onsite commissioning for madrix, up to 8 universes (est. 3 days)
DMX-COMM-16U-MDRX	Onsite commissioning for madrix, up to 16 universes (est. 4 days)
DMX-COMM-24U-MDRX	Onsite commissioning for madrix, up to 24 universes (est. 4 days)
DMX-COMM-32U-MDRX	Onsite commissioning for madrix, up to 32 universes (est. 5 days)
32+ UNIVERSE	Contact factory

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