moda LIGHT
PRODUCT GUIDE

Project Name: _____ SKU: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____

Miniature Line Voltage Cove Fixture.

Our multi award winning MODA MINI COVE® series is now available in DMX512 controllable color changing fixtures. Utilizing the same small 1 3/16in (30mm) tall fixture that the other MINI COVE® family members utilize with all of their wealth of great features, these intelligent digital cove fixtures can produce striking color washes of bright colors in any cove, alcove or accent applications. Advanced MODA firmware allows our fixtures to accept a standard DMX signal from most controllers and to display smooth color changes across the lighting spectrum. DMX is limited just to 256 steps of brightness, these are the same steps that are used to mix colors. Our microprocessors convert this information using our patent pending technology to soft fluid color transitions and smooth soft dimming. Our fixtures utilize the most advance Tricolor LEDs in the world to produce excellent uniform colors. Installation is easy and fast; no costly control boxes, bridges, adapters or converters are required. Boosters or amplifiers which make installation more complicated are also not required. Simplicity is key to an easy and fast installation.

The fixture incorporates an integral, patented, toolless self-locking bracket which slides into any position and turns 170 degrees. Built-in male & female connectors with thumb latch connections for fast installation time. Lightweight aluminum construction for durability and excellent thermal characteristics. Quality American made electronic components. Integral end to end thumb latch connectors with simple leader and jumper cables complete an installation quickly. A specialized curved polymer optical lens combined with a cleverly designed Light Chamber delivers a light bending, smooth 200 degree beam pattern perfect for cove installations with no color over angle, no striations, inter-locking fields of light and no dark spots.

Choose from RGB, RGBA or RGBW fixtures. RGBW fixtures are available in High CRI 2700K, 3000K, 3500K or 4000K. These fixtures benefit with high R1-R15 values and excellent TM30 results for excellent white light cove illumination. Mix the white die with RGB to create soft pastel colors. 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. 3000K has often been described as one of the best looking 3000K in the industry. 3500K is the color which has now become our standard go-to temperature, not being too neutral with a hint of warmth. 4000K is perfect for offices and retail. Accessories include full series of Controllers, MODA dual power and data cables, DMX cables, MODA DMX splitters, Pathway DMX Splitter/Repeater, and an easy to install mounting track. Choose from 1ft or 4ft sections.

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

moda**LIGHT**®
PRODUCT GUIDE

FEATURES

PHYSICAL

Dimensions	L: 12in (304mm)	W: 1 13/16in (46mm)
	L: 48in (1219mm)	H: 1 3/16in (30mm)
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 ~ 122°F (-20°C ~ 50°C)	
Storage Temperature	-13°F ~ 158°F (-25°C ~ 70°C)	
Humidity	20-70% Non Condensing	

OUTPUT

CCT & SDCM	N/A
Color Bin Tolerance	Zero Bin
Wavelength	Variable for RGB
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	DMX512
Power Factor	≥ 0.98

