

Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

MODA Contact: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Type: \_\_\_\_\_ PO #: \_\_\_\_\_ Quantity: \_\_\_\_\_

Notes: \_\_\_\_\_



#### Miniature Line Voltage Graze Fixture.

MODA MINI GRAZE INTERIOR is an exciting brand new Wall Grazing Lighting System built upon our Award winning, patented, MINI COVE Series. 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.

Wall wash any indoor application with its integral linear optic of 30° x 100° for a perfect asymmetric beam pattern with no color over angle, no striations and no dark spots up to 20ft (6m). Achieve long single runs of up to 240 feet decreasing the number of wiring circuits required in an installation. Another step forward in this category of small sized fixtures is the Universal power input. We designed a small MODA Micro Driver specific for MINI GRAZE enabling it to accept 100-277V AC 50/60Hz, thus decreasing the number of SKUs needed to be held by any of our Worldwide distributors and giving the installer a choice of power inputs from one fixture.

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 GRAZE 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 GRAZE 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.

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## PHYSICAL

<b>Dimensions</b>	L: 1ft 3/32in (307.46mm)W: 1 1/4in(38mm) L: 4ft 1/8in (1.22m) H: 1 11/32in(34.5mm)
<b>Weights</b>	1ft: 0.38 lbs (0.17kg) 4ft: 1.22 lbs (0.55 kg)
<b>Applications</b>	Graze, Accent & Indirect General Illumination
<b>Construction</b>	6063 Aluminum Body, Polycarbonate Self-Locking Mounting Bracket and Optical Lens
<b>Ingress Protection</b>	Dry/Damp Location IP52
<b>Thermal Management</b>	MODA Aluminum Heat Sink
<b>Beam Angle</b>	30° X 100°
<b>Fixture Connections</b>	Integral Male & Female Connectors
<b>Operating Temperature</b>	-40°F ~ 122°F (-40°C ~ 50°C)
<b>Storage Temperature</b>	-40°F ~ 176°F (-40°C ~ 80°C)
<b>Humidity</b>	0-95% Non Condensing

## OUTPUT

<b>CCT &amp; SDCM</b>	1800K - 3000K 2 Step MacAdams Ellipse
<b>Color Bin Tolerance</b>	Single Bin
<b>CRI</b>	97
<b>Lumen Maintenance</b>	90,000 Hours L50 @ 25°C 70,000 Hours L50 @ 50°C
<b>Testing Data</b>	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

<b>Input Voltage</b>	100-277V AC 50Hz/60Hz
<b>Control</b>	DMX 512 Controlled
<b>Power Factor</b>	≥ 0.98

