

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 DMX 512 controllable color changing fixtures. Utilizing the same small fixture 1 5/16" (33mm) 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 makes 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 Wiring Hubs 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.

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## 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	2700K, 3000K, 3500K, 4000K
SDCM	2 Step MacAdam Ellipse RGB-N/A
Color Bin Tolerance	Zero Bin
Wavelength	Variable for RGBW
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

## DIMMING

	Outputs Available
1 Foot	SO
4 Foot	SO

## 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**AIRFLOW**<sup>™</sup>

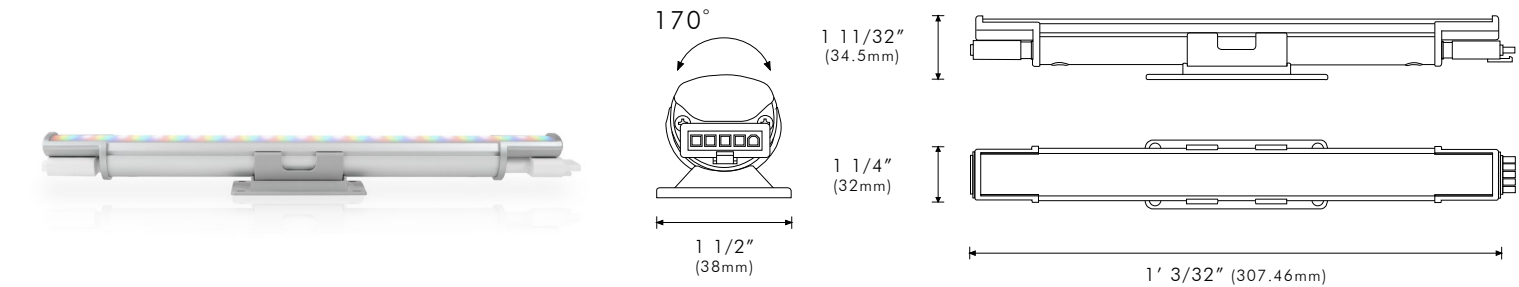
moda**COLOR RENDITION**<sup>™</sup>

moda**LOCK**<sup>™</sup>

moda**KWIK CONNECT**<sup>™</sup>



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

	Lumens	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
Red	27.30	4.62	4.33	4.20
Green	59.23	10.03	9.40	9.11
Blue	15.94	2.70	2.53	2.45
RGB	120.47	20.41	19.12	18.53
RGB27K	210.36	35.65	33.39	32.36
RGB3K	256.91	43.54	40.77	39.52
RGB35K	261.56	44.33	41.51	40.24
RGB4K	284.74	48.26	45.19	43.80

SO Power Consumption

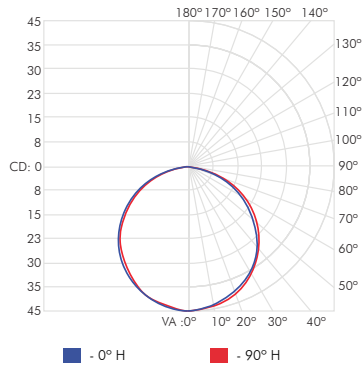
120V	5.9W
240V	6.3W
277V	6.5W

SO Max Continuous Run

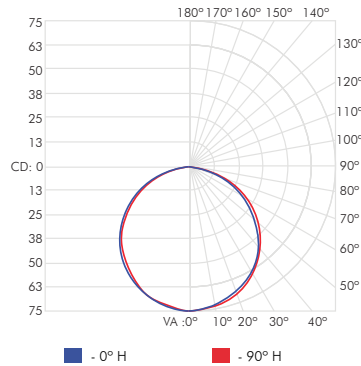
120V AC	120 ft
240V AC	240 ft
277V AC	240 ft

