Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____

_____

Specification Grade Premium Interior Cove Fixture.

MODA COVE Interior is a 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 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. 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.

moda LIGHT®
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modaLIGHT®
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PHYSICAL

Dimensions	L: 12 3/8in (318mm) W: 2 7/16 (61mm) L: 47 5/16in (1202mm) H: 2 3/8in (60mm)
Weight	12in: 1.0lbs (0.45kg) 48in: 3.1lbs (1.4kg)
Applications	Cove, Accent, & Indirect General Illumination
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Polycarbonate Optical Lens
Ingress Protection	Dry/Damp Location IP44
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**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

2 3/8in (60mm)
2 7/16in (61mm)

12 3/8in (316mm)

180°
1 1/2in (38mm)

13 3/16in (336mm)
3 11/16in (94mm)
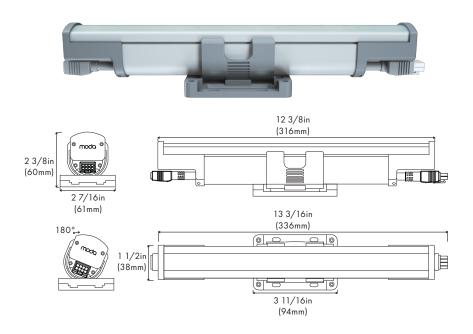
DMX
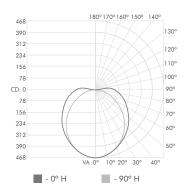
	Lumens/ft	CRI	Efficacy
SO	672.75 - 780.00	97	67.27 - 78.00
HO	936.39 - 1082.54	97	93.63 - 108.25
HO+	1079.10 - 1247.52	97	107.91 - 124.75

Power Consumption

120-277V AC   10W

Max Run Lengths

120-277V AC   80ft

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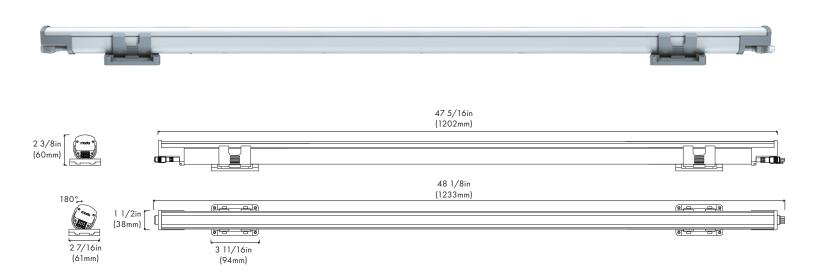
	Center Beam FC	Beam Width	
2.0 ft	115.51 fc	8.9 ft	5.6 ft
4.0 ft	28.87 fc	18.1 ft	11.3 ft
6.0 ft	14.43 fc	27.0 ft	16.9 ft
8.0 ft	7.21 fc	36.1 ft	22.5 ft
10.0 ft	3.60 fc	45.1 ft	28.2 ft
12.0 ft	2.88 fc	54.1 ft	33.8 ft

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

Polar Candela Distribution

■ - 0° H   ■ - 90° H

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P R O D U C T   G U I D E

47 5/16in
(1202mm)

2 3/8in
(60mm)

48 1/8in
(1233mm)

180°

1 1/2in
(38mm)

2 7/16in
(61mm)

3 11/16in
(94mm)
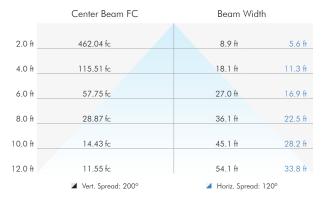
DMX
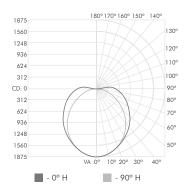
	Lumens	CRI	Efficacy
SO	2691.00 - 3120.00	97	67.27 - 78.00
HO	3745.56 - 4330.16	97	93.63 - 108.25
HO+	4316.40 - 4990.08	97	107.91 - 124.75