## MODA TECHNOLOGY

moda**SOFTWARE**<sup>™</sup>

moda**HARDWARE**<sup>™</sup>

moda**DMX**<sup>™</sup>

moda**LED**<sup>™</sup>

moda**MICRO DRIVER**<sup>™</sup>

moda**PHOSPHOR**<sup>™</sup>

moda**ZERO BIN**<sup>™</sup>

moda**THERMAL MANAGEMENT**<sup>™</sup>

moda**HIGH CRI**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

moda**COLOR RENDITION**<sup>™</sup>

moda**LOCK**<sup>™</sup>

moda**KWIK CONNECT**<sup>™</sup>

moda**DYNAMIC WHITE**

moda**LINEAR OPTIC**<sup>™</sup>



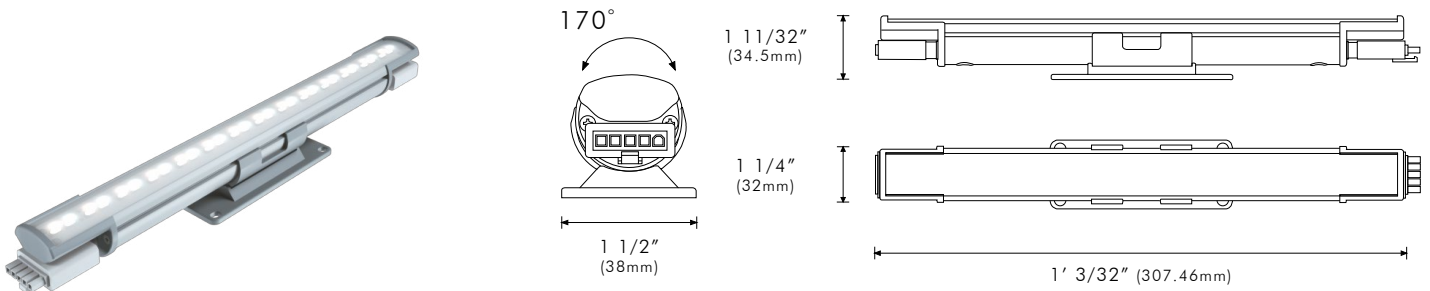
RoHS ✓



**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



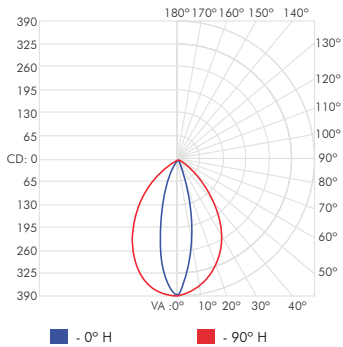
## DMX

Output	Lumens	CRI	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
2200K - 6500K	339.46	97-98	58.52	54.75	54.75

## Power Consumption

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

## Polar Candela Distribution (2200K)



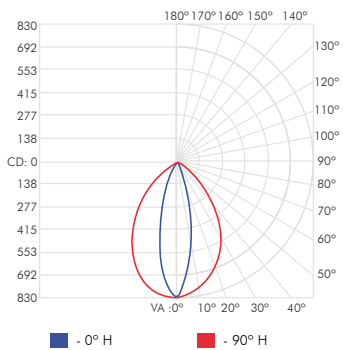
## Illuminance at a Distance (2200K)

	Center Beam FC	Beam Width
2.0 ft	3.31 fc	8.9 ft 5.6 ft
4.0 ft	0.83 fc	18.1 ft 11.3 ft
6.0 ft	0.41 fc	27.0 ft 16.9 ft
8.0 ft	0.21 fc	36.1 ft 22.5 ft
10.0 ft	0.10 fc	45.1 ft 28.2 ft
12.0 ft	0.08 fc	54.1 ft 33.8 ft

## Max Continuous Run

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

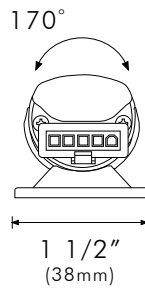
## Polar Candela Distribution (6500K)



## Illuminance at a Distance (6500K)

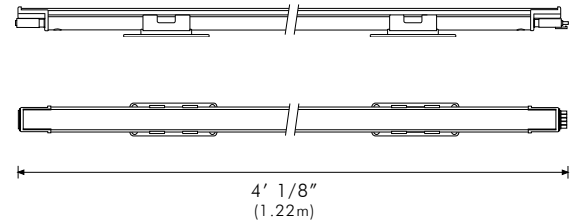
	Center Beam FC	Beam Width
2.0 ft	5.40 fc	8.9 ft 5.6 ft
4.0 ft	1.35 fc	18.1 ft 11.3 ft
6.0 ft	0.68 fc	27.0 ft 16.9 ft
8.0 ft	0.34 fc	36.1 ft 22.5 ft
10.0 ft	0.17 fc	45.1 ft 28.2 ft
12.0 ft	0.14 fc	54.1 ft 33.8 ft

▲ Vert. Spread: 25.9° ▲ Horiz. Spread: 76.2°



1 11/32"  
(34.5mm)

1 1/4"  
(32mm)



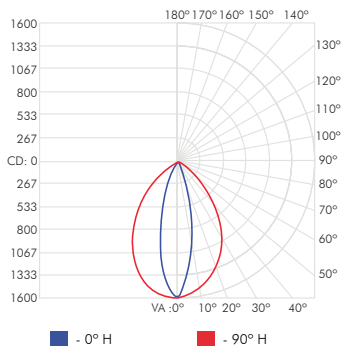
## DMX

Output	Lumens	CRI	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
2200K - 6500K	1357.82	97-98	77.51	77.51	76.80