## POLAR CANDELA DISTRIBUTION

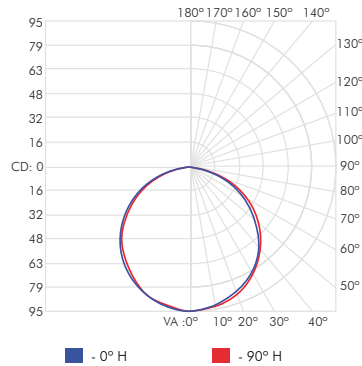
### RGB



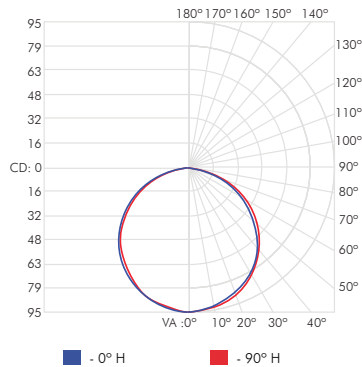
### RGB27K



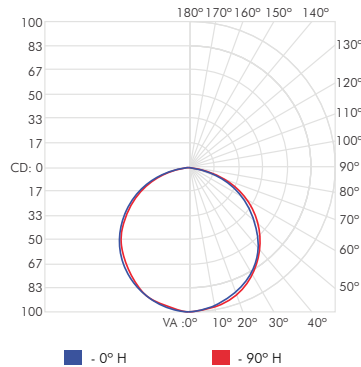
### RGB3K



### RGB35K

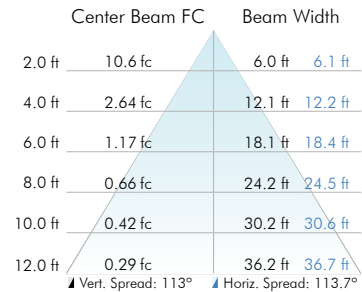


### RGB4K

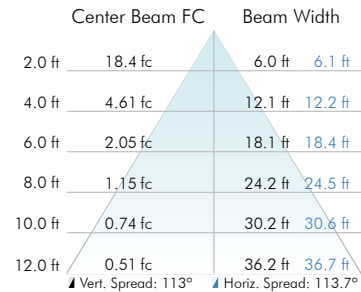


## ILLUMINANCE AT A DISTANCE

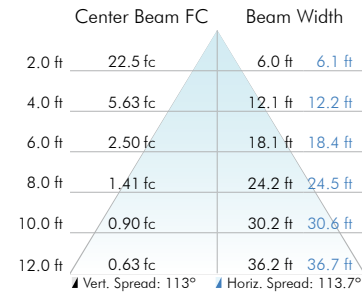
### RGB



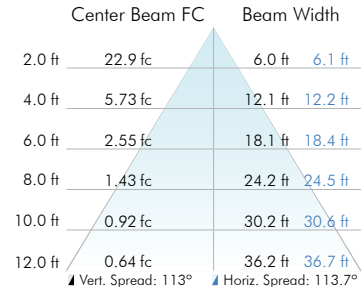
### RGB27K



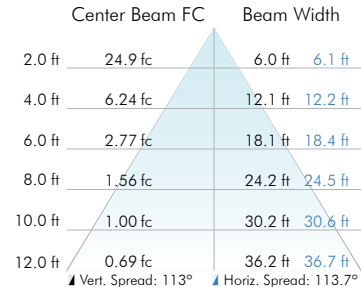
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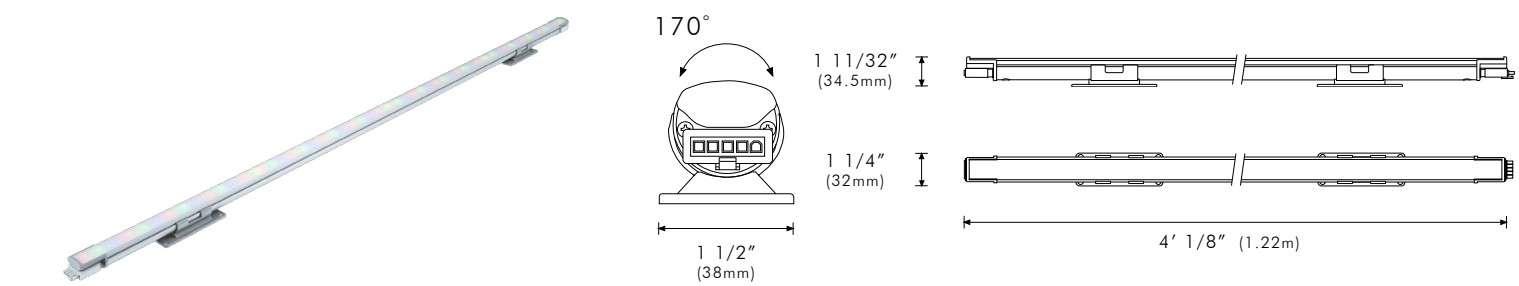


