moda LIGHT®
PRODUCT GUIDE
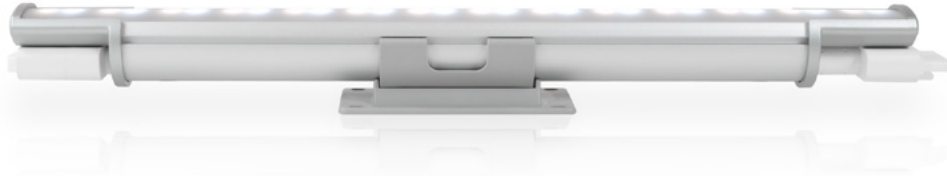
Project Name: _____   SKU: _____

MODA Contact: _____   E-Mail: _____

Type: _____   PO#: _____ Quantity: _____

Notes: _____

Miniature Line Voltage Cove Fixture.

MODA MINI COVE INTERIOR is an award winning, line voltage, cove lighting system. This patented series is now available in DMX controllable Dynamic White. Ideal for cove and alcove applications where high quality tunable white is a requirement. Advanced MODA Microprocessors allows the fixtures to be controlled via standard DMX512 signals, this, together with a non-linear dimming algorithm results in ultra smooth transitions and dimming across the white light spectrum.

Moda Light utilizes the industries most advance LEDs that are strictly single bin, (2-step MacAdam Elispe), ensuring uniform and consistent white light. Moda Light's intelligent and simplified systems do not require any additional power / data enablers, and with 100-277V line voltage as standard, MODA MINI COVE INTERIOR is a fast and simple product to install.

The fixture incorporates an integral, patented, self-locking bracket which can slide along the body of the fixture and be rotated 170 degrees. The built-in male & female connectors have thumb latch connectors resulting in fast, simple installation. Constructed from lightweight, durable aluminium with excellent thermal characteristics as well as integrating quality American Made electronic components. The specialized polymer optical lens combined with a cleverly designed Light Chamber delivers a light bending 200 degree beam pattern, perfect for cove installations with no color over angle, no striations or dark spots.

With the ability to mix our own phosphors MODA MINI COVE INTERIOR maintains a High Color Rendering Index of 96-98 regardless of the color temperature selected. R1-R15 tested to TM30-15 with values in excess of 90, creating beautiful illumination.

MODA MINI COVE INTERIOR, Dynamic White allows the ability to control color temperature within the same small fixture. Research has shown that adjusting color temperature will affect mood. The sun naturally cycles through various color temperatures every day. Cooler color temperatures stimulate a focused, alert state and increase productivity. Warmer color temperatures contributes to a calmer, relaxing environment and data shows it enhances melatonin production at night. MODA Dynamic White is able to mimic daylighting and the natural circadian rhythms that accompany it. Specifiers are encouraging the use of these platforms to enhance education, healthcare, retail, hospitality and even correctional facilities. Yellows and gold finishes are enhanced with warmer color temperatures. Silvers appear brighter with cooler color temperatures. While enhancing the ambience of space using Dynamic White is an important aspect of the technology, the ability to address and control each 1ft individually also allows the user to create various scenes within the white light installation for example color temperature cross fades, chasing scenes and sparkles.

Choose from Dynamic White (2200K-6500K), Dynamic Warm (1800K-3000K) or Dynamic Cool (3500K-6500K). 1800K is candlelight - perfect for hospitality. 2700K is an excellent example of incandescent looking illumination. Colors are crisp and sharp, ideal for all applications which require a high quality incandescent look. The MODA LIGHT 3000K is often described as one of the best looking 3000K in the industry. 3500K is the color which has now become our standard go to temperature. 4000K is perfect for offices and retail. Single binning means every fixture will have the same CCT - something that MODA has been doing since 2006. Choose from 1ft or 4ft sections. Accessories include a MODA DMX Wiring Hubs for fast hassle free wiring and an easy to install mounting track. Choose from 1ft or 4ft Dynamic White fixtures.