## Power Consumption

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

## Polar Candela Distribution (2200K)



## Illuminance at a Distance (2200K)

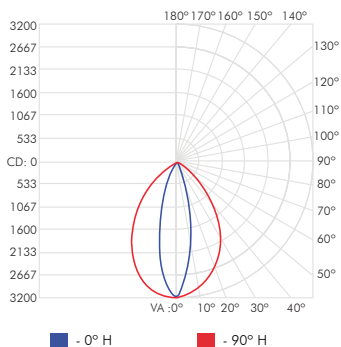
	Center Beam FC	Beam Width
2.0 ft	13.22 fc	8.9 ft 5.6 ft
4.0 ft	3.31 fc	18.1 ft 11.3 ft
6.0 ft	1.65 fc	27.0 ft 16.9 ft
8.0 ft	0.83 fc	36.1 ft 22.5 ft
10.0 ft	0.41 fc	45.1 ft 28.2 ft
12.0 ft	0.33 fc	54.1 ft 33.8 ft

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

## Max Continuous Run

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

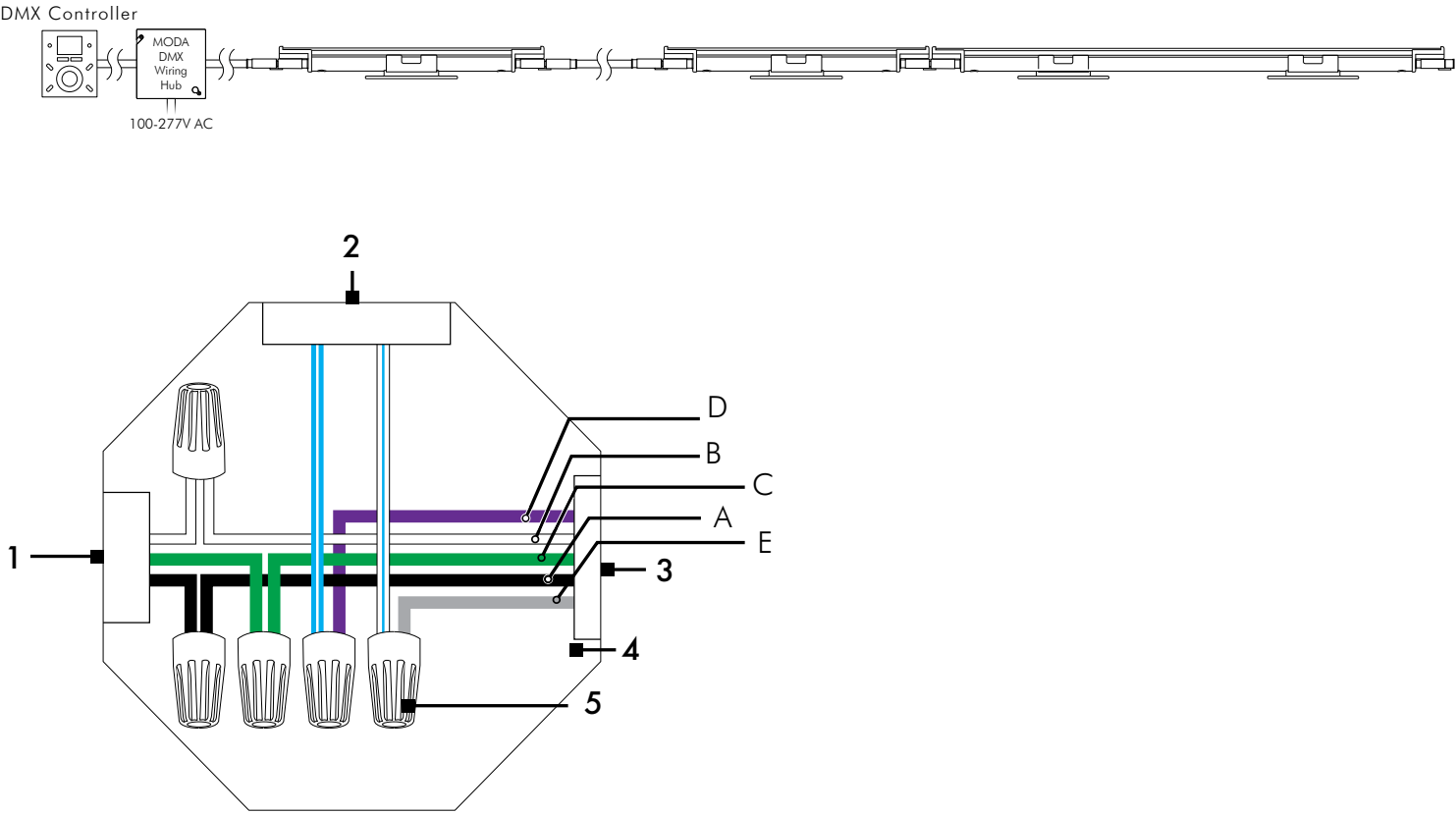
## Polar Candela Distribution (6500K)