### RGB35K



### RGB4K





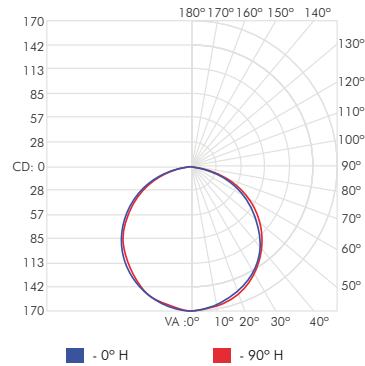
DMX

	Lumens	Efficacy (120V)	Efficacy (240V)	Efficacy (277V)
Red	109.20	4.96	4.94	4.91
Green	236.92	10.76	10.72	10.67
Blue	63.76	2.89	2.88	2.87
RGB	481.88	21.90	21.80	21.70
RGB27K	841.44	38.24	38.07	37.90
RGB3K	1027.64	46.71	46.49	46.29
RGB35K	1046.24	47.55	47.34	47.12
RGB4K	1138.96	51.77	51.53	51.30

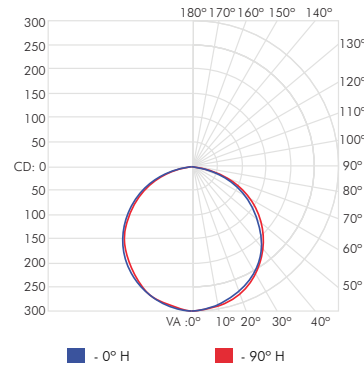
SO Power Consumption		SO Max Continuous Run	
120V	22W	120V AC	120 ft
240V	22.1W	240V AC	240 ft
277V	22.2W	277V AC	240 ft

## POLAR CANDELA DISTRIBUTION

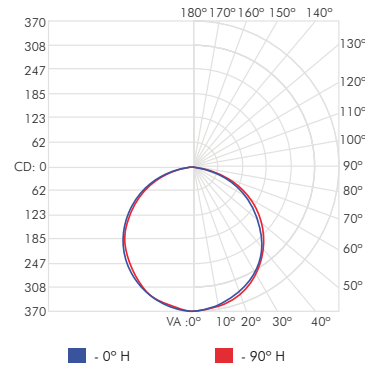
RGB



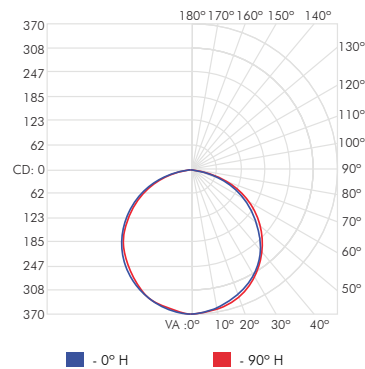
RGB27K



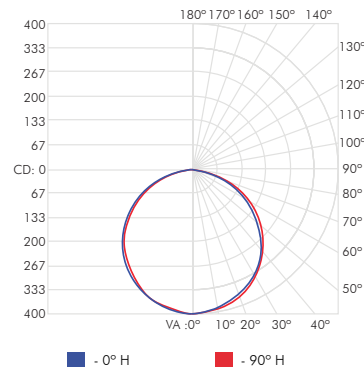
RGB3K



RGB35K



RGB4K



## ILLUMINANCE AT A DISTANCE

RGB

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

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

RGB27K

The diagram illustrates a beam spread from a central point. A light blue triangle represents the beam's footprint. The vertical spread is indicated by a double-headed arrow on the left, and the horizontal spread is indicated by a double-headed arrow at the bottom. The table below provides the dimensions at various heights.

Center Beam FC		Beam Width	
2.0 ft	73.7 fc	6.0 ft	6.1 ft
4.0 ft	18.4 fc	12.1 ft	12.2 ft
6.0 ft	8.19 fc	18.1 ft	18.4 ft
8.0 ft	4.61 fc	24.2 ft	24.5 ft
10.0 ft	2.95 fc	30.2 ft	30.6 ft
12.0 ft	2.05 fc	36.2 ft	36.7 ft

