

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

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

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

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



### Miniature Line Voltage Cove Fixture.

Our multi award winning MODA MINI GRAZE<sup>®</sup> 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 splitters, 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

Lengths	1ft & 4ft sections available
Applications	Graze, 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	30° x 100°
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	RGBA - N/A
Color Bin Tolerance	Single Bin
Wavelength	Variable for RGBA
Lumen Maintenance	90,000 Hours L50 @ 25°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Control	DMX 512 Controlled
Power Factor	≥ 0.98
Emergency	N/A

## DIMMING

	Outputs Available
1 Foot	SO, HO
4 Foot	SO, HO

## MODA TECHNOLOGY

moda**SOFT**<sup>™</sup>

moda**DIM**<sup>™</sup>

moda**CUE**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

moda**MICRO DRIVER**<sup>™</sup>

moda**PHOSPHOR**<sup>™</sup>

moda**BIN**<sup>™</sup>

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

moda**HIGH CRI**

moda**LOCK**<sup>™</sup>

moda**KWIK CONNECT**<sup>™</sup>



### Certification

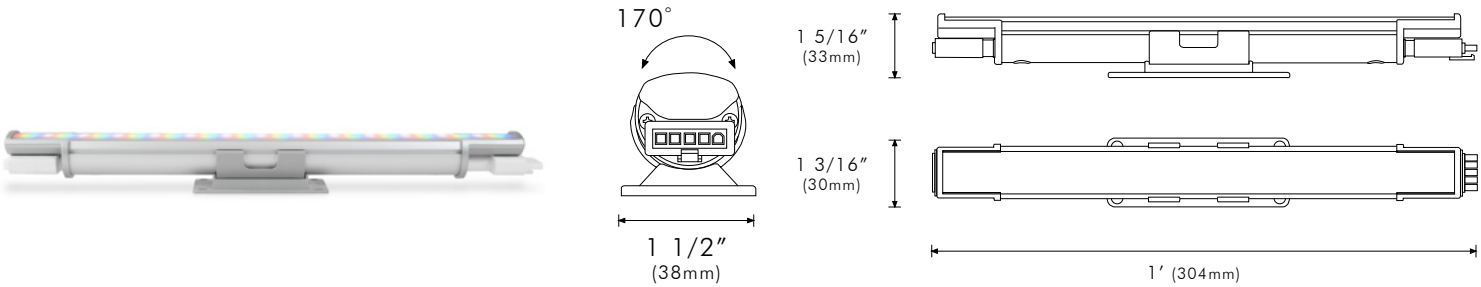
Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, CCC, C-Tick, RoHS, & WEEE Compliant.

### Class

1

### Warranty

5 Year Limited Warrant



DMX

	Lumens	Efficacy
Red	26.21	2.62
Green	56.86	5.69
Blue	15.30	1.53
Amber	113.44	11.34
RGB	115.65	11.57
RGBA	229.09	22.91

Illuminance at a Distance (RGBA)

	Center Beam FC	Beam Width
2.0 ft	2.48 fc	8.9 ft 5.6 ft
4.0 ft	0.62 fc	18.1 ft 11.3 ft
6.0 ft	0.31 fc	27.0 ft 16.9 ft
8.0 ft	0.15 fc	36.1 ft 22.5 ft
10.0 ft	0.08 fc	45.1 ft 28.2 ft
12.0 ft	0.06 fc	54.1 ft 33.8 ft