## Illuminance at a Distance (6500K)

	Center Beam FC	Beam Width
2.0 ft	20.44 fc	8.9 ft 5.6 ft
4.0 ft	5.11 fc	18.1 ft 11.3 ft
6.0 ft	2.56 fc	27.0 ft 16.9 ft
8.0 ft	1.28 fc	36.1 ft 22.5 ft
10.0 ft	0.64 fc	45.1 ft 28.2 ft
12.0 ft	0.51 fc	54.1 ft 33.8 ft

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



Wiring Legend

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

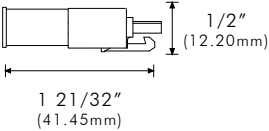
5 Pin Leader Cable

	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

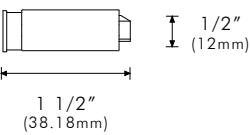
\*Not illustrated

0-10V Connectors

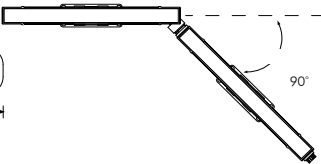
Male Output

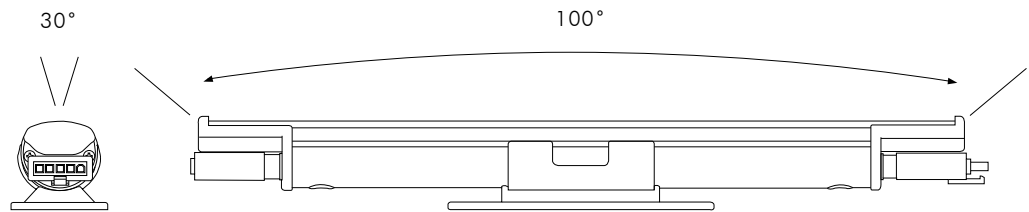


Female Output



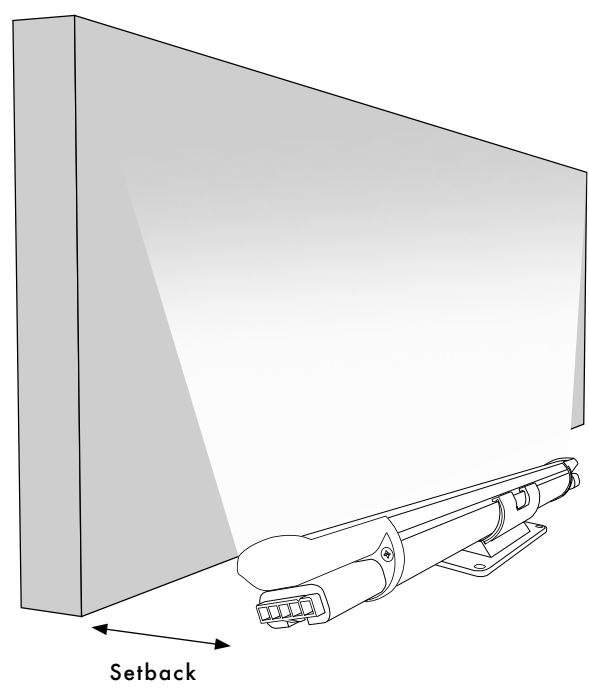
Angle Adjustment





**Wallwash Optic.**

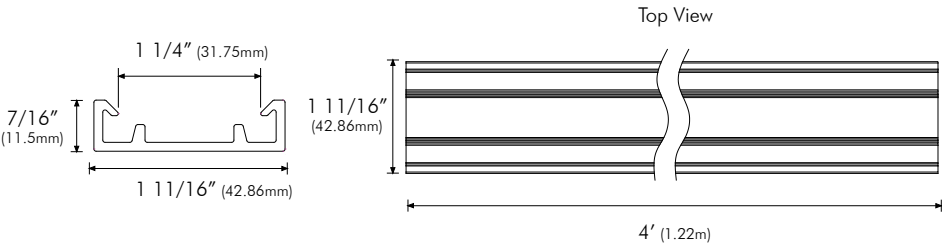
Wall wash any indoor application with its integral linear optic of 30° x 100° for a precise beam pattern with no color over angle, no striations and no dark spots up to 20ft (6m).