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

RGB3K

Center Beam FC		Beam Width	
2.0 ft	90.0 fc	6.0 ft	6.1 ft
4.0 ft	22.5 fc	12.1 ft	12.2 ft
6.0 ft	10.0 fc	18.1 ft	18.4 ft
8.0 ft	5.63 fc	24.2 ft	24.5 ft
10.0 ft	3.60 fc	30.2 ft	30.6 ft
12.0 ft	2.50 fc	36.2 ft	36.7 ft

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

RGB35K

The diagram illustrates the geometry of a 113° beam spread. It features a central light blue triangle with a vertical height of 12.0 ft. The vertical spread is 113°. The horizontal spread is 113.7°. The diagram is divided into two main sections: 'Center Beam FC' on the left and 'Beam Width' on the right. The 'Center Beam FC' section shows the distance from the center beam to the footcandle (fc) at various heights. The 'Beam Width' section shows the beam width in feet at various heights.

Height (ft)	Center Beam FC (ft)	Beam Width (ft)
2.0	91.7	6.0
4.0	22.9	12.1
6.0	10.2	18.1
8.0	5.73	24.2
10.0	3.67	30.2
12.0	2.55	36.2

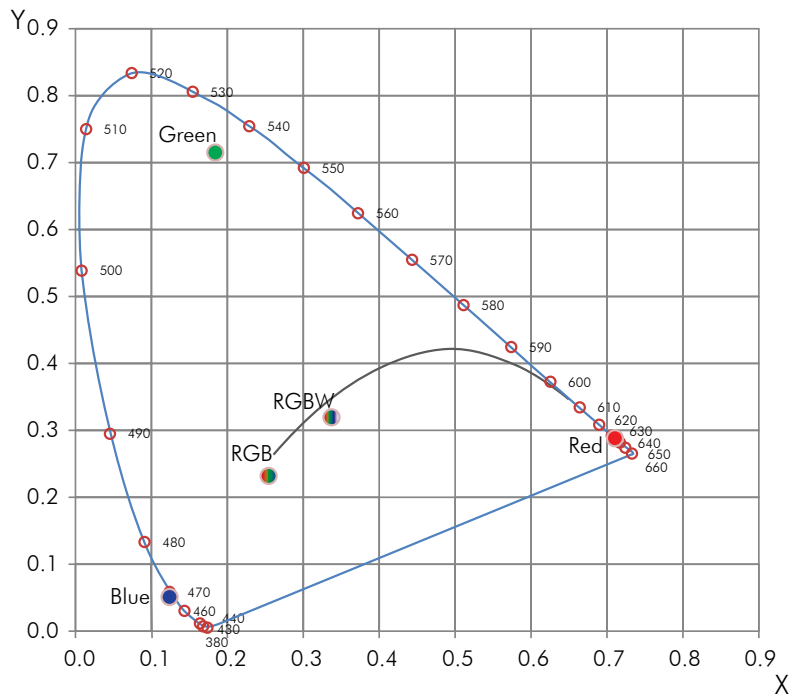
Vertical Spread: 113°  
Horizontal Spread: 113.7°






RGB4K

The diagram illustrates a beam spread from a central point. It features a light blue triangle with a vertical height of 113° and a horizontal spread of 113.7°. The vertical spread is labeled 'Vert. Spread: 113°' and the horizontal spread is labeled 'Horiz. Spread: 113.7°'. The beam width is shown at various heights, with the following data:

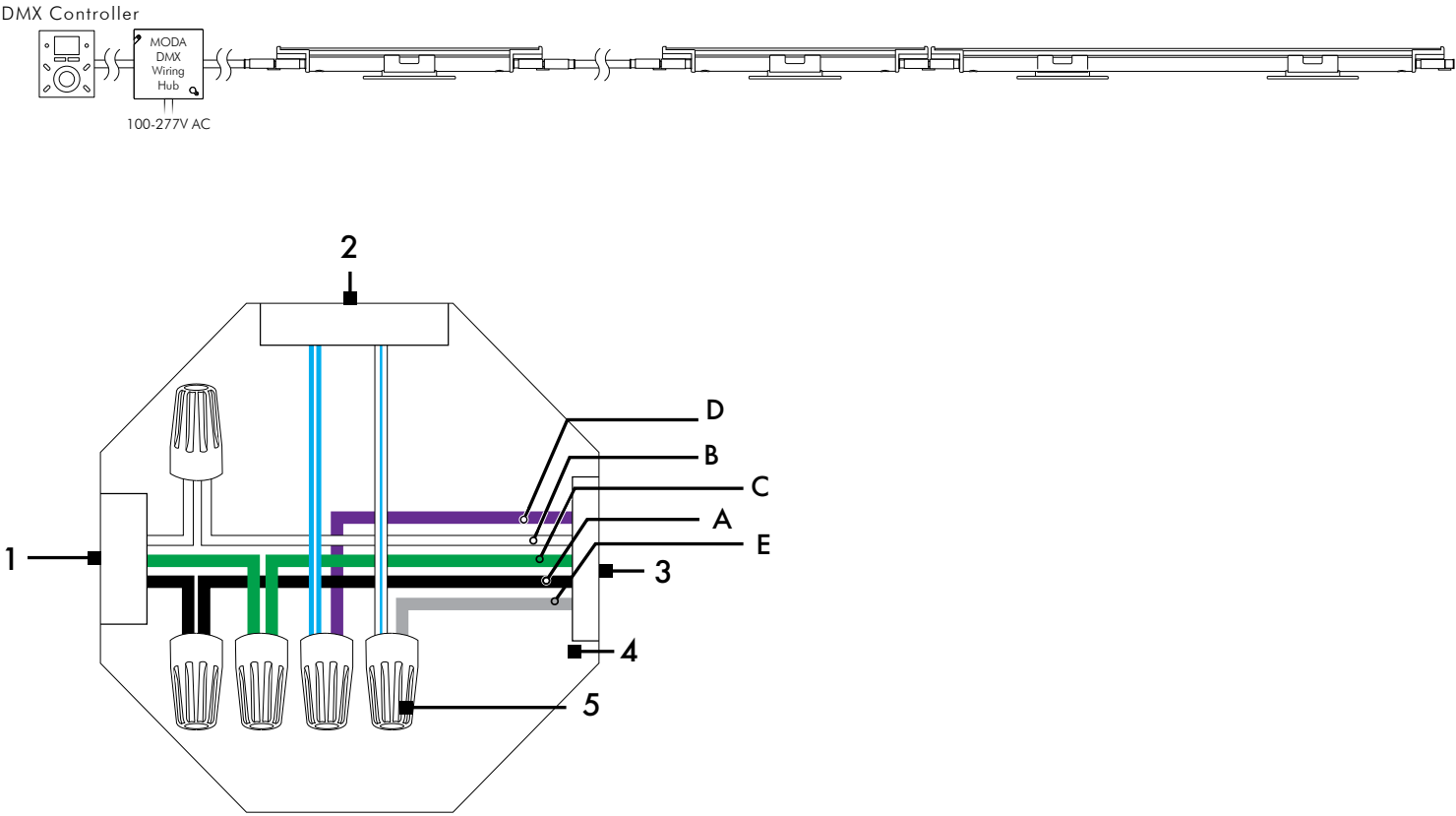
Height (ft)	Center Beam FC (ft)	Beam Width (ft)
2.0	99.8	6.0
4.0	24.9	12.1
6.0	11.1	18.1
8.0	6.24	24.2
10.0	3.99	30.2
12.0	2.77	36.2

CIE 1931 CHROMATICITY DIAGRAM



Color	Coordinates	Wavelength
 Red	x: 0.7061 y: 0.2927 u: 0.5538 v: 0.5165	641nm
 Green	x: 0.1834 y: 0.7221 u: 0.0649 v: 0.5752	523nm
 Blue	x: 0.1385 y: 0.0517 u: 0.1657 v: 0.1392	466nm
 RGB	x: 0.2567 y: 0.2360 u: 0.1931 v: 0.3994	642nm
 RGBW	x: 0.3436 y: 0.3206 u: 0.2231 v: 0.4684	643nm















