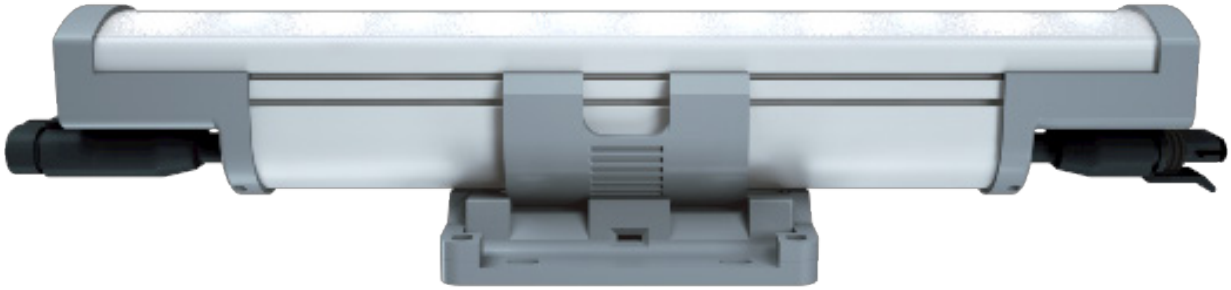
MODA COVE® EXTERIOR DYNAMIC COOL

Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____



Specification Grade Premium Exterior Cove Fixture.

MODA COVE Exterior is a patent pending cove lighting system designed for exterior applications. Utilizing MODA's latest DMX software, our onboard Microprocessor is uniquely programmed in-house with a firmware to receive DMX512 signals for full independent control of every 1ft section. Change the color temperature ranging from 3500k to 6500k and create a variety of moods. With MODA's methods of precision and high standards of work, MODA achieves perfect illumination. Color Rendering Index is at a MODA standard of 90-98. R1 - R15 values are in excess of 90. No striations, no color over angle, and no dark spots. 100-277V, 50/60Hz power input allows these fixtures to be installed anywhere in the world. New patent pending locking bracket rotates 180 degrees for a multitude of light directions. Rugged aluminum design. Protected from corrosion and harsh weather conditions by MODA GUARD – a tough seal which protects the fixture. Fast installation is achieved with MODA KWIK CONNECT plugs and install-integral thumb latch connectors. Available in 1ft & 4ft sections. Series is designed for driver or light engine to be factory replaced at its end of life or recycled.

Designed and developed in Las Vegas, USA by MODA.

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PHYSICAL

Dimensions	L: 12 1/2in (318mm) L: 47 3/8in (1204mm)	W: 2 13/16in (71mm) H: 2 9/16in (65mm)
Weight	12in: 1.3lbs (0.6kg) 48in: 4.9lbs (2.22kg)	
Applications	Cove, Accent, & Indirect General Illumination	
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Polycarbonate Optical Lens	
Ingress Protection	Wet Location IP66	
Thermal Management	Moda Aluminum Heat Sink	
Fixture Connections	Integral Male & Female Connectors	
Operating Temperature	-40°F ~ 122°F (-40°C ~ 50°C)	
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)	
Humidity	0-95% Non Condensing	

SPECIFICATIONS

	Lumens		Efficacy	
	1FT	**4FT**	**1FT**	**4FT**
SO	780	3120	78.00	78.00
HO	1082	4330	108.25	108.25
HO+	1247	4990	124.75	124.75

POWER CONSUMPTION

	120V - 277V AC	
	1FT	**4FT**
SO/HO/HO+	10W	40W

ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Control	DMX512
Power Factor	≥ 0.98

MAX CONTINUOUS RUN

	120V AC	277V AC
SO/HO/HO+	80ft	80ft

OUTPUT

CCT	3500K - 6500K
Beam Angle	120°
CRI	97
SDCM	2 Step MacAdam Ellipse
Color Bin Tolerance	Single Bin
Lumen Maintenance	90,000 Hours L70 @ 25°C 70,000 Hours L70 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