**Setback Chart**

10ft Wall	1ft
15ft Wall	1.5ft
20ft Wall	2ft

**Recommended Setback from wall is 1/8 of wall height.**



## MODA MINI GRAZE MOUNTING TRACK

### Mounting Mini Graze.

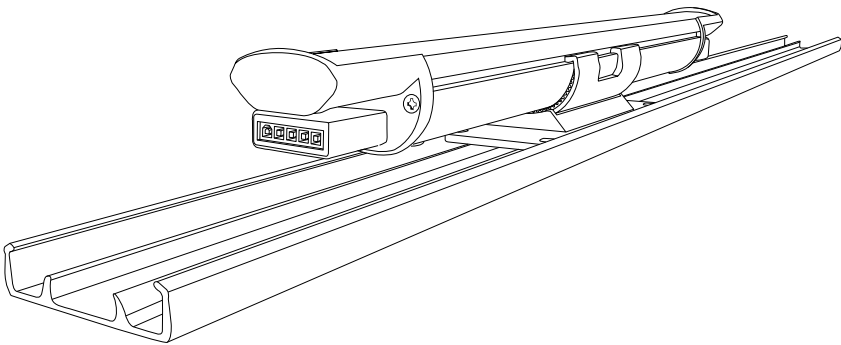
Allows users to install Moda Mini Graze fixtures in a continuous linear position. Moda Mini Graze Mounting Tracks come packaged in 5 pieces of 4ft sections to create a continuous run of 20ft.

### Options

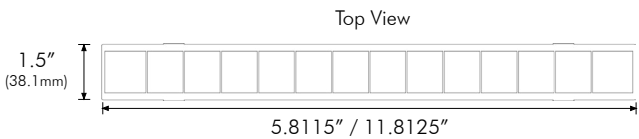
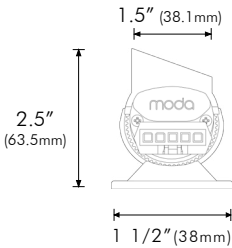
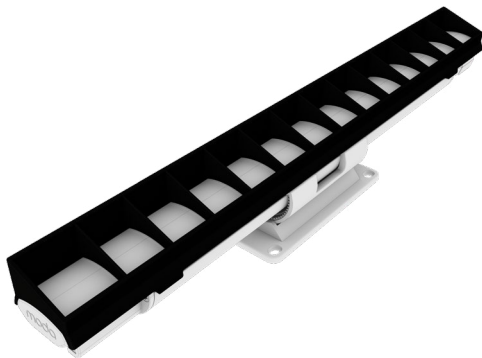
Finish	G - Gray
Length	4ft - 4' Sections
Quantity	5 Pieces (20ft)

### Physical

Applications	Graze, Accent
Construction	Polycarbonate







MODA MINI COVE LOUVRES ASYMMETRIC

Asymmetric Mini Cove.

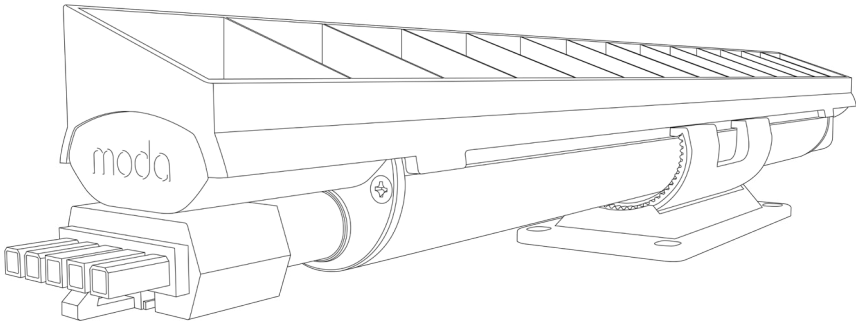
Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. For four foot fixtures use four of these louvres.