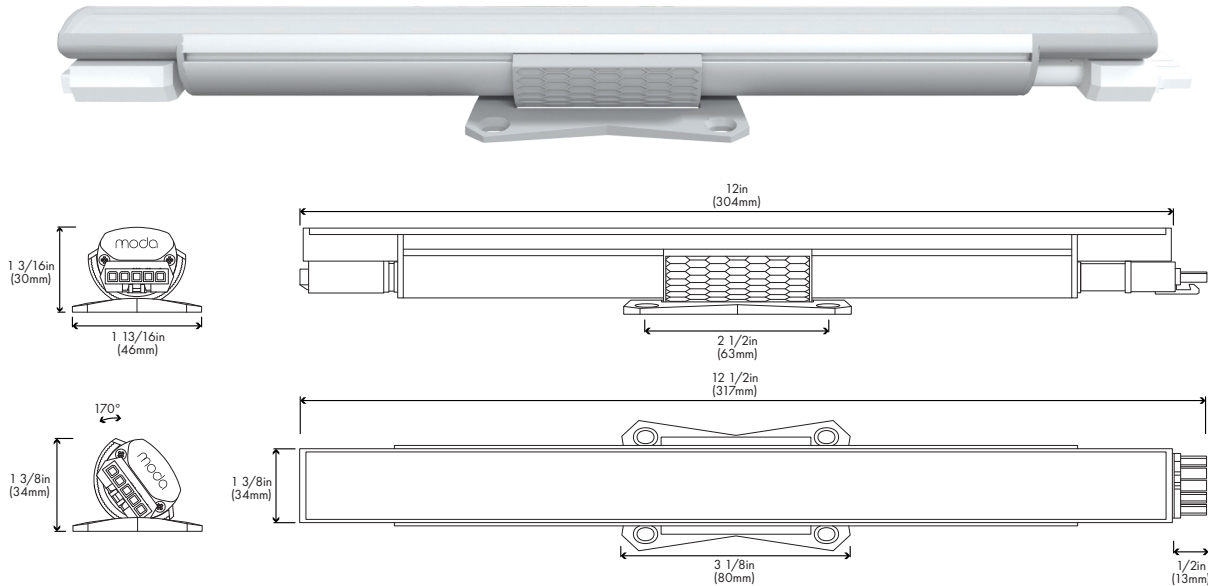## DIMMING

	Outputs Available
1FT	SO
4FT	SO

MODA TECHNOLOGY

moda**SOFTWARE**™

moda **HARDWARE**™

moda**DMX**™ ™

moda**LED**™

moda**MICRO DRIVER**™

moda**PHOSPHOR**™

moda **ZERO BIN**™

moda**THERMAL MANAGEMENT**™

moda **AIRFLOW**™

moda **COLOR RENDITION**™

moda**LOCK**™

moda**KWIK CONNECT**™

STANDARDS & CERTIFICATIONS

ETL   CE   CCC   RoHS✓

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

Dimensions:
- 12in (304mm)
- 2 1/2in (63mm)
- 12 1/2in (317mm)
- 3 1/8in (80mm)
- 1/2in (13mm)
- 1 3/16in (30mm)
- 1 13/16in (46mm)
- 170°
- 1 3/8in (34mm)

DMX

	Lumens	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
Red	27.30	7.01	6.82	5.80
Green	59.23	15.18	12.60	12.60
Blue	15.94	4.08	3.40	3.40
RGB	120.47	30.88	30.11	25.63

Power Consumption

120V	3.9W
240V	4W
277V	4.7W

Max Continuous Run

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

Polar Candela Distribution

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

- 0° H
- 90° H
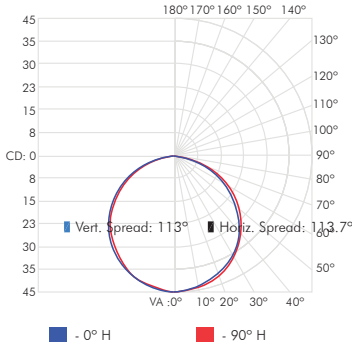
Illuminance at a Distance

	Center Beam FC	Beam Width	
2.0 ft	10.6 fc	6.1 ft	6.0 ft
4.0 ft	2.64 fc	12.2 ft	12.1 ft
6.0 ft	1.17 fc	18.4 ft	18.1 ft
8.0 ft	0.66 fc	24.5 ft	24.2 ft
10.0 ft	0.42 fc	30.6 ft	30.2 ft
12.0 ft	0.29 fc	36.7 ft	36.2 ft

48in (1219mm)

1 3/16in (30mm)

1 13/16in (46mm)

2 1/2in (63mm)

170°

1 3/8in (34mm)

48 1/2in (1232mm)

1 3/8in (34mm)

3 1/8in (80mm)

1/2in (13mm)

DMX
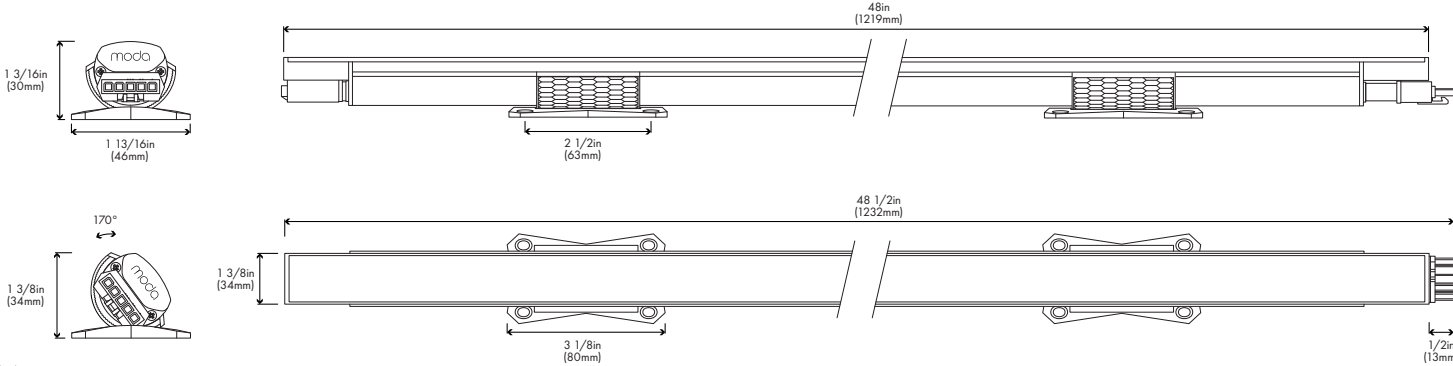
	Lumens	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
Red	109.20	8.02	8.02	8.02
Green	236.92	17.42	16.92	16.92
Blue	63.76	4.68	4.55	4.55
RGB	481.88	35.43	34.42	34.42