Tested by Intertek to UL1598 for use in USA & Canada. CE Approved. WEE. RoHS Compliant. TM-30-15 Tested. US Patent No. D787,112 and D783,890.

Product Innovation Award (PIA) Winner 2016 for Best Luminaire. LFI Innovation Award 2017 Finalist for Dynamic Color, Theatrical, Cove, Strips and Tape. Lux Award Commended for Interior Product of the Year 2016. Darc Awards Finalist for Best Architectural Lighting Product - Interior Luminaires 2016. International Design Excellence Award for Innovative Product Design Finalist 2016.

Designed & Developed by MODA LIGHT in Las Vegas, USA.

PAGE

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PRODUCT GUIDE

PHYSICAL

Dimensions	L: 1ft 3/32in (307.46mm) W: 1 1/4in (32mm) L: 4ft 1/8in (1.22m) H: 1 11/32in (34.5mm)
Weights	1ft: 0.21 lbs (0.10 kg) 4ft: 0.38 lbs (0.17kg)
Applications	Cove, Accent & Indirect General Illumination
Construction	6063 Aluminum Body, Polycarbonate Self-Locking Mounting Bracket and Optical Lens
Ingress Protection	Dry/Damp Location IP52
Thermal Management	MODA Aluminum Heat Sink
Beam Angle	200°
Fixture Connections	Integral Male & Female Connectors
Operating Temperature	-4°F ~ 149°F (-20°C ~ 65°C)
Storage Temperature	-13°F ~ 158°F (-25°C ~ 70°C)
Humidity	20-70% Non Condensing

OUTPUT

CCT & SDCM	3500K - 6500K 2 Step MacAdams Ellipse
Color Bin Tolerance	Zero Bin
CRI	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	≥ 0.98

MODA TECHNOLOGY

moda**SOFTWARE**™

moda**HARDWARE**™

moda**DMX**™

moda**LED**™

moda**MICRO DRIVER**™

moda**PHOSPHOR**™

moda**ZERO BIN**™

moda**THERMAL MANAGEMENT**™

moda**HIGH CRI**™

moda**AIRFLOW**™

moda**COLOR RENDITION**™
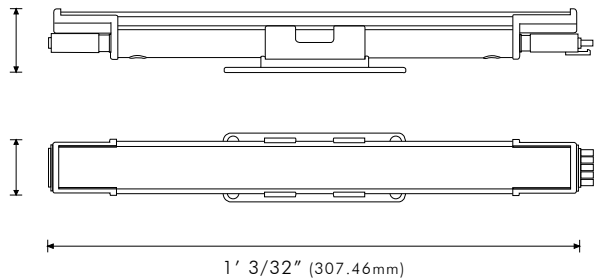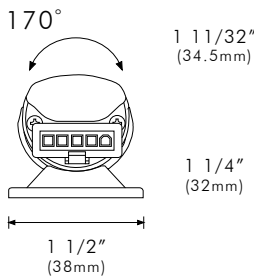
moda**LOCK**™

moda**KWIK CONNECT**™

moda**DYNAMIC COOL**
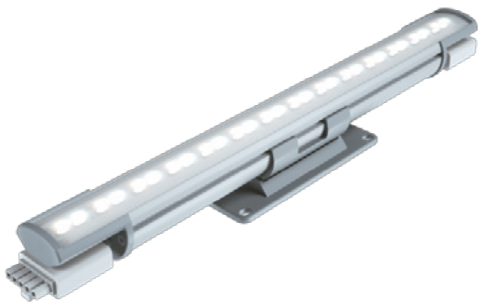
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Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, CCC, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	5 Year Limited Warranty

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PRODUCT GUIDE

170°

1 11/32" (34.5mm)

1 1/4" (32mm)

1 1/2" (38mm)

1' 3/32" (307.46mm)

DMX

Output	Lumens	CRI	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
3500K - 6500K	480.60	98	82.86	77.51	77.51

Power Consumption

120V AC	5.8W
240V AC	6.2W
277V AC	6.2W

Max Continuous Run

120V AC	120 ft
240V AC	240 ft
277V AC	240 ft

Polar Candela Distribution (3500K)

