

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. Powerful and efficient with a choice of Standard Output at 502 lumens per foot or High Output delivering an astonishing 1004 lumens per foot packaged in a small size of just 1 5/16" (35mm) tall fixture. Unlike other fixtures which are much larger in physical size, MINI GRAZE utilizes the latest Advanced MODA Design and Electronic Engineering, ensuring fixtures are cool to the touch even at 1004 lumens per foot. This is achieved by designing a forward thinking fixture with intelligent driver technology and by under driving the most advanced LEDs in the World. Thus creating a fixture which is so cool it can be held after days of illumination. The L70 (longevity) of the fixture is extended and phosphor degradation is kept to a minimum.

The Onboard American Dimming Chipset, programmed by our MODA Software Division with new Advanced Firmware ensures MINI GRAZE delivers smooth, no noise, flicker free and synchronized dimming down to 0% with ELV or 0-10V Dimmers. Choose from either ELV or 0-10V direct dimming fixtures. Unlike other fixtures in the marketplace there is no need to purchase additional adapters, converters, dimming boxes or control modules, just use conventional wiring direct from the dimmer to create a powerful lighting system, saving time and money. Link any combination of 6", 1ft, 4ft and 8ft fixtures and every fixture will dim together smoothly, synchronized from 100% to 0%. With no minimum run lengths, just one 6" fixture will dim seamlessly to 0%.

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.

With the ability to mix our own phosphors we are able to make a revolutionary new standard for MODA offering a High Color Rendering Index of 96-98 with LEDs centered on The Planckian Locus for superior illumination. R1-R15 tested to TM30-15 with values in excess of 90, creating beautiful cove illumination. Single binning means every fixture will have the same CCT - something that MODA has been doing since 2006. A specialized curved polymer optical lens combined with a cleverly designed light chamber delivers a smooth, light bending 200 degree beam pattern perfect for cove installations with interlocking fields of light, no color over angle, no striations, and no dark spots. Choose from our standard white light temperatures of 1800K, 2200K, 2700K, 3000K, 3500K, 4000K, & 6500K. 1800K is candle-light, ideal for creating truly warm nostalgic coves. 2200K is ideal for hospitality applications with its rich warm tones. 2200K no longer looks dull, dirty or "muddy". 2700K is an excellent example of incandescent looking illumination. 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. 6500K is now a color which can be used as a mainstream color, the HCRI no longer has strong blue tones and is ideal for ultra cool environments. Reds, greens, and blues look clean and sharp thanks to our own Phosphor mix and High CRI. Colors are crisp and sharp. Ideal for all applications which require a high-quality incandescent look. The High CRI for all of our models, which is our standard, creates great cove illumination no matter what color temperature is chosen.

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. Available in a tiny 6 inch size (15cm) for tight turning coves and to finish a small space on the end of a run. Perfect for bending curves - link up to 240ft of fixtures in a single run. 1ft, 4ft and 8ft lengths are for fast installation saving expensive labor installation costs and achieving long runs of quality illumination in rapid time.

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(38mm) L: 4ft 1/8in (1.22m) H: 1 11/32in(34.5mm)
Weights	1ft: 0.38 lbs (0.17kg) 4ft: 1.22 lbs (0.55 kg)
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	-40°F ~ 122°F (-40°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

## OUTPUT

CCT & SDCM	1800K - 3000K 2 Step MacAdams Ellipse
Color Bin Tolerance	Single Bin
CRI	97
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

## 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>



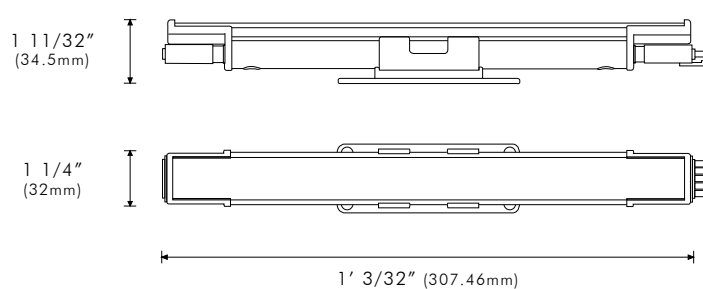
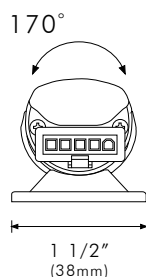
RoHS ✓



**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

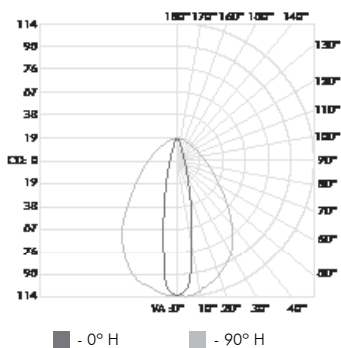
Output	Lumens	CRI	Efficacy	Power Consumption		Max Run Lengths	
				120V	5W	1ft using 120V AC	120 ft
1800K - 3000K	339.46	97	67.89	277V	6.5W	1ft using 277V AC	240 ft

### Illuminance at a Distance (1800K)

	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

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

### Polar Candela Distribution (1800K)