SO Power Consumption

120V	13.6W
240V	14W
277V	14W

SO Max Run Lengths

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

Polar Candela Distribution

180° 170° 160° 150° 140°
170 130°
142 120°
113 110°
85 100°
57
28 90°
CD: 0
28 80°
57 70°
85 60°
113
142 50°
170
VA :0° 10° 20° 30° 40°

■ - 0° H   ■ - 90° H

Illuminance at a Distance

	Center Beam FC	Beam Width	
2.0 ft	42.2 fc	6.1 ft	6.0 ft
4.0 ft	10.6 fc	12.2 ft	12.1 ft
6.0 ft	4.69 fc	18.4 ft	18.1 ft
8.0 ft	2.64 fc	24.5 ft	24.2 ft
10.0 ft	1.69 fc	30.6 ft	30.2 ft
12.0 ft	1.17 fc	36.7 ft	36.2 ft

■ Vert. Spread: 113°   ■ Horiz. Spread: 113.7°
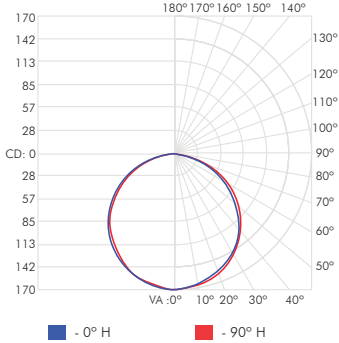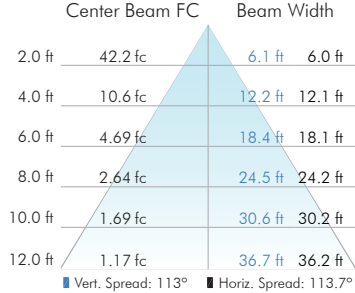
CIE 1931 CHROMATICITY DIAGRAM
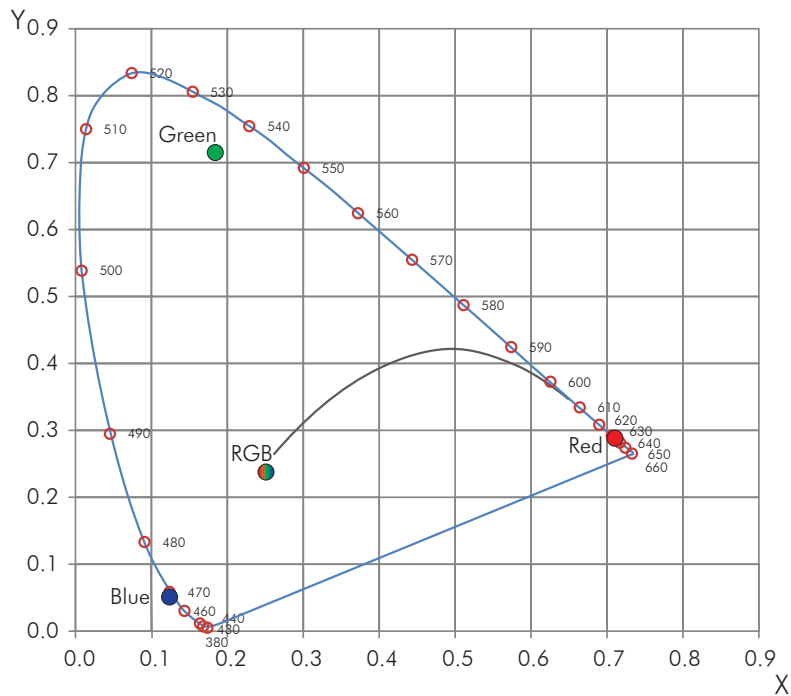
Color	Coordinates				Wavelength
● Red	x: 0.7044	y: 0.2932	u: 0.5515	v: 0.5164	629nm
● Green	x: 0.1807	y: 0.7233	u: 0.0639	v: 0.5752	529nm
● Blue	x: 0.1388	y: 0.0504	u: 0.1668	v: 0.1364	461nm
◕ RGB	x: 0.2571	y: 0.2339	u: 0.1943	v: 0.3977	642nm

modaLIGHT
PRODUCT GUIDE

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

MODA
J-BOX - POWER

DMX

DMX
CONTROL

DMX

DMX
SPLITTER/
REPEATER

MODA
PLASTIC
J-BOX - DMX

Terminator must be installed at
end of chain for DMX installation

* **MODA PLASTIC J-BOXES** HIGHLY RECOMMENDED FOR INSTALLATION TO ALLEVIATE/PREVENT
ARCING/GROUNDING/NOISE/EARTH GROUNDING OF DMX COMMUNICATIONS.
MAXIMUM NUMBER OF FEET PER SINGLE RUN LIMITED TO 80FT COMBINATION OF FIXTURE/JUMPER SIZING.

