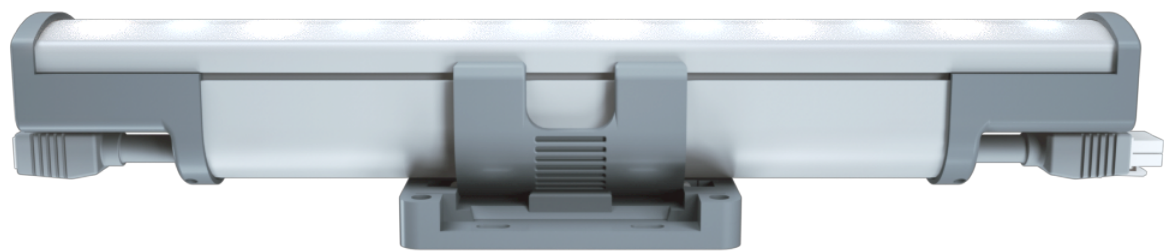# moda**LIGHT**®
SPECIFICATION

Client: _____   Project Name: _____

MODA Contact: _____   E-Mail: _____

Type: _____   PO#: _____   Quantity: _____

Notes: _____
_____

Specification Grade Premium Interior Cove Fixture.

MODA COVE Interior is a new patent pending cove lighting system designed for interior applications. Utilizing MODA's latest DMX software, our onboard Microprocessor is uniquely programmed in-house with a firmware to receive DMX 512 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. 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.

modaLIGHT®
S P E C I F I C A T I O N

PAGE

moda **LIGHT**®
S P E C I F I C A T I O N

PHYSICAL

Dimensions	L: 1ft (306mm) W: 2 1/2in(72mm) L: 4ft (1.21m) H: 2 5/16in(60mm)
Applications	Cove, Accent & Indirect General Illumination
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens
Ingress Protection	Dry/Damp Location IP44
Thermal Management	MODA Aluminum Heat Sink
Beam Angle	120°
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

OUTPUT

CCT & SDCM	3500K - 6500K 2 Step MacAdam Ellipse
Color Bin Tolerance	Zero Bin
CRI	94-98
Lumen Maintenance	90,000 Hours L70 @ 25°C 70,000 Hours L70 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Control	DMX 512
Power Factor	≥ 0.96