Wiring Legend

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

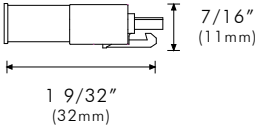
5 Pin Leader Cable

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

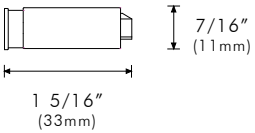
\*Not illustrated

DMX Connectors

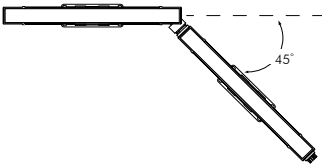
Male Output

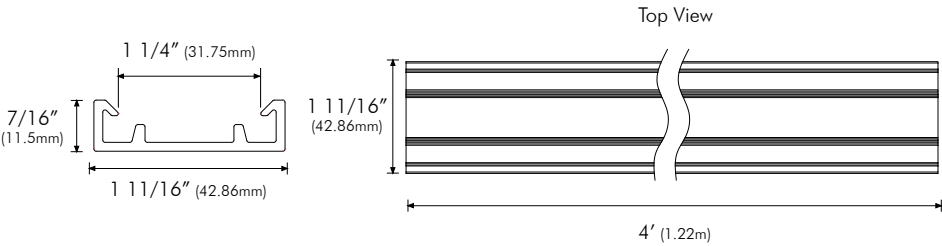


Female Output



Angle Adjustment





MODA MINI COVE MOUNTING TRACK

Mounting Mini Cove.

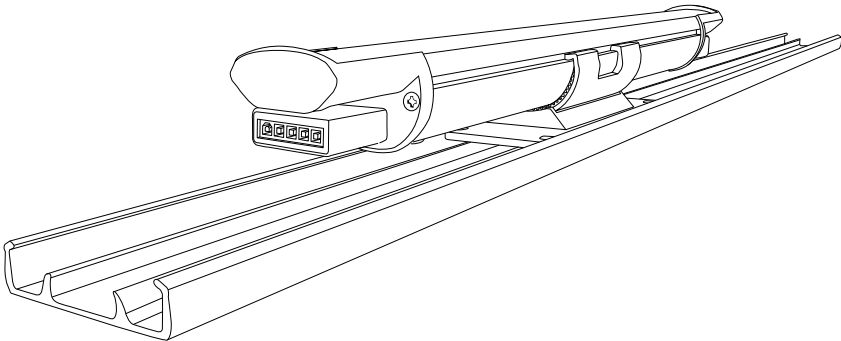
Allows users to install Moda Mini Cove fixtures in a continuous linear position. Moda Mini Cove Mounting Tracks come packaged in 5 pieces of 4ft sections to create a continuous run of 20ft.

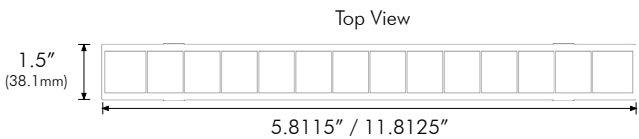
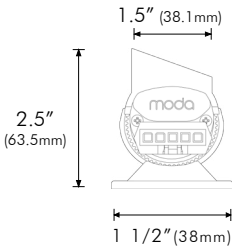
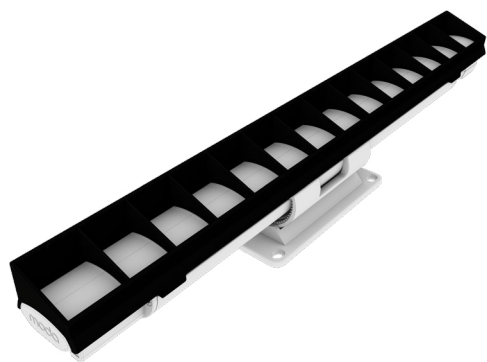
Options

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

Physical

Applications	Cove, Accent
Construction	Polycarbonate





MODA MINI COVE LOUVRES ASYMMETRIC

Asymmetric Mini Cove.

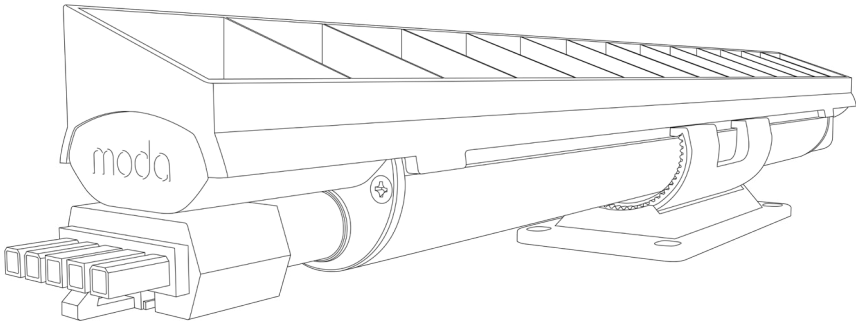
Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. For four foot fixtures use four of these louvres.