MODA TECHNOLOGY

moda **SOFTWARE™**

moda **HARDWARE™**

moda **DYNAMIC COOL ™**

moda **PHOSPHOR™**

moda **HIGH CRI™**

moda **DMX™**

moda **DRIVER™**

moda **ZERO BIN™**

moda **THERMAL MANAGEMENT™**

moda **GUARD™**

moda **SEAL™**

moda **AIRFLOW™**

moda **COMMUNICATE™**

moda **KWIK CONNECT™**

STANDARDS & CERTIFICATIONS

Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, CCC, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	3 Year Limited Warranty

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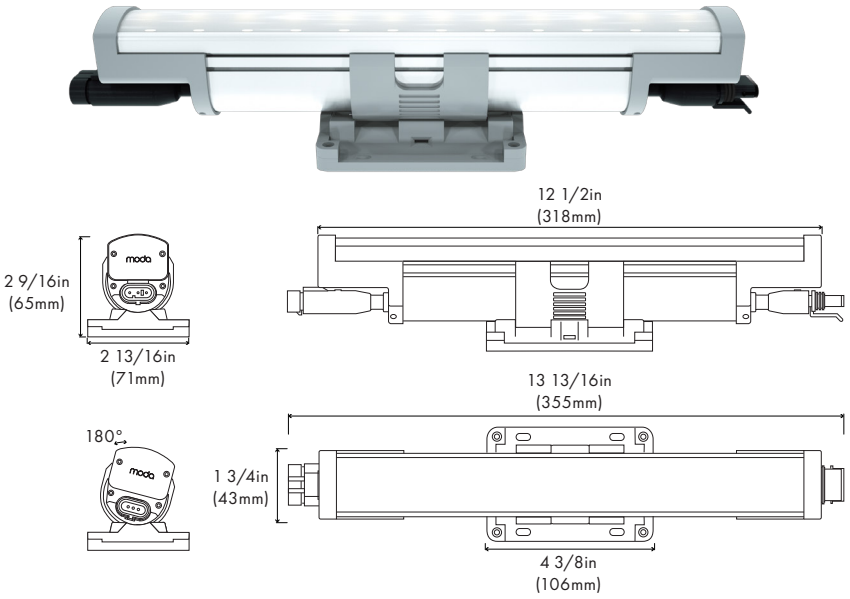


DMX

	Lumens/ft	CRI	Efficacy
SO	672.75 - 780.00	97	67.27 - 78.00
HO	936.39 - 1082.54	97	93.63 - 108.25
HO+	1079.10 - 1247.52	97	107.91 - 124.75