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 **AIRFLOW**™

moda **COMMUNICATE**™

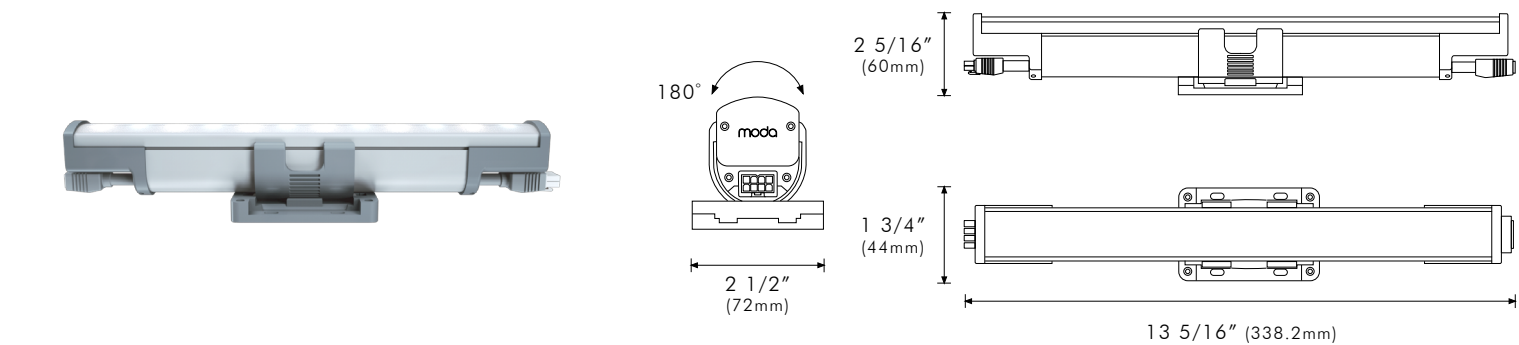moda **KWIK CONNECT**™

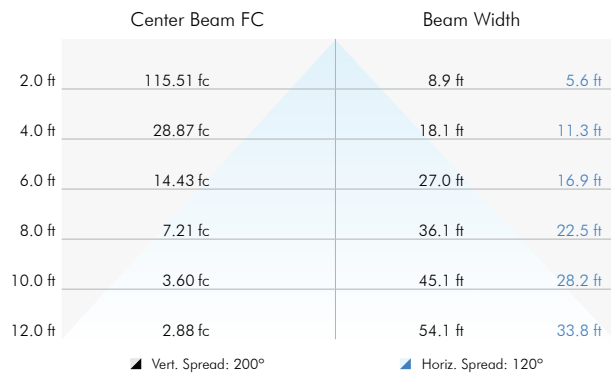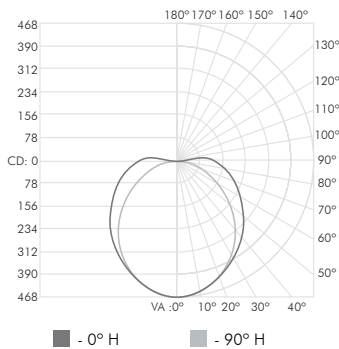|	
Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	3 Year Limited Warranty

2 5/16"
(60mm)

180°

1 3/4"
(44mm)

2 1/2"
(72mm)

13 5/16" (338.2mm)

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

	Center Beam FC	Beam Width	
2.0 ft	115.51 fc	8.9 ft	5.6 ft
4.0 ft	28.87 fc	18.1 ft	11.3 ft
6.0 ft	14.43 fc	27.0 ft	16.9 ft
8.0 ft	7.21 fc	36.1 ft	22.5 ft
10.0 ft	3.60 fc	45.1 ft	28.2 ft
12.0 ft	2.88 fc	54.1 ft	33.8 ft

◢ Vert. Spread: 200°   ◢ Horiz. Spread: 120°

Polar Candela Distribution

180° 170° 160° 150° 140°
130°
120°
110°
100°
90°
468
390
312
234
156
78
CD: 0
78
156
234
312
390
468
80°
70°
60°
50°
VA :0° 10° 20° 30° 40°

■ - 0° H   ■ - 90° H

180°

2 5/16" (60mm)

2 1/2" (72mm)

1 3/4" (44mm)

4' 6/8" (1.23m)
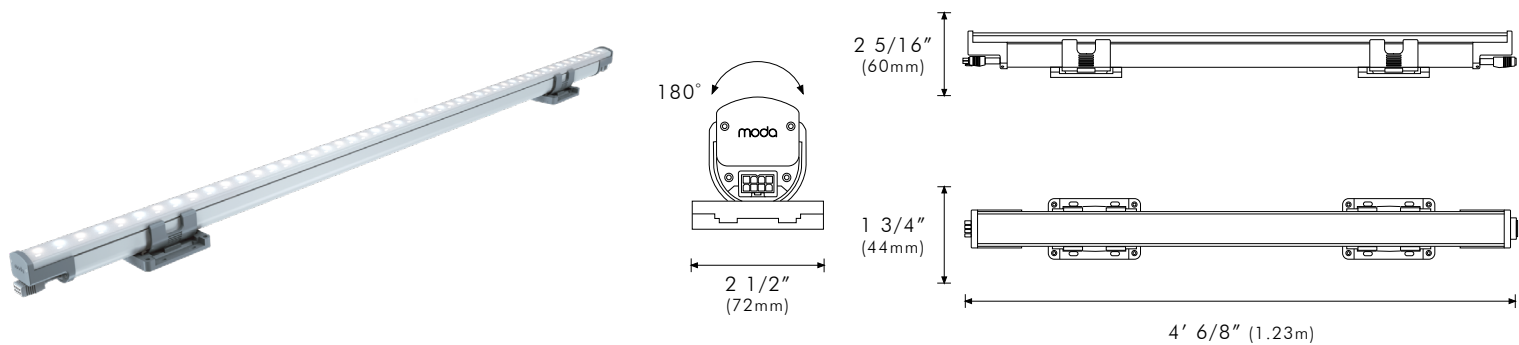
DMX

	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

	Center Beam FC	Beam Width	
2.0 ft	462.04 fc	8.9 ft	5.6 ft
4.0 ft	115.51 fc	18.1 ft	11.3 ft
6.0 ft	57.75 fc	27.0 ft	16.9 ft
8.0 ft	28.87 fc	36.1 ft	22.5 ft
10.0 ft	14.43 fc	45.1 ft	28.2 ft
12.0 ft	11.55 fc	54.1 ft	33.8 ft