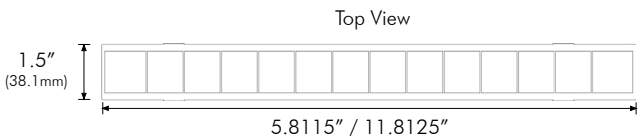
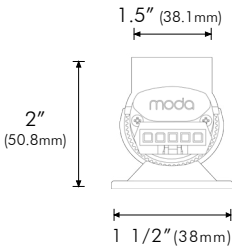
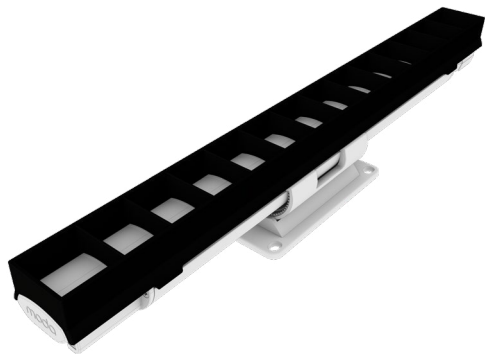
Options

Finish	B - BLACK
Length	1ft

Physical

Applications	Cove, Accent, Graze
Construction	ABS





MODA MINI COVE LOUVRES SYMMETRIC

Symmetric Mini Cove.

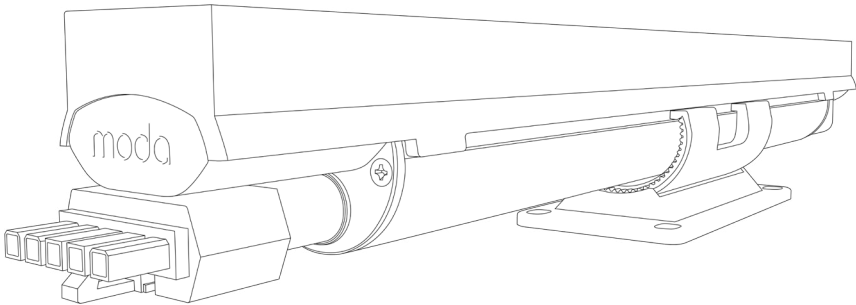
Provides light control and cutoff of glare for cove and wall grazing applications without causing significant light loss. For four foot fixtures use four of these louvres.

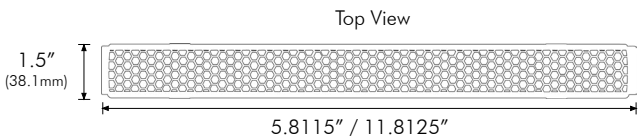
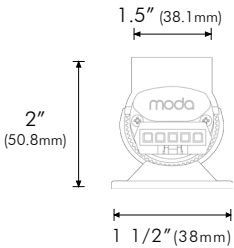
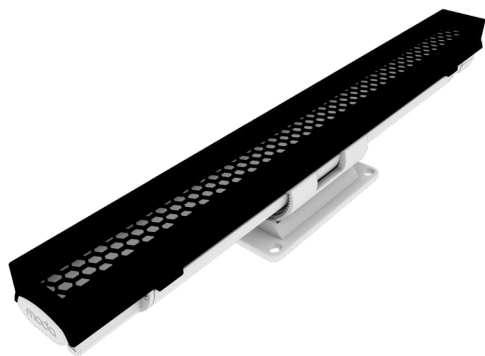
Options

Finish	B - BLACK
Length	1ft

Physical

Applications	Cove, Accent, Graze
Construction	ABS



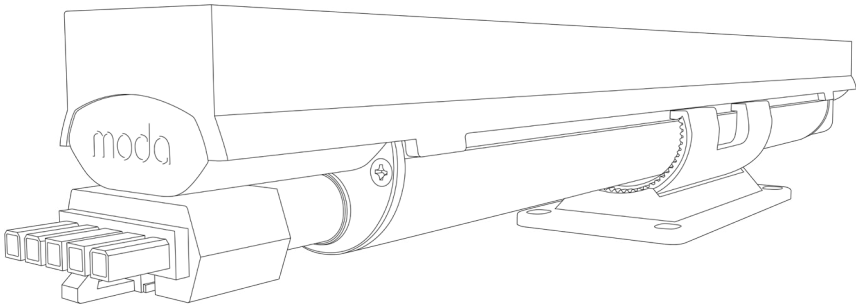


MODA MINI COVE LOUVRES HONEYCOMB

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.