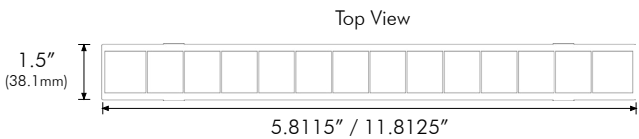
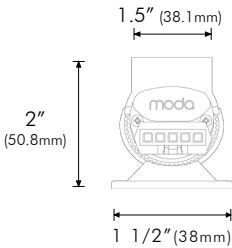
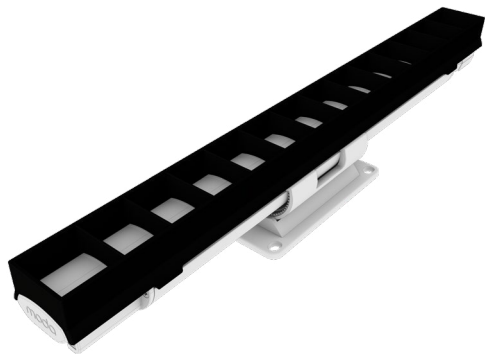
Options

Finish	B - BLACK
Length	1ft

Physical

Applications	Cove, Accent, Graze
Construction	ABS





MODA MINI COVE LOUVRES SYMMETRIC

Symmetric Mini Cove.

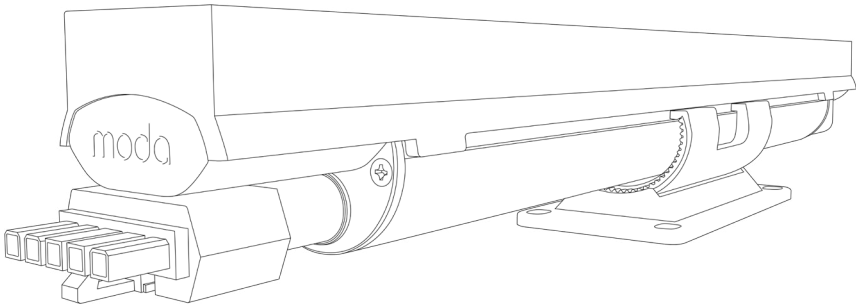
Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. For four foot fixtures use four of these louvres.

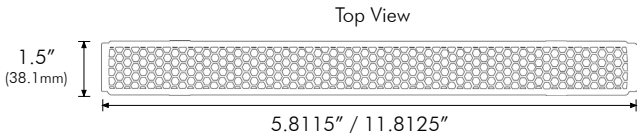
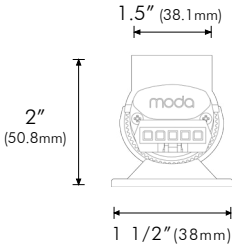
Options

Finish	B - BLACK
Length	1ft

Physical

Applications	Cove, Accent, Graze
Construction	ABS



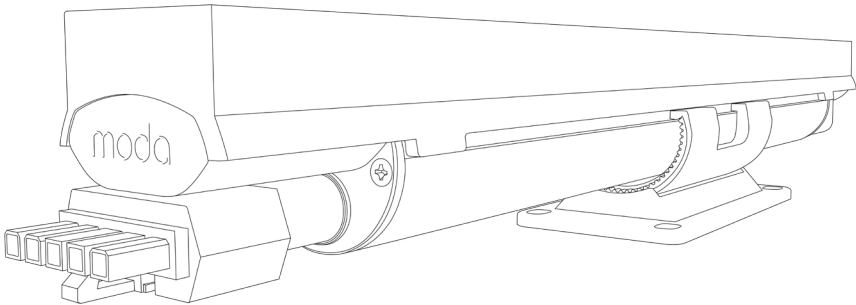


MODA MINI COVE LOUVRES HONEYCOMB

Honeycomb Mini Cove.