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

SO Power Consumption

120V	5W
277V	6.5W

HO Power Consumption

120V	10W
277V	13W

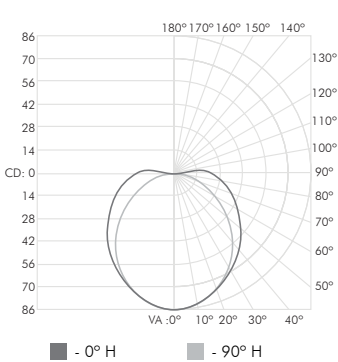
SO Max Run Lengths

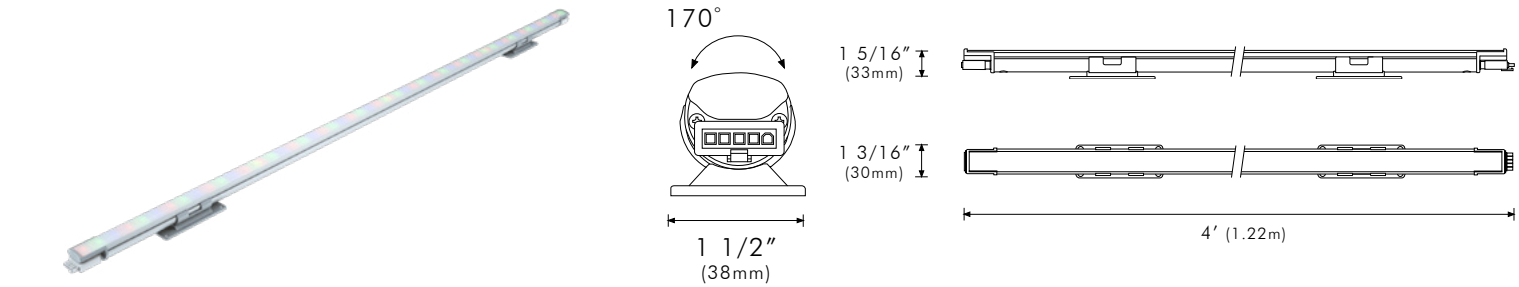
1ft using 120V AC	120 ft
1ft using 277V AC	240 ft

HO Max Run Lengths

1ft using 120V AC	50 ft
1ft using 277V AC	100 ft

Polar Candela Distribution (RGBA)





DMX

	Lumens	Efficacy
Red	104.83	2.62
Green	227.44	5.69
Blue	61.21	1.53
Amber	453.77	11.34
RGB	462.60	11.57
RGBA	954.56	22.91

Illuminance at a Distance(RGBA)

	Center Beam FC	Beam Width
2.0 ft	9.91 fc	8.9 ft 5.6 ft
4.0 ft	2.48 fc	18.1 ft 11.3 ft
6.0 ft	1.24 fc	27.0 ft 16.9 ft
8.0 ft	0.62 fc	36.1 ft 22.5 ft
10.0 ft	0.31 fc	45.1 ft 28.2 ft
12.0 ft	0.25 fc	54.1 ft 33.8 ft