■ - 0° H   ■ - 90° H
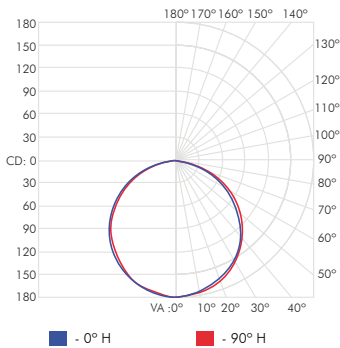
Illuminance at a Distance (3500K)

	Center Beam FC	Beam Width	
2.0 ft	42.8 fc	6.0 ft	6.1 ft
4.0 ft	10.7 fc	12.1 ft	12.2 ft
6.0 ft	4.76 fc	18.1 ft	18.4 ft
8.0 ft	2.68 fc	24.2 ft	24.5 ft
10.0 ft	1.71 fc	30.2 ft	30.6 ft
12.0 ft	1.19 fc	36.2 ft	36.7 ft

◢ Vert. Spread: 113°   ◢ Horiz. Spread: 113.7°

Polar Candela Distribution (6500K)

■ - 0° H   ■ - 90° H

Illuminance at a Distance (6500K)

	Center Beam FC	Beam Width	
2.0 ft	63.8 fc	6.0 ft	6.1 ft
4.0 ft	15.9 fc	12.1 ft	12.2 ft
6.0 ft	7.09 fc	18.1 ft	18.4 ft
8.0 ft	3.99 fc	24.2 ft	24.5 ft
10.0 ft	2.55 fc	30.2 ft	30.6 ft
12.0 ft	1.77 fc	36.2 ft	36.7 ft

◢ Vert. Spread: 113°   ◢ Horiz. Spread: 113.7°

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PRODUCT GUIDE

DMX

170°

1 11/32" (34.5mm)

1 1/4" (32mm)

1 1/2" (38mm)

4' 1/8" (1.22m)
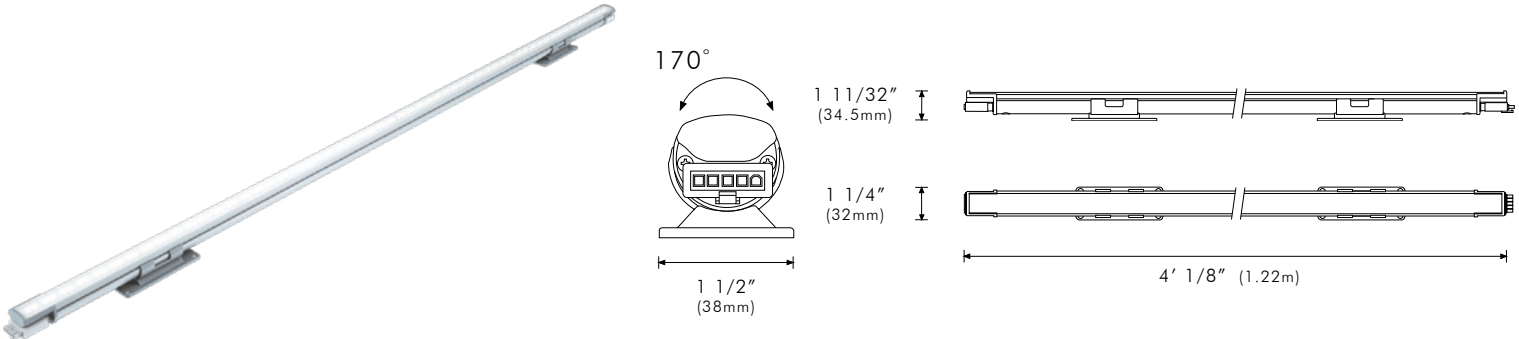
Output	Lumens	CRI	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
3500K - 6500K	1922.40	98	89.00	89.00	88.18

Power Consumption

120V AC	21.6W
240V AC	21.6W
277V AC	21.8W

Polar Candela Distribution (3500K)