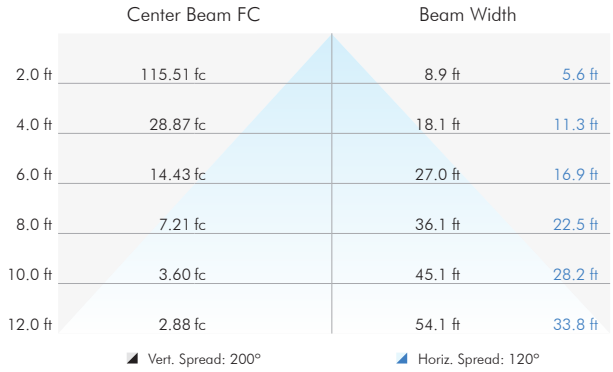
Power Consumption

120-277V AC 10W

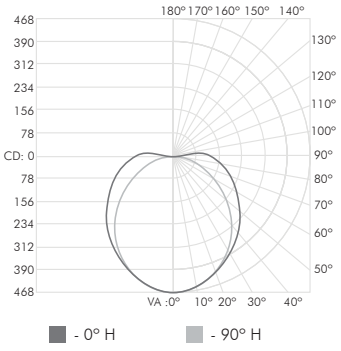
Max Run Lengths

120-277V AC 80ft

Illuminance at a Distance



Polar Candela Distribution



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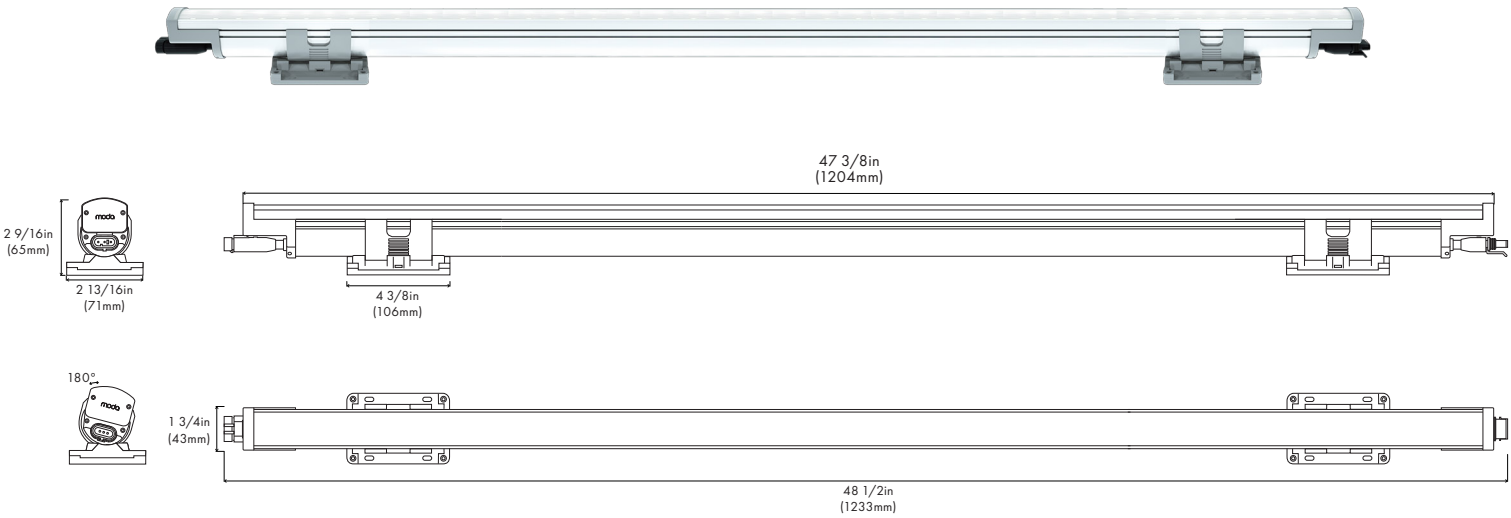


DMX

	Lumens	CRI	Efficacy
SO	2691.00 - 3120.00	97	67.27 - 78.00
HO	3745.56 - 4330.16	97	93.63 - 108.25
HO+	4316.40 - 4990.08	97	107.91 - 124.75