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

SO Power Consumption

120V	19W
277V	20W

HO Power Consumption

120V	40W
277V	52W

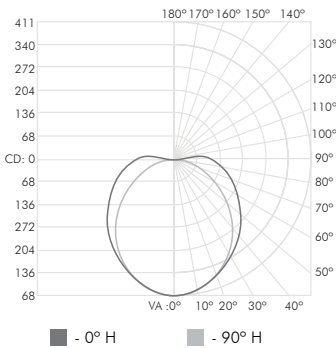
SO Max Run Lengths

4ft using 120V AC	120 ft
4ft using 277V AC	240 ft

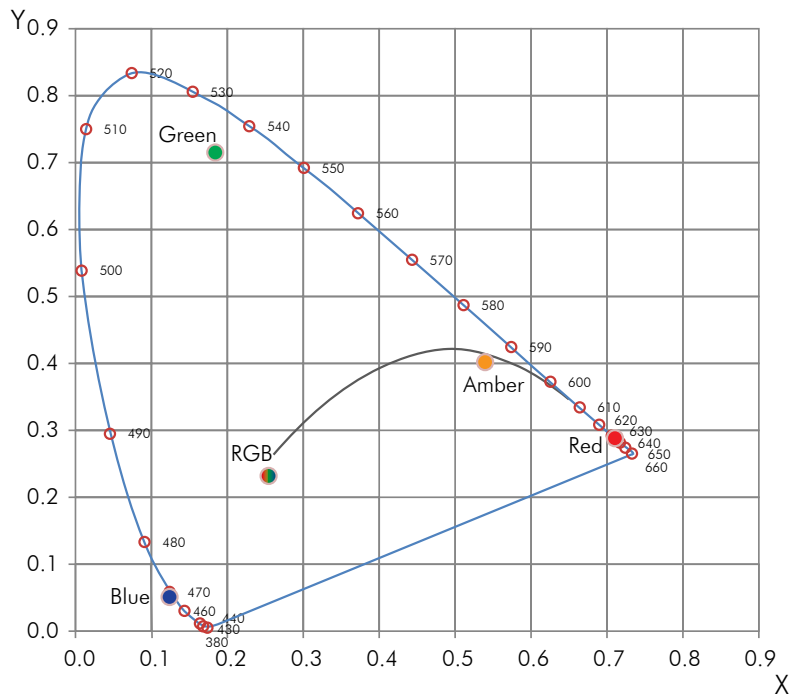
HO Max Run Lengths

4ft using 120V AC	50 ft
4ft using 277V AC	100 ft

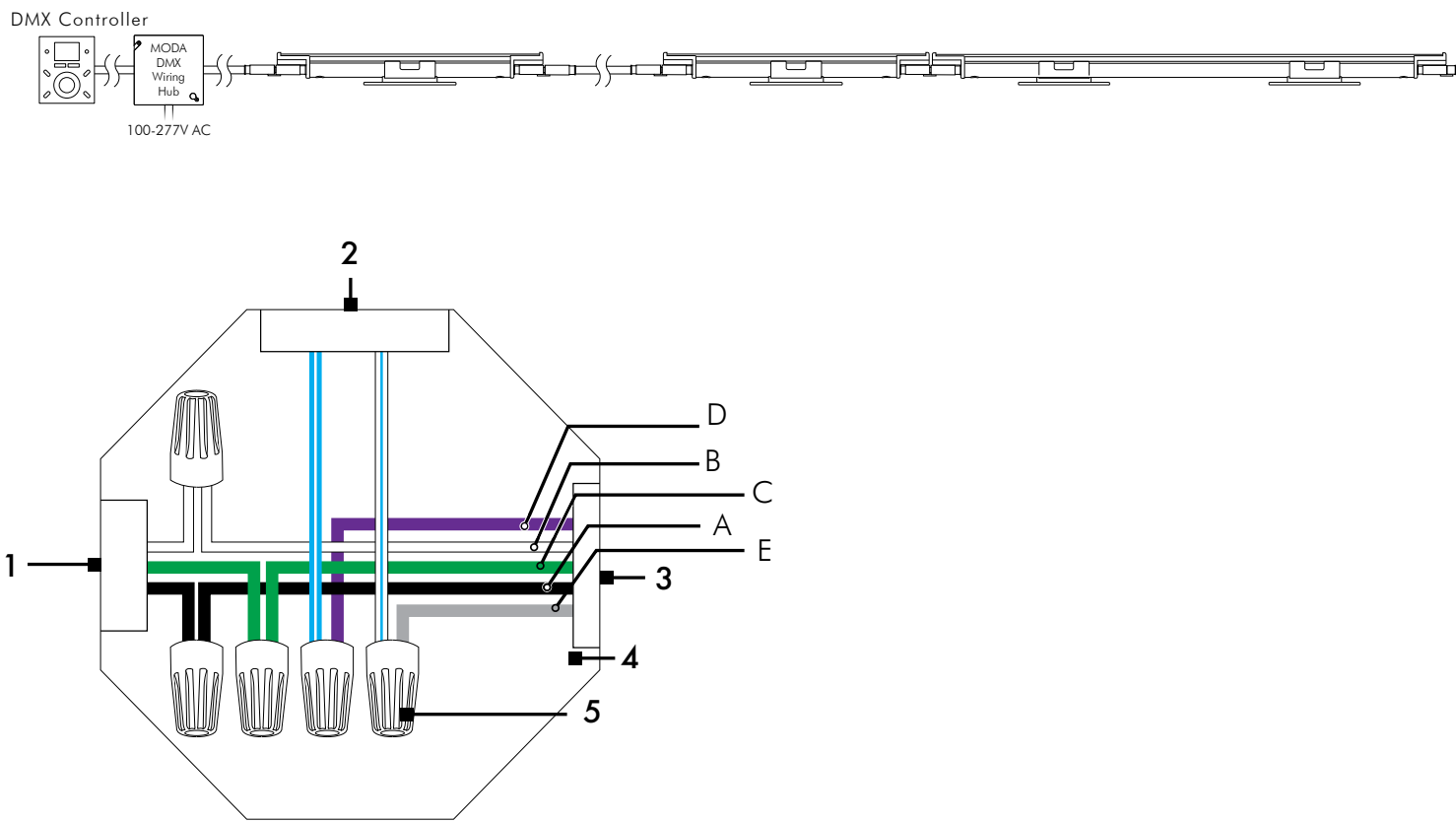
Polar Candela Distribution(RGBA)



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
Amber	x: 0.5415 y: 0.4189 u: 0.3145 v: 0.5412	611nm
RGB	x: 0.2567 y: 0.2360 u: 0.1931 v: 0.3994	642nm