690
575
460
345
230
115
CD: 0
115
230
345
460
575
690

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

VA :0° 10° 20° 30° 40°

- 0° H   - 90° H
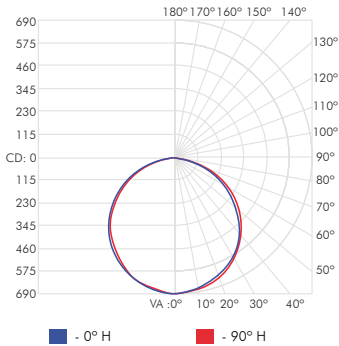
Illuminance at a Distance (3500K)

	Center Beam FC	Beam Width	
2.0 ft	166 fc	6.0 ft	6.1 ft
4.0 ft	41.4 fc	12.1 ft	12.2 ft
6.0 ft	18.4 fc	18.1 ft	18.4 ft
8.0 ft	10.4 fc	24.2 ft	24.5 ft
10.0 ft	6.63 fc	30.2 ft	30.6 ft
12.0 ft	4.60 fc	36.2 ft	36.7 ft

◢ Vert. Spread: 113°   ◢ Horiz. Spread: 113.7°

Max Continuous Run

120V AC	120 ft
240V AC	240 ft
277V AC	240 ft

Polar Candela Distribution (6500K)

990
825
660
495
330
165
CD: 0
165
330
495
660
825
990

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

VA :0° 10° 20° 30° 40°

- 0° H   - 90° H
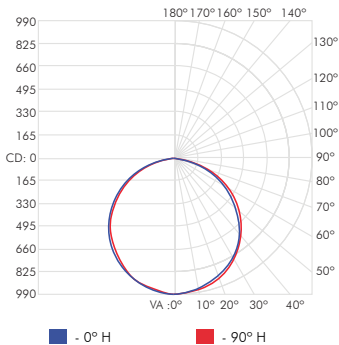
Illuminance at a Distance (6500K)

	Center Beam FC	Beam Width	
2.0 ft	491 fc	6.0 ft	6.1 ft
4.0 ft	123 fc	12.1 ft	12.2 ft
6.0 ft	54.5 fc	18.1 ft	18.4 ft
8.0 ft	30.7 fc	24.2 ft	24.5 ft
10.0 ft	19.6 fc	30.2 ft	30.6 ft
12.0 ft	13.6 fc	36.2 ft	36.7 ft