2

5

D
E
A
C
B

4

3

1

4

Wiring Legend

1	Power 100-277V AC
2	DMX Splitter/Repeater
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

7/16in
(11mm)

1 7/16in
(37mm)

1 1/16in
(27mm)

Female Output

7/16in
(11mm)

1 5/8in
(42mm)

1 1/16in
(27mm)

Angle Adjustment

45

modaLIGHT®
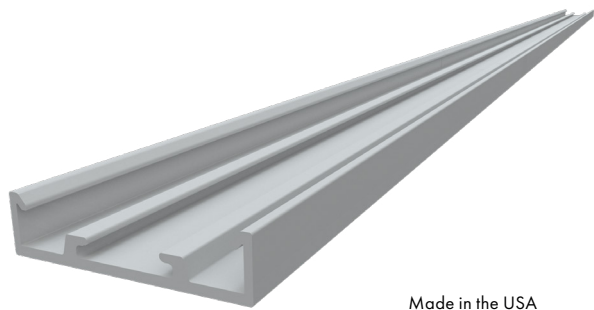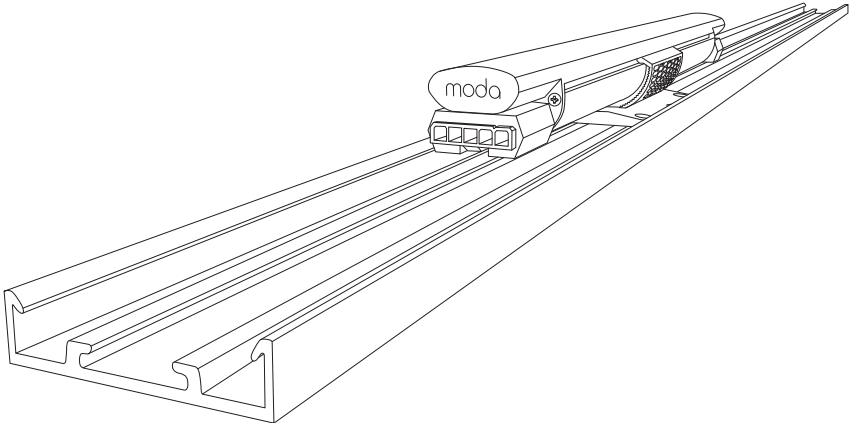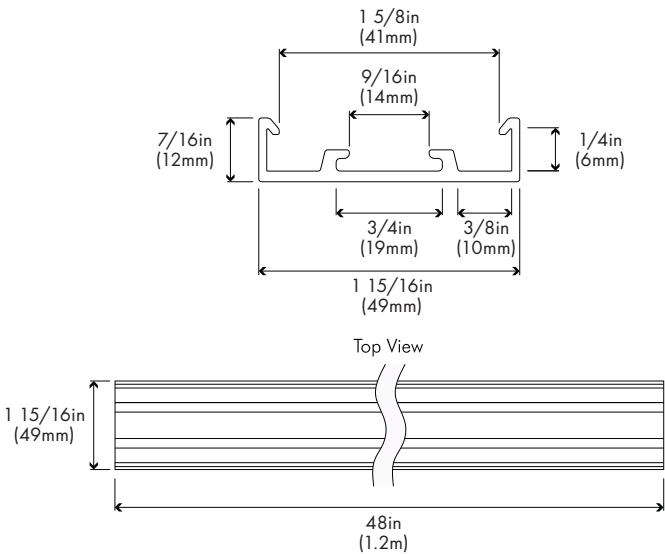## PRODUCT GUIDE
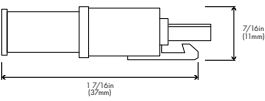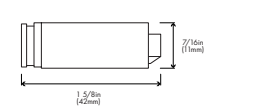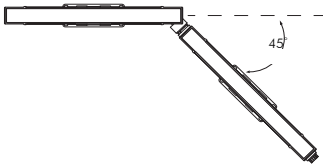
Made in the USA

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. Made in the USA.