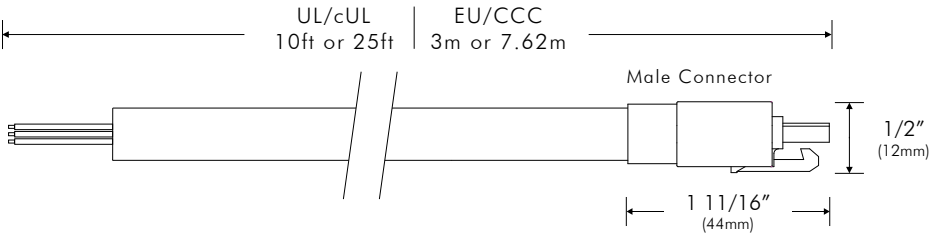
Options	
Finish	B - BLACK
Length	1ft
Physical	
Applications	Cove, Accent, Graze
Construction	ABS



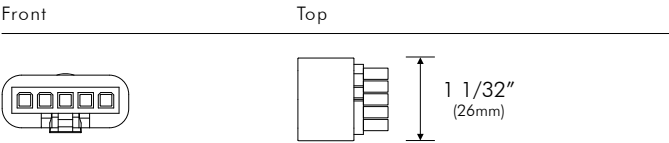
DMX LEADER CABLES

Moda Mini Cove Interior 5 Pin Leader Cables

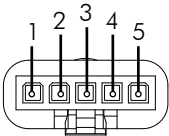
	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 7.62m
Color	White	White



Male Connector



Pin Assignment

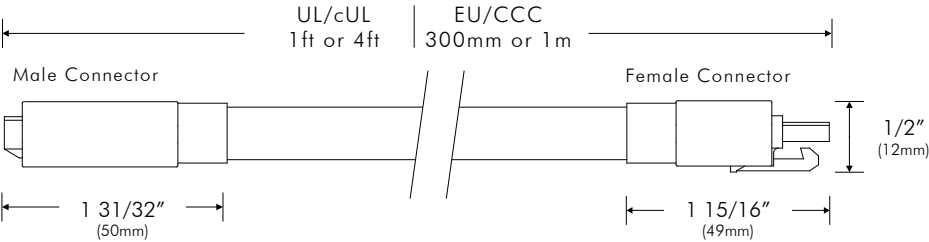


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/ Yellow
4	Data Positive	Purple	Black
5	Data Negative	Gray	Gray

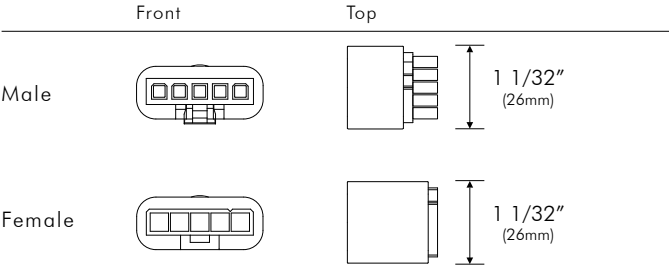
DMX JUMPER CABLES

Moda Mini Cove Interior 5 Pin Jumper Cables

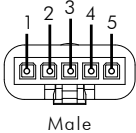
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	White	White



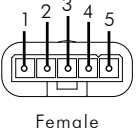
Connectors



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	PART NUMBER
1 FT	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 2700K HCRI 1FT	MMCI-S-S-DMX512-RGB27-1	105-1205
	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 3000K HCRI 1FT	MMCI-S-S-DMX512-RGB30-1	105-1206
	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 3500K HCRI 1FT	MMCI-S-S-DMX512-RGB35-1	105-1208
	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 4000K HCRI 1FT	MMCI-S-S-DMX512-RGB40-1	105-1209
4 FT	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 2700K HCRI 4FT	MMCI-S-S-DMX512-RGB27-4	105-3205
	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 3000K HCRI 4FT	MMCI-S-S-DMX512-RGB30-4	105-3206
	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 3500K HCRI 4FT	MMCI-S-S-DMX512-RGB35-4	105-3208
	Moda Mini Cove Interior Standard Output Silver DMX 512 RGBW 4000K HCRI 4FT	MMCI-S-S-DMX512-RGB40-4	105-3209

ACCESSORIES	DESCRIPTION	ORDERING NUMBER	PART NUMBER
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	250-0040
	Available in black and white	KND-TCH-W	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