◢ Vert. Spread: 113°   ◢ Horiz. Spread: 113.7°

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

DMX Controller
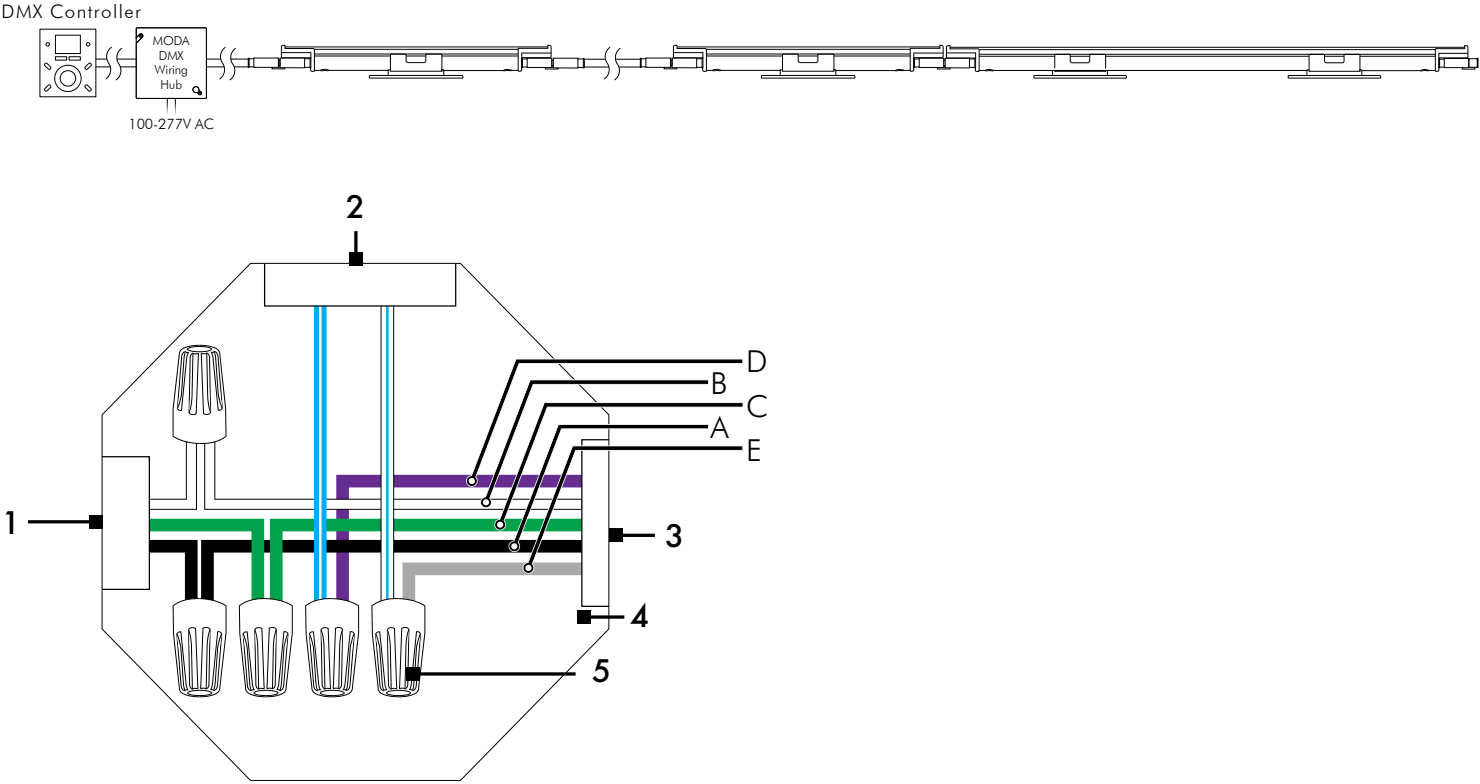
100-277V AC

Wiring Legend

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

5 Pin Leader Cable

		UL/cUL	CE/CCC*
A	Live 100-277V	Black	Brown
B	Neutral	White	Blue
C	Ground	Green	Green/Yellow
D	DMX Positive	Purple	Black
E	DMX Negative	Gray	Gray

*Not illustrated

DMX Connectors

Male Output

7/16"
(11mm)

1 9/32"
(32mm)

1 1/32"
(26mm)

Female Output

7/16"
(11mm)

1 5/16"
(33mm)

1 1/32"
(26mm)

Angle Adjusment

45°

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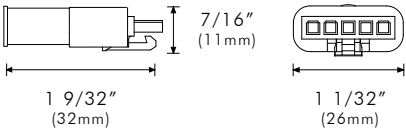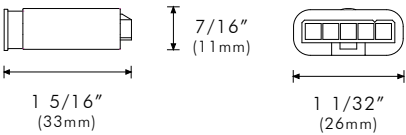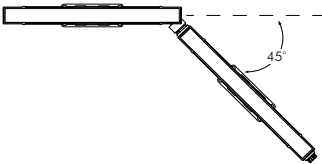
DMX LEADER CABLES