Wiring Legend

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

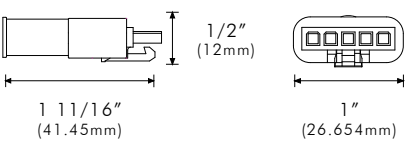
5 Pin Leader Cable

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

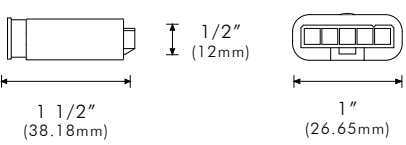
\*Not illustrated

0-10V Connectors

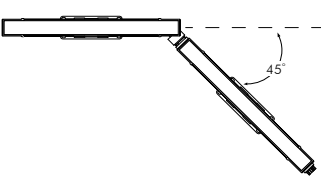
Male Output

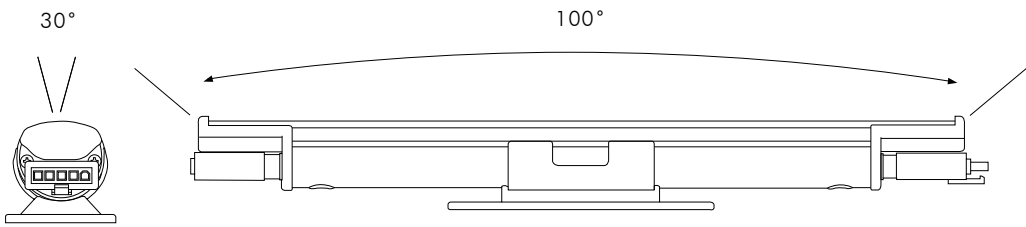


Female Output



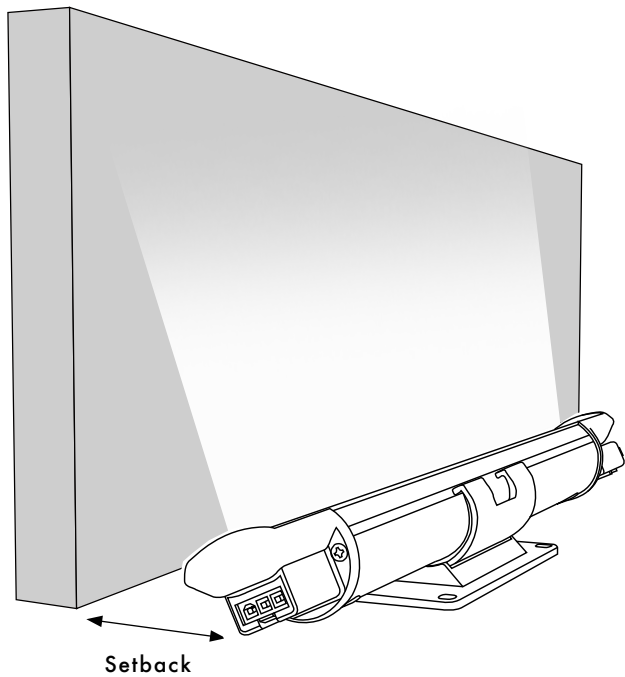
Angle Adjustment





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).

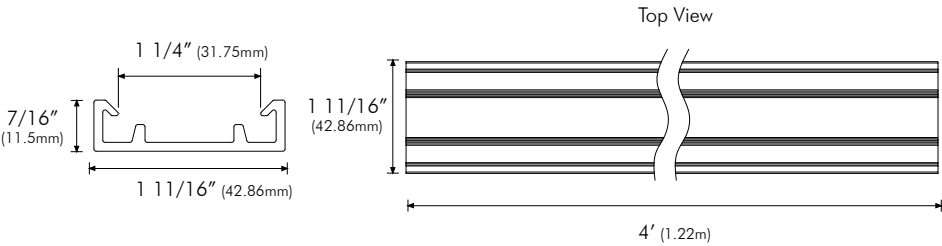


Setback Chart

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

Recommended Setback from wall is 1/10 of wall height.





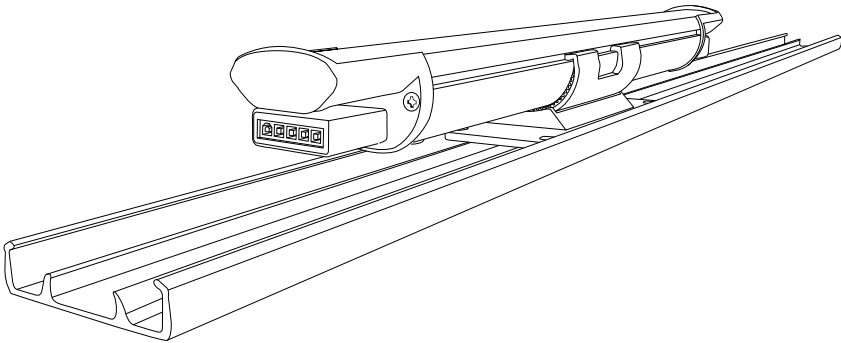
MODA MINI GRAZE MOUNTING TRACK

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)