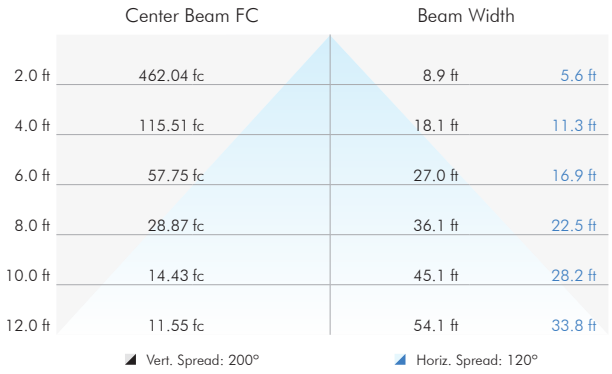
Power Consumption

120-277V AC 40W

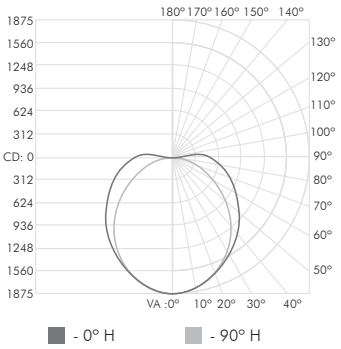
Max Run Lengths

120-277V AC 80ft

Illuminance at a Distance



Polar Candela Distribution



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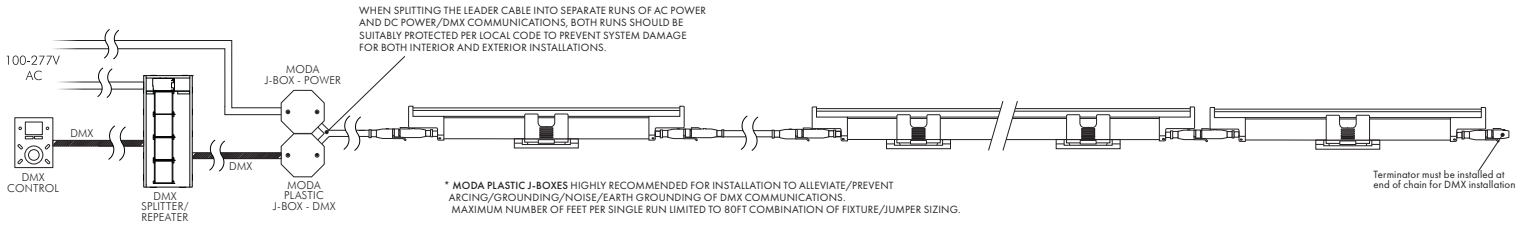
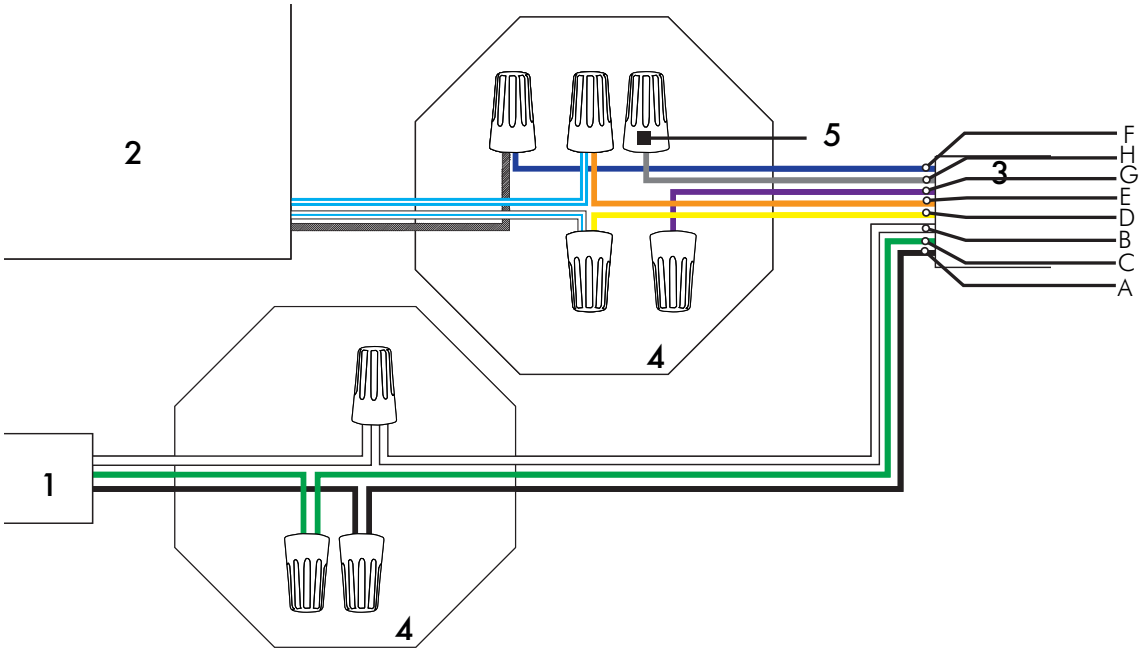
DMX WIRING





Wiring Legend

1	Power 100-277V AC
2	DMX Splitter/Repeater
3	8 Pin Leader Cable
4	Junction Box
5	Wiring Nuts

Shielded RS-485
DMX Positive
DMX Negative
DMX Shield

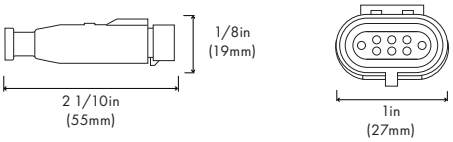
8 Pin Leader Cable

		UL/cUL	CE/CCC*
A	100-277V AC	Black	Brown
B	Neutral	White	Blue
C	Ground	Green	Green/Yellow
D	Data Positive/DC+	Orange	Orange
E	Data Negative/DC-	Yellow	Yellow
F	DMX Shield	Blue	Blue
G	Not Used	Purple	Purple
H	Not Used	Gray	Gray