Moda Mini Graze Interior 5 Pin Leader Cables

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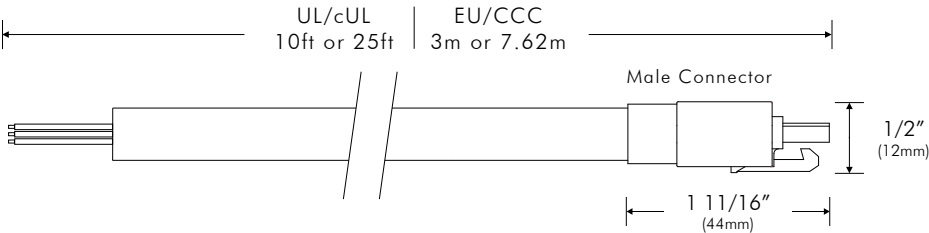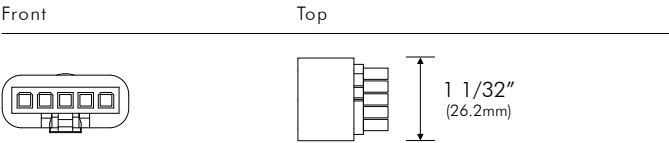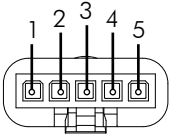
UL/cUL
10ft or 25ft

EU/CCC
3m or 7.62m

Male Connector

1/2"
(12mm)

1 11/16"
(44mm)

Male Connector

Front   Top

1 1/32"
(26.2mm)

Pin Assignment

1 2 3 4 5

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

DMX JUMPER CABLES

Moda Mini Graze Interior 5 Pin Jumper Cables

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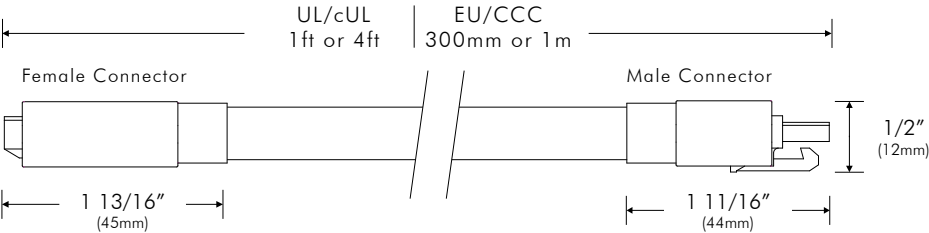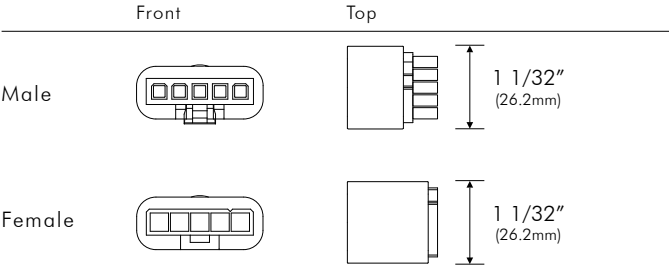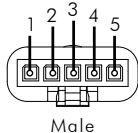
UL/cUL
1ft or 4ft

EU/CCC
300mm or 1m

Female Connector   Male Connector

1 13/16"
(45mm)

1 11/16"
(44mm)

1/2"
(12mm)

Connectors

Front   Top

Male

1 1/32"
(26.2mm)

Female

1 1/32"
(26.2mm)

Pin Assignment

1 2 3 4 5

Male

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

1 2 3 4 5

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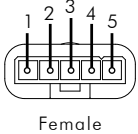
		UL/cUL	EU/CCC
1	DMX Negative	Gray	Gray
2	DMX Positive	Purple	Black
3	Ground	Green	Green/ Yellow
4	Neutral	White	Blue
5	Live 100-277V	Black	Brown

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Top View

1 1/4" (31.75mm)

7/16" (11.5mm)

1 11/16" (42.86mm)

1 11/16" (42.86mm)

4' (1.22m)
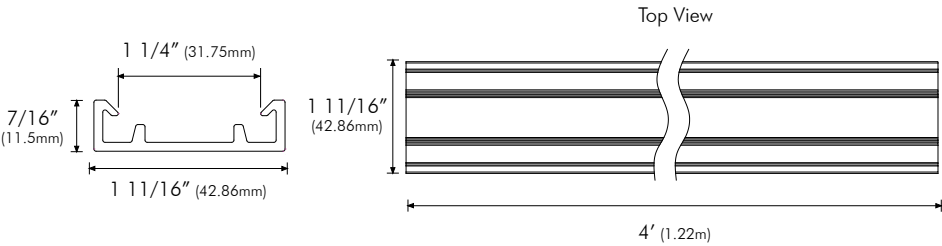
MODA MINI COVE MOUNTING TRACK

Mounting Mini Cove.