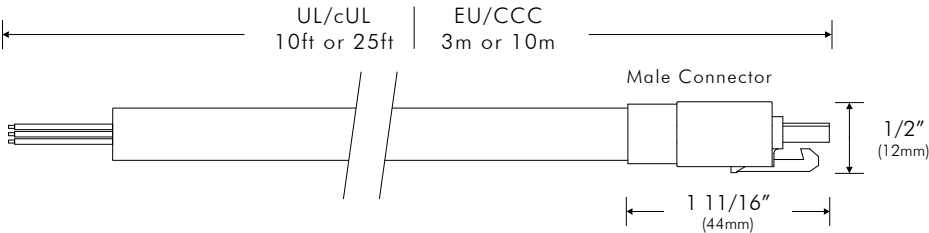
Physical	
Applications	Graze, Accent
Construction	Polycarbonate



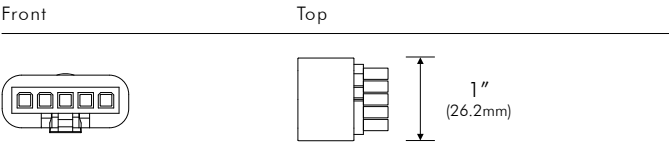
DMX LEADER CABLES

Moda Mini Graze Interior 5 Pin Leader Cables

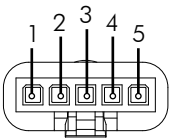
	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 10m
Color	White	White



Male Connector



Pin Assignment

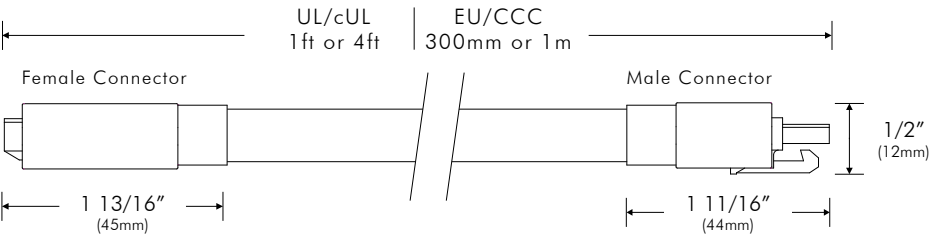


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/ Yellow
4	DMX Positive	Purple	Purple
5	DMX Negative	Gray	Gray

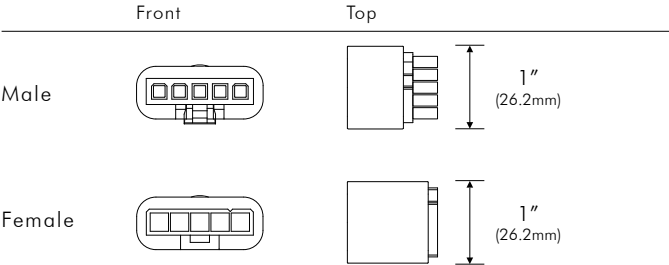
DMX JUMPER CABLES

Moda Mini Graze Interior 5 Pin Jumper Cables

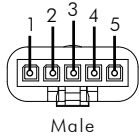
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	White	White



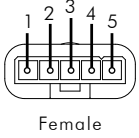
Connectors



Pin Assignment



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



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

NAME		SKU
1 FT	Moda Mini Graze Interior Standard Output Silver DMX 512 RGBA 1FT	MMGI-S-Sx-S-RGBA-1
4 FT	Moda Mini Graze Interior Standard Output Silver DMX 512 RGBA 4FT	MMGI-S-Sx-S-RGBA-4

ACCESSORIES

NAME	SKU	DESCRIPTION
Leader Cable US 5 Pin 10ft	MLCI-US-5PIN-W-10FT	Power to first fixture of run
Leader Cable US 5 Pin 25ft	MLCI-US-5PIN-W-25FT	Power to first fixture of run
Jumper Cable US 5 Pin 1ft	MJCI-US-5PIN-W-1FT	Connection between fixtures
Jumper Cable US 5 Pin 4ft	MJCI-US-5PIN-W-4FT	Connection between fixtures
Leader Cable EU 5 Pin 3m	MLCI-EU-5PIN-W-3M	Power to first fixture of run
Leader Cable EU 5 Pin 10m	MLCI-EU-5PIN-W-10M	Power to first fixture of run
Jumper Cable EU 5 Pin 300mm	MJCI-EU-5PIN-W-300MM	Connection between fixtures
Jumper Cable EU 5 Pin 1m	MJCI-EU-5PIN-W-1M	Connection between fixtures
Terminator 5 Pin	MTI-5PIN-W	Must be fixed to last fixture for safety
Mounting Track	MMC-20-TRACK-1-S1-G	Allows user to install fixtures in a continuous linear position. Packaged in 5 4ft sections in total of 20ft.