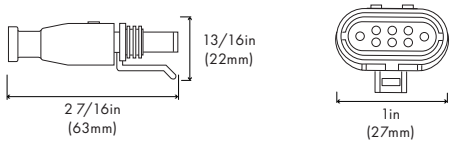
*Not illustrated

DMX Connectors

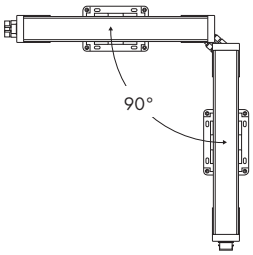
Female



Male



Angle Adjustment



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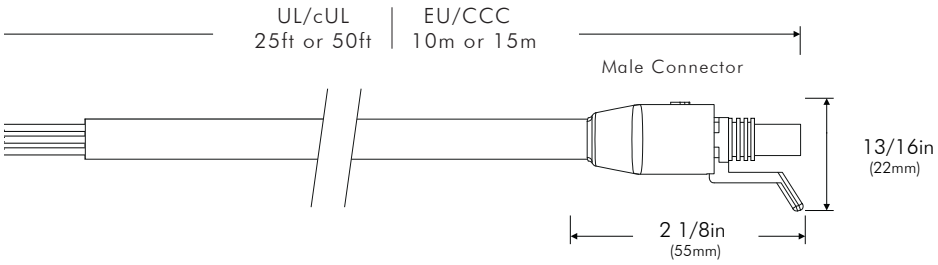
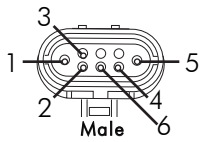
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

	UL/cUL	EU/CCC
Lengths	25ft and 50ft	10m and 15m
Color	Black	Black

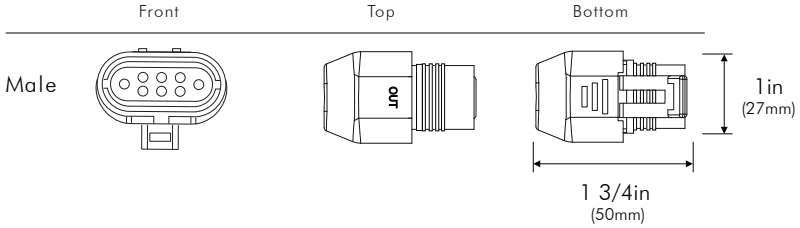


Pin Assignment



		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
4	DMX Positive	Orange	Orange
5	DMX Negative	Yellow	Yellow
6	DMX Shield	Blue	Blue

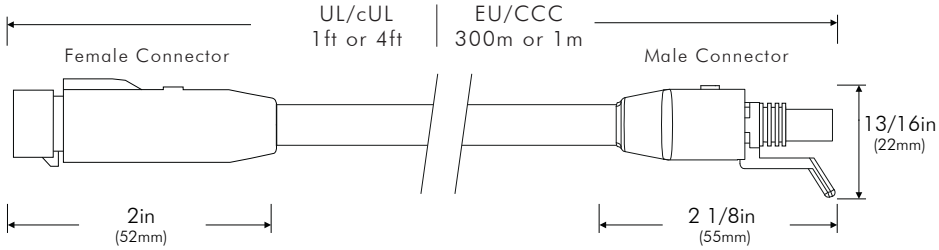
Connectors



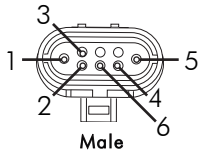
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black

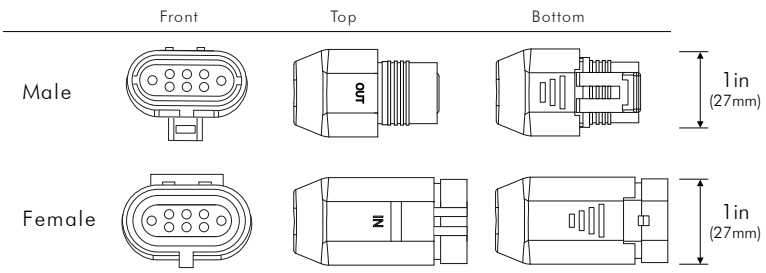


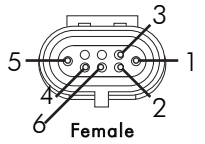
Pin Assignment



		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
4	DMX Positive	Orange	Orange
5	DMX Negative	Yellow	Yellow
6	DMX Shield	Blue	Blue