Allows users to install Moda Mini Cove fixtures in a continuous linear position. Moda Mini Cove Mounting Tracks come packaged in 5 pieces of 4ft sections to create a continuous run of 20ft.

Options

Finish	G - Gray
Length	4ft - 4' Sections
Quantity	5 Pieces (20ft)

Physical

Applications	Cove, Accent
Construction	Polycarbonate

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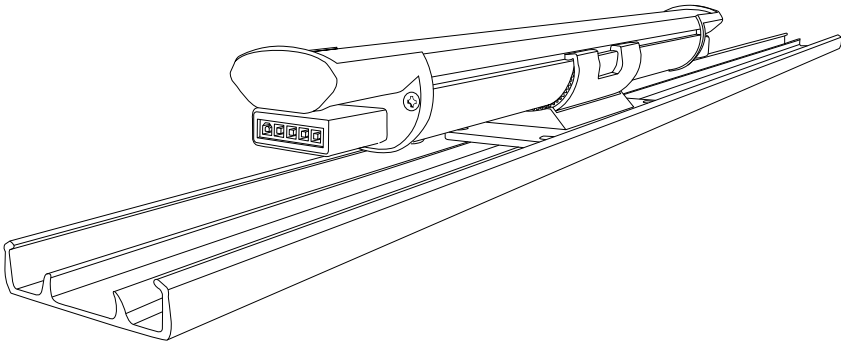
	FIXTURE		ORDERING NUMBER	SKU
1FT	Moda Mini Cove Interior Standard Output Silver DMX 512 Dynamic Cool HCRI 1FT		MMCI-S-S-DC-1	106-1401
4FT	Moda Mini Cove Interior Standard Output Silver DMX 512 Dynamic Cool HCRI 4FT		MMCI-S-S-DC-4	106-3401

ACCESSORIES	DESCRIPTION	ORDERING NUMBER	SKU
Leader Cable US 5 Pin 10ft	Power to first fixture of run	MLCI-US-5PIN-W-10FT	299-0100
Leader Cable US 5 Pin 25ft	Power to first fixture of run	MLCI-US-5PIN-W-25FT	299-0102
Jumper Cable US 5 Pin 1ft	Connection between fixtures	MJCI-US-5PIN-W-1FT	299-1100
Jumper Cable US 5 Pin 4ft	Connection between fixtures	MJCI-US-5PIN-W-4FT	299-1102
Leader Cable EU 5 Pin 3m	Power to first fixture of run	MLCI-EU-5PIN-W-3M	299-0101
Leader Cable EU 5 Pin 7.62m	Power to first fixture of run	MLCI-EU-5PIN-W-7.62M	299-0103
Jumper Cable EU 5 Pin 300mm	Connection between fixtures	MJCI-EU-5PIN-W-300MM	299-1101
Jumper Cable EU 5 Pin 1m	Connection between fixtures	MJCI-EU-5PIN-W-1M	299-1103
Terminator 5 Pin	Must be fixed to last fixture for safety	MTI-5PIN-W	299-2100
Mounting Track	Allows user to install fixtures in a continuous linear position. Packaged in 5 4ft sections in total of 20ft.	MMC-20-TRACK-1-S1-G	299-3200

CONTROLS	DESCRIPTION	ORDERING NUMBER	SKU
Kandi Touch	DMX 512 Controller Available in black and white	KND-TCH-B KND-TCH-W	250-0040 250-0041

CONTROL ACCESSORIES	DESCRIPTION	ORDERING NUMBER	SKU
Moda DMX Wiring Hub 2.0	Simplifies wiring and strengthens DMX signal.	N/A	250-0100
Belden Shielded Cable 500ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-500FT	250-0251
Belden Shielded Cable 1000ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-1000FT	250-0252

Due to continuous improvements and innovations, specifications may change without notice. Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.

VDC 02/15/2019 **9 / 9**
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