◢ Vert. Spread: 200°   ◢ Horiz. Spread: 120°

Polar Candela Distribution

180° 170° 160° 150° 140°
130°
120°
110°
100°
90°
80°
70°
60°
50°
40°

1875 1560 1248 936 624 312 CD: 0 312 624 936 1248 1560 1875

VA :0° 10° 20° 30° 40°

■ - 0° H   ■ - 90° H

modaLIGHT
SPECIFICATION

DMX Controller

100-277V AC

2

1

3

B
C
A
D
E

4

5
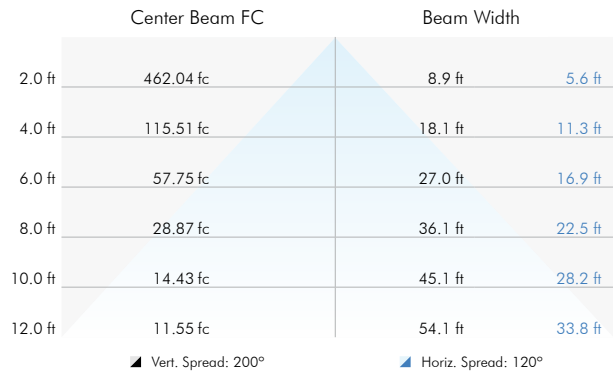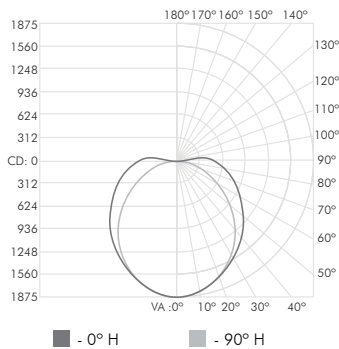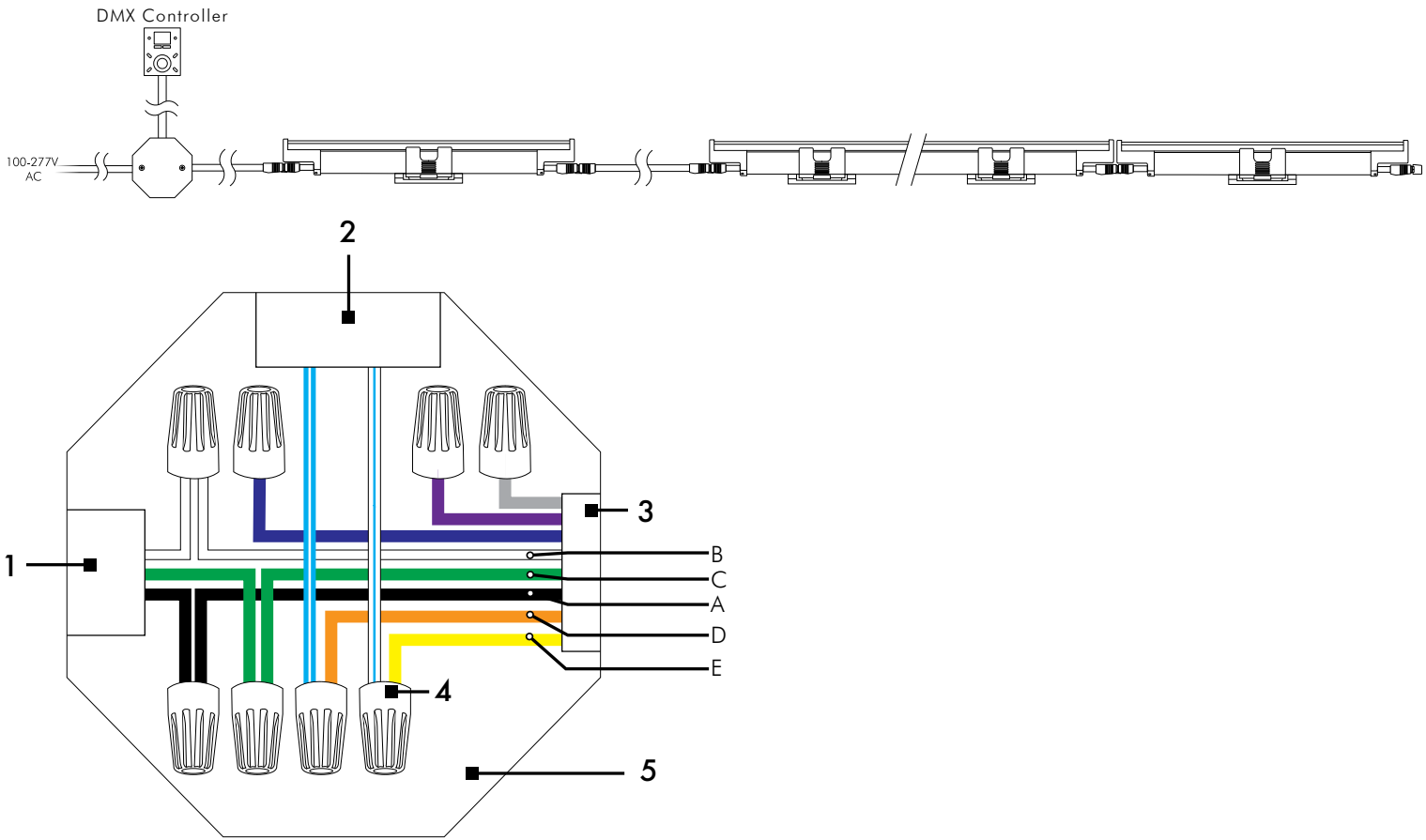
Wiring Legend