Connectors





		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
4	DMX Positive	Orange	Orange
5	DMX Negative	Yellow	Yellow
6	DMX Shield	Blue	Blue

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	FIXTURE	ORDERING SKU
1FT	Moda Cove Exterior Standard Output Silver Dynamic Cool 3500K-6500K HCRI 1FT	MCE-SO-S1-S-DC-1
	Moda Cove Exterior High Output Silver Dynamic Cool HCRI 3500K-6500K 1FT	MCE-HO-S1-S-DC-1
	Moda Cove Exterior High Output Plus Silver Dynamic Cool 3500K-6500K HCRI 1FT	MCE-HOP-S1-S-DC-1
4FT	Moda Cove Exterior Standard Output Silver Dynamic Cool 3500K-6500K HCRI 4FT	MCE-SO-S1-S-DC-4
	Moda Cove Exterior High Output Silver Dynamic Cool 3500K-6500K HCRI 4FT	MCE-HO-S1-S-DC-4
	Moda Cove Exterior High Output Plus Silver Dynamic Cool 3500K-6500K HCRI 4FT	MCE-HOP-S1-S-DC-4

ACCESSORIES	DESCRIPTION	ORDERING SKU
Leader Cable US 8 Pin 25FT	Power to first fixture of run	MLCE-US-8PIN-B-25FT
Leader Cable US 8 Pin 50FT	Power to first fixture of run	MLCE-US-8PIN-B-50FT
Jumper Cable US 8 Pin 1FT	Connection between fixtures	MJCE-US-8PIN-B-1FT
Jumper Cable US 8 Pin 4FT	Connection between fixtures	MJCE-US-8PIN-B-4FT
Leader Cable EU 8 Pin 10M	Power to first fixture of run	MLCE-EU-8PIN-B-10M
Leader Cable EU 8 Pin 15M	Power to first fixture of run	MLCE-EU-8PIN-B-15M
Jumper Cable EU 8 Pin 300MM	Connection between fixtures	MJCE-EU-8PIN-B-300MM
Jumper Cable EU 8 Pin 1M	Connection between fixtures	MJCE-EU-8PIN-B-1M
Terminator 8 Pin	Must be fixed to last fixture for safety	MTE-8PIN-B
Exterior Bracket Lock	Holds fixture in place for vertical installation	MCGE-BL-G

CONTROLS	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi Touch	DMX512 Wall Mounted Touch Panel Controller with Color Display	KND-TCH-B (Black) KND-TCH-W (White)	250-0040 250-0041
MODA Touch*	DMX512 Wall Mounted Touch Panel Controller	MTCH-S1-B (Black) MTCH-S1-W (White)	MTCH-S1-B MTCH-S1-W

* - MODA Touch default scene addressing can be found on MODA Touch Product Documentation and DMX Fixture Installation Guides.

CONTROL ACCESSORIES	DESCRIPTION	PART NUMBER	ORDERING SKU
Pathway DMX Splitter/Repeater	Wall-mount, 4 ports, E1.20 RDM Compliant, Small - 10in X 13in X 4 1/2in	PWREP WM P4 TERM RDM SML DMX-RDM	250-0153
Pathway DMX Splitter/Repeater	Wall-mount, 8 ports, E1.20 RDM Compliant, Medium - 10in X 23in X 4 1/2in	PWREP WM P8 TERM RDM MED DMX-RDM	250-0154
Pathway DMX Splitter/Repeater	Wall-mount, 12 ports, E1.20 RDM Compliant, Medium - 10in X 23in X 4 1/2in	PWREP WM P12 TERM RDM MED DMX-RDM	250-0155
Shielded Cable 500FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-500FT	250-0251
Shielded Cable 1000FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-1000FT	250-0252

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