Provides light control and cutoff of glare for cove and wall grazing semi direct view applications. For four foot fixtures use four of these louvres.

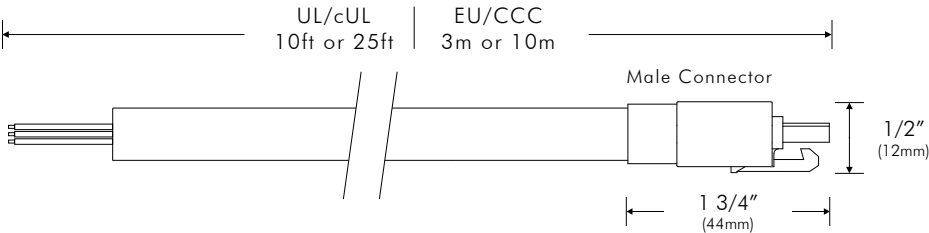
Options	
Finish	B - BLACK
Length	1ft
Physical	
Applications	Cove, Accent, Graze
Construction	ABS



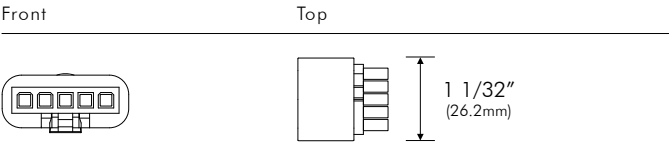
0-10V LEADER CABLES

Moda Mini Graze Interior 5 Pin Leader Cables

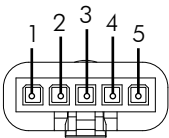
	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 10m
Color	White	White



Male Connector



Pin Assignment

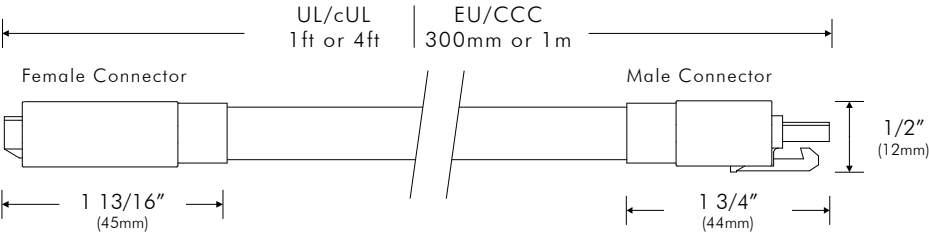


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/ Yellow
4	Data Positive	Purple	Black
5	Data Negative	Gray	Gray

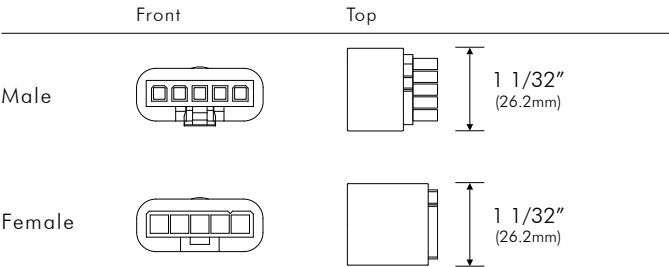
0-10V JUMPER CABLES

Moda Mini Graze Interior 5 Pin Jumper Cables

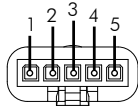
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	White	White



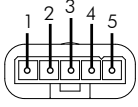
Connectors



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



		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

FIXTURE		ORDERING NUMBER	SKU
1 FT	Moda Mini Graze Interior Standard Output Silver DMX 512 Dynamic White HCRI 1FT	MMGI-S-S-DWH-1	146-1003
4 FT	Moda Mini Graze Interior Standard Output Silver DMX 512 Dynamic White HCRI 4FT	MMGI-S-S-DWH-4	146-3003

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
Symmetric Louvre	1ft Symmetric louvre for light control	N/A	299-4230
Asymmetric Louvre	1ft Asymmetric louvre for light control	N/A	299-4231
Honeycomb Louvre	1ft Honeycomb louvre for light control	N/A	299-4232

CONTROLS	DESCRIPTION	ORDERING NUMBER	PART NUMBER
Kandi Touch	DMX 512 Controller	KND-TCH-B KND-TCH-W	250-0040 250-0041

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