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

DMX Connectors

Male Output

1/2" (15mm)

1 9/10" (50mm)

4/5" (22mm)

Female Output

3/5" (16mm)

1 4/5" (48mm)

4/5" (22.5mm)

Angle Adjustment

90°

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	Orange	Orange
E	Data Negative	Yellow	Yellow

*Not illustrated

moda**LIGHT**®
SPECIFICATION
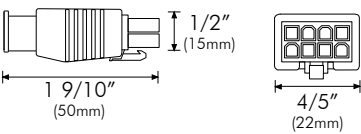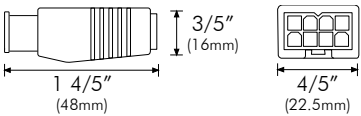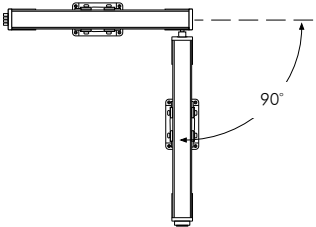
DMX LEADER CABLES

Moda Cove Interior 8 Pin Leader Cables

	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 7.62m
Color	Gray	Gray
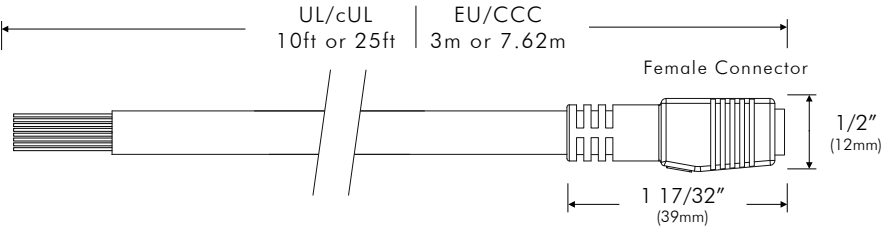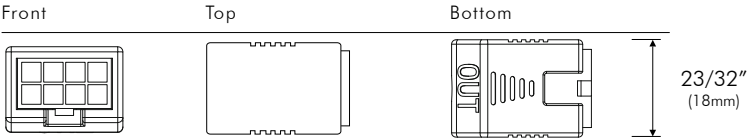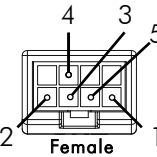
UL/cUL 10ft or 25ft | EU/CCC 3m or 7.62m

Female Connector

1/2" (12mm)

1 17/32" (39mm)

Female Connector

Front   Top   Bottom

23/32" (18mm)