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° 30° 20° 10°

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

VA :0°

■ - 0° H   ■ - 90° H

WHEN SPLITTING THE LEADER CABLE INTO SEPARATE RUNS OF AC POWER AND DC POWER/DMX COMMUNICATIONS, BOTH RUNS SHOULD BE SUITABLY PROTECTED PER LOCAL CODE TO PREVENT SYSTEM DAMAGE FOR BOTH INTERIOR AND EXTERIOR INSTALLATIONS

100-277V AC

DMX

DMX CONTROL

DMX SPLITTER/ REPEATER

MODA J-BOX - POWER

MODA PLASTIC J-BOX - DMX

DMX

* MODA PLASTIC J-BOXES HIGHLY RECOMMENDED FOR INSTALLATION TO ALLEVIATE/PREVENT ARCING/GROUNDING OF DMX COMMUNICATIONS

Terminator must be installed at end of chain for DMX installation

Wiring Legend

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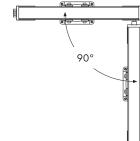
8 Pin Leader Cable

		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	Dark Blue	Dark Blue

*Not illustrated

DMX Connectors
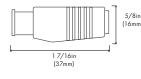
Male

5/8in (16mm)
1 9/16in (40mm)
13/16in (22mm)

Female

5/8in (16mm)
1 7/16in (37mm)
13/16in (22mm)

Angle Adjustment

90°

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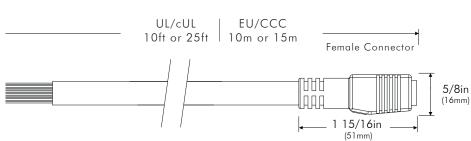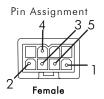
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables
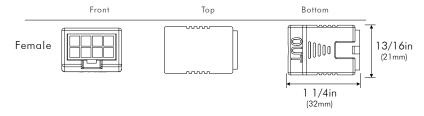
	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 10m
Color	Gray	Gray

UL/cUL
10ft or 25ft | EU/CCC
10m or 15m

Female Connector

5/8in
(16mm)

1 15/16in
(51mm)

Connectors

	Front	Top	Bottom
Female			

13/16in
(21mm)

1 1/4in
(32mm)

Pin Assignment

4   3 5

2   **Female**   1

		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
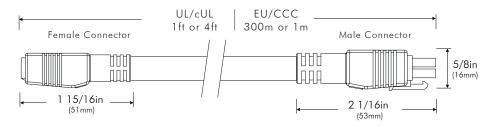
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Gray	Gray
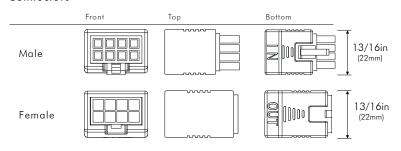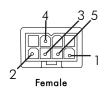
Female Connector

UL/cUL
1ft or 4ft | EU/CCC
300m or 1m

Male Connector

5/8in
(16mm)

1 15/16in
(51mm)

2 1/16in
(53mm)

Pin Assignment

5 3   4

1   **Male**   2

		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

Connectors

	Front	Top	Bottom
Male			
Female			

13/16in
(22mm)

13/16in
(22mm)

4   3 5

2   **Female**   1

		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	ORDERING SKU
	Moda Cove Interior Standard Output Silver DMX512 Dynamic Cool 3500K-6500K HCRI 1FT	MCI-SO-S1-S-DC-1
1FT	Moda Cove Interior High Output Silver DMX512 Dynamic Cool HCRI 3500K-6500K 1FT	MCI-HO-S1-S-DC-1
	Moda Cove Interior High Output Plus Silver DMX512 Dynamic Cool 3500K-6500K HCRI 1FT	MCI-HOP-S1-S-DC-1
	Moda Cove Interior Standard Output Silver DMX512 Dynamic Cool 3500K-6500K HCRI 4FT	MCI-SO-S1-S-DC-4
4FT	Moda Cove Interior High Output Silver DMX512 Dynamic Cool 3500K-6500K HCRI 4FT	MCI-HO-S1-S-DC-4
	Moda Cove Interior High Output Plus Silver DMX512 Dynamic Cool 3500K-6500K HCRI 4FT	MCI-HOP-S1-S-DC-4

ACCESSORIES	DESCRIPTION	ORDERING 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 10M	Power to first fixture of run	MLCI-EU-8PIN-G-10M
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 installation	MCGI-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