Options

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

Physical

Applications	Cove, Accent
Construction	ABS Plastic

Top View

1 5/8in (41mm)
9/16in (14mm)
7/16in (12mm)
1/4in (6mm)
3/4in (19mm)
3/8in (10mm)
1 15/16in (49mm)

1 15/16in (49mm)
48in (1.2m)

MODA MINI COVE TRACK CONNECTOR

Joins two pieces of track together.

Accepts screw sizes

Drywall	#6	#8
Self tapping	#6	#8
Concrete Anchor	3/16in	

(By others)

5/16in (8mm)
3/16in (5mm)
13/16in (20mm)
2 1/2in (64mm)
1/4in (6mm)
3in (76mm)
1/8in (2mm)

moda **LIGHT**®
P R O D U C T   G U I D E

6 5/16in / 12in
(160mm / 304mm)

1 11/16in
(43mm)

1 3/8in
(34mm)

1 1/16in
(27mm)

3/4in
(19mm)

1 1/2in
(32mm)
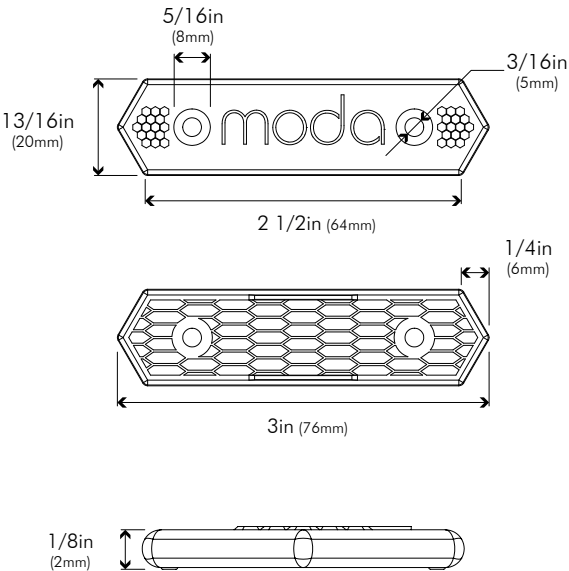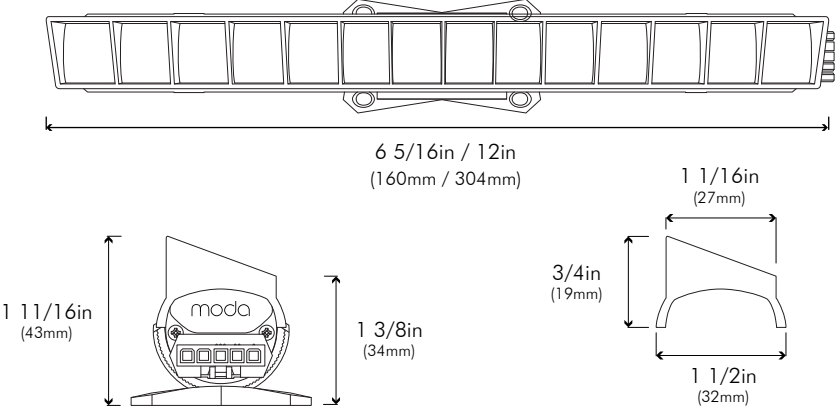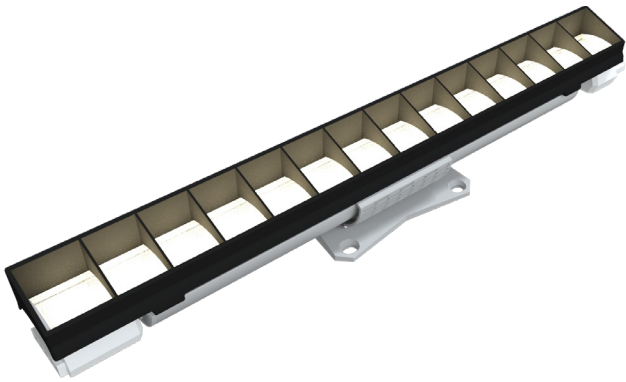
MODA MINI COVE LOUVERS ASYMMETRIC

Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. Use four 1ft louvers for a 4ft fixture.
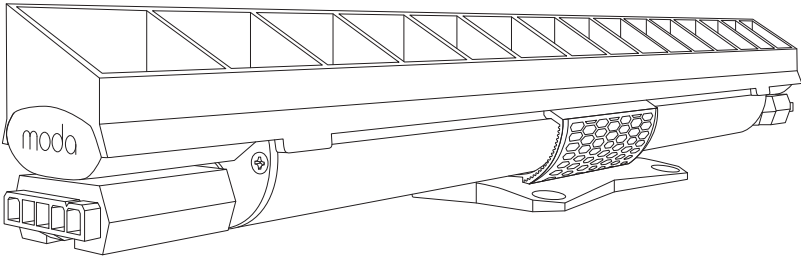
Features