Pin Assignment

Female

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

DMX JUMPER CABLES

Moda Cove Interior 8 Pin Jumper Cables

	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Gray	Gray
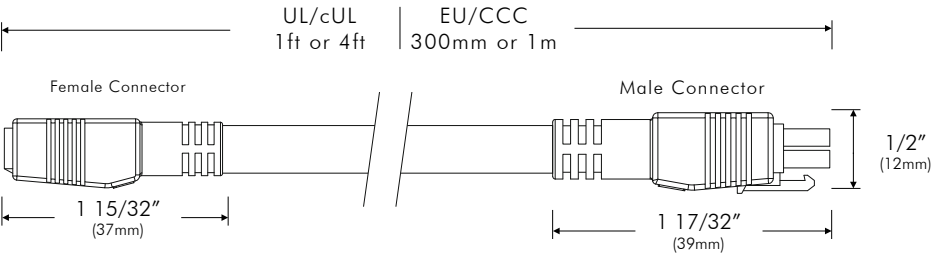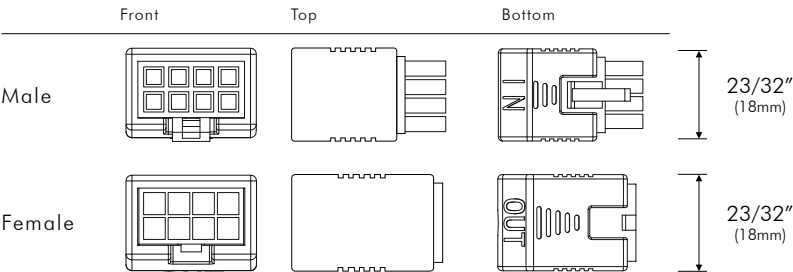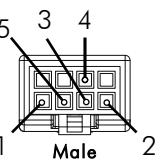
UL/cUL 1ft or 4ft | EU/CCC 300mm or 1m

Female Connector   Male Connector

1/2" (12mm)

1 15/32" (37mm)   1 17/32" (39mm)

Connectors

	Front	Top	Bottom	
Male				23/32" (18mm)
Female				23/32" (18mm)

Pin Assignment

Male

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

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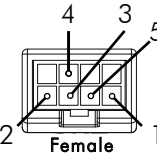
		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
4	DMX Positive	Orange	Orange
5	DMX Negative	Yellow	Yellow

	FIXTURE	SKU
	Moda Cove Interior Standard Output Silver Dynamic Cool 35K-65K HCRI 1FT	MCI-SO-S1-S-DC-1
1FT	Moda Cove Interior High Output Silver Dynamic Cool HCRI 35K-65K 1FT	MCI-HO-S1-S-DC-1
	Moda Cove Interior High Output Plus Silver Dynamic Cool 35K-65K HCRI 1FT	MCI-HOP-S1-S-DC-1
	Moda Cove Interior Standard Output Silver Dynamic Cool 35K-65K HCRI 4FT	MCI-SO-S1-S-DC-4
4FT	Moda Cove Interior High Output Silver Dynamic Cool 35K-65K HCRI 4FT	MCI-HO-S1-S-DC-4
	Moda Cove Interior High Output Plus Silver Dynamic Cool 35K-65K HCRI 4FT	MCI-HOP-S1-S-DC-4

ACCESSORIES	DESCRIPTION	SKU
Leader Cable US 8 Pin 10ft	Power to first fixture of run	MLCI-US-8PIN-G-10FT
Leader Cable US 8 Pin 25ft	Power to first fixture of run	MLCI-US-8PIN-G-25FT
Jumper Cable US 8 Pin 1ft	Connection between fixtures	MJCI-US-8PIN-G-1FT
Jumper Cable US 8 Pin 4ft	Connection between fixtures	MJCI-US-8PIN-G-4FT
Leader Cable EU 8 Pin 3m	Power to first fixture of run	MLCI-EU-8PIN-G-3M
Leader Cable EU 8 Pin 7.62m	Power to first fixture of run	MLCI-EU-8PIN-G-7.62M
Jumper Cable EU 8 Pin 300mm	Connection between fixtures	MJCI-EU-8PIN-G-300MM
Jumper Cable EU 8 Pin 1m	Connection between fixtures	MJCI-EU-8PIN-G-1M
Terminator 8 Pin	Must be fixed to last fixture for safety	MTI-8PIN-G
Interior Bracket Lock	Holds fixture in place for vertical installations	MCGI-BL-G

CONTROLS	DESCRIPTION	SKU
Kandi Touch	DMX 512 Controller	KND-TCH-B
	Available in black and white	KND-TCH-W

CONTROL ACCESSORIES	DESCRIPTION	SKU
Belden Shielded Cable 500ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-500FT
Belden Shielded Cable 1000ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-1000FT