- Convenient 1ft sections
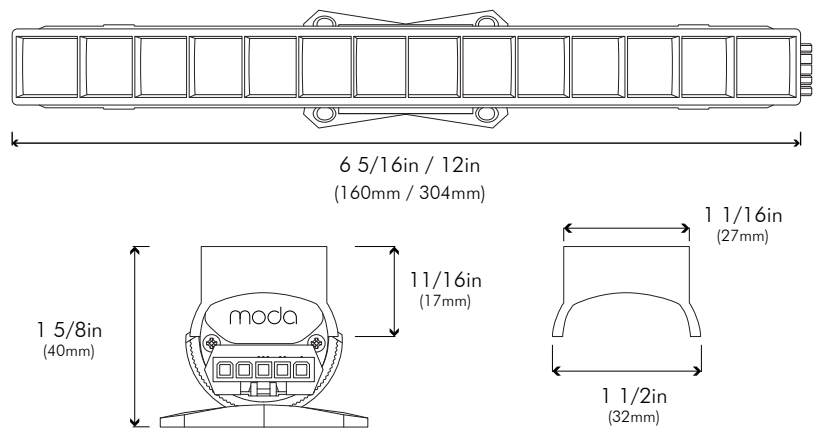
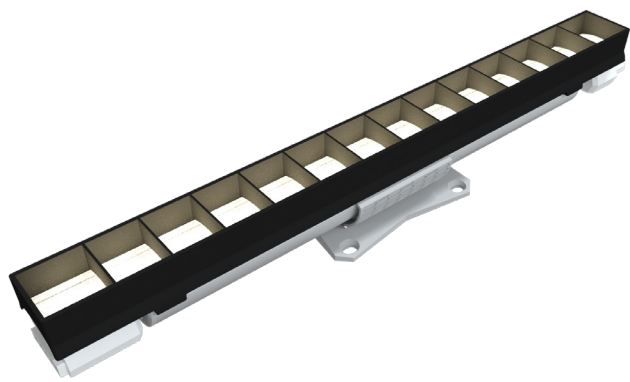- Snap on assembly

- Toolless installation

- UV protected

Options

Finish	B - BLACK
Length	1FT

Physical

Applications	Cove, Accent, Graze
Construction	ABS

modaLIGHT
PRODUCT GUIDE

6 5/16in / 12in
(160mm / 304mm)

1 5/8in
(40mm)

11/16in
(17mm)

1 1/16in
(27mm)

1 1/2in
(32mm)

MODA MINI COVE LOUVERS
SYMMETRIC

Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. Use four 1ft louvers for a 4ft fixture.
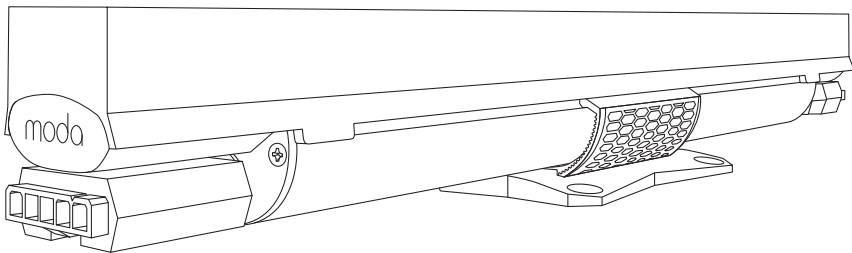
Features

- Convenient 1ft sections

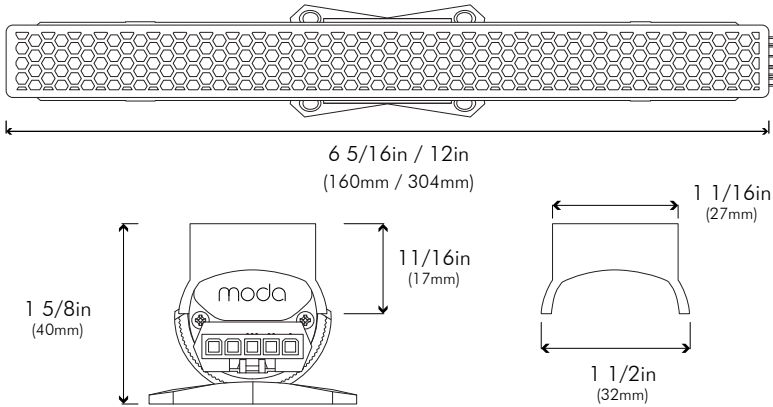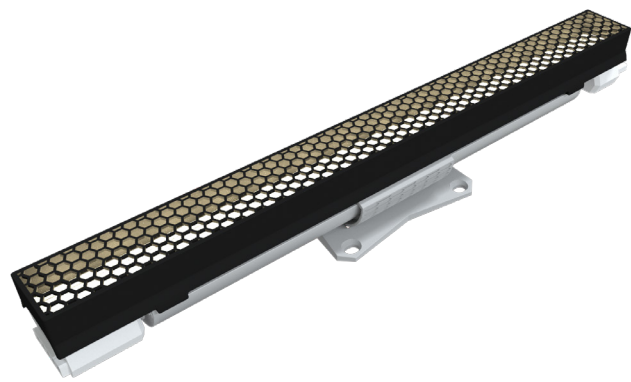- Snap on assembly

- Toolless installation

- UV protected

Options

Finish	B - BLACK
Length	1FT

Physical

Applications	Cove, Accent, Graze
Construction	ABS

6 5/16in / 12in
(160mm / 304mm)

1 5/8in
(40mm)

11/16in
(17mm)

1 1/16in
(27mm)

1 1/2in
(32mm)

MODA MINI COVE LOUVERS HONEYCOMB

Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. Use four 1ft louvers for a 4ft fixture.
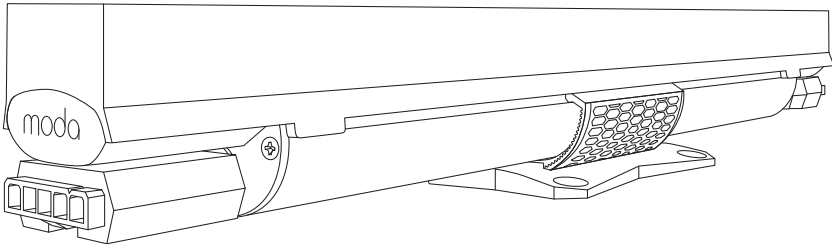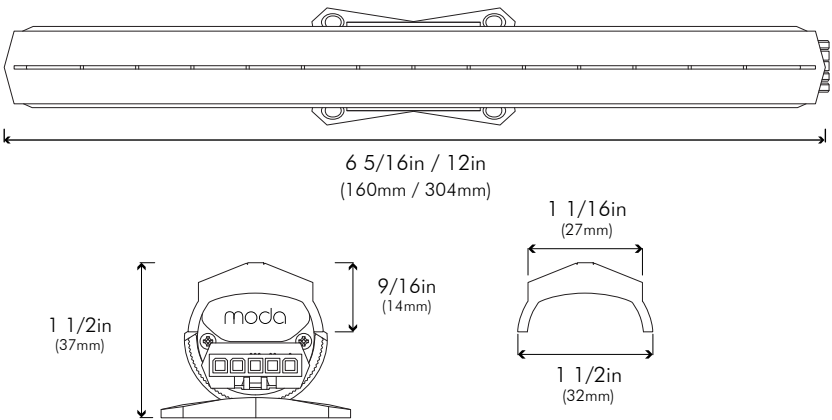
Features

- Convenient 1ft sections

- Snap on assembly

- Toolless installation

- UV protected

Options

Finish	B - BLACK
Length	1FT

Physical

Applications	Cove, Accent, Graze
Construction	ABS

---

moda **LIGHT**®
P R O D U C T   G U I D E

6 5/16in / 12in
(160mm / 304mm)

1 1/16in
(27mm)

9/16in
(14mm)

1 1/2in
(37mm)

1 1/2in
(32mm)

MODA MINI COVE LOUVERS BLADE

Add visual interest to any space by creating a narrow line of light, which can be seen in semi direct view or reflected off the wall or ceiling when integrated into a cove or niche. Use four 1ft louvers for a 4ft fixture.
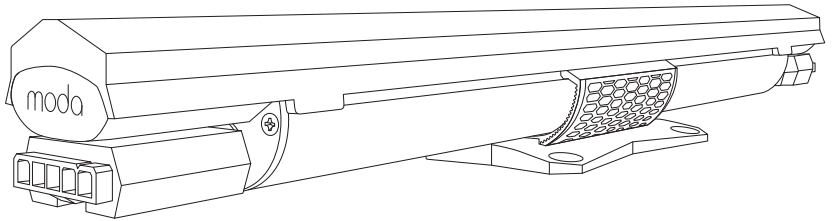
Features

- Convenient 1ft sections

- Snap on assembly

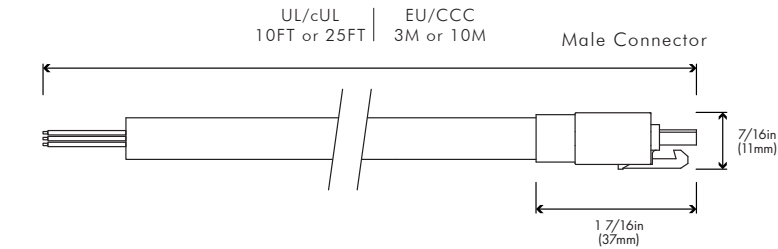- Toolless installation

- UV protected

Options

Finish	B - BLACK
Length	1FT

Physical

Applications	Cove, Accent, Graze
Construction	ABS

modaLIGHT®
PRODUCT GUIDE

DMX LEADER CABLES

Moda Mini Cove Interior 5 Pin Leader Cables

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

UL/cUL | EU/CCC
10FT or 25FT | 3M or 10M   Male Connector

7/16in (11mm)

1 7/16in (37mm)

Male Connector

Front   Top

1 3/16in (30mm)

7/16in (11mm)

1 1/16in (27mm)   1 9/16in (39mm)
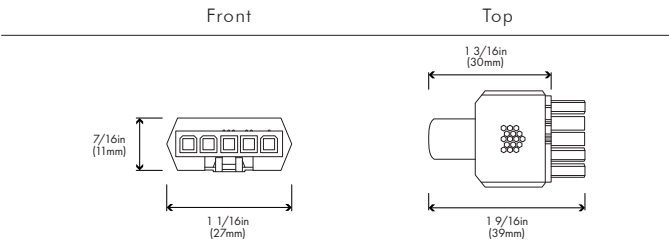
Pin Assignment

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

DMX JUMPER CABLES

Female Connector   UL/cUL | EU/CCC   Male Connector
10FT or 25FT | 3M or 10M

7/16in (11mm)

1 11/16in (42mm)   1 7/16in (37mm)

Connectors

Front   Top

1 3/16in (30mm)

Male   7/16in (11mm)

1 1/16in (27mm)   1 9/16in (39mm)

1 9/16in (39mm)

Female   7/16in (11mm)

1 1/16in (27mm)   1 11/16in (42mm)
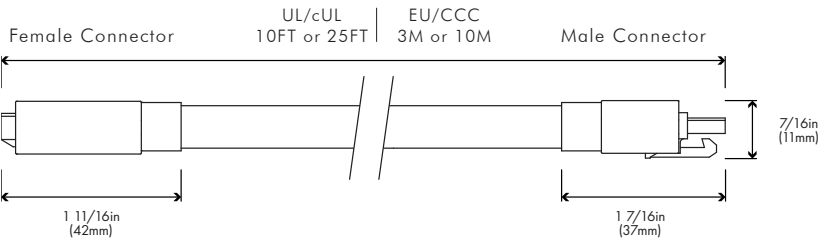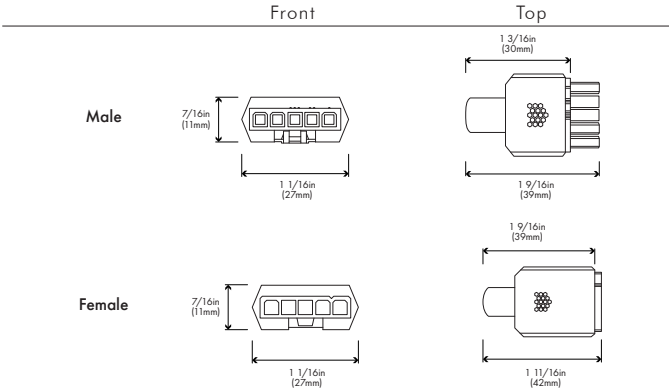
Pin Assignment
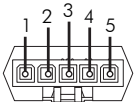
Male

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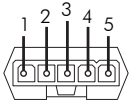
Female

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

modaLIGHT®
PRODUCT GUIDE

	FIXTURE	PART NUMBER	ORDERING SKU
1FT	Moda Mini Cove Interior Standard Output Silver DMX512 RGB 1FT	MMCI-S-S-RGB-1	105-1000
4FT	Moda Mini Cove Interior Standard Output Silver DMX512 RGB 4FT	MMCI-S-S-RGB-4	105-3000

ACCESSORIES	DESCRIPTION	PART NUMBER	ORDERING 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 10M	Power to first fixture of run	MLCI-EU-5PIN-W-10M	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 20FT	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
Mounting Track Connector	Interior track connector	N/A	299-3202
Symmetric Louver 1FT	Symmetric louver for light control	N/A	299-4320
Asymmetric Louver 1FT	Asymmetric louver for light control	N/A	299-4231
Honeycomb Louver 1FT	Honeycomb louver for light control	N/A	299-4232
Blade Louver 1FT	Blade louver for light control	N/A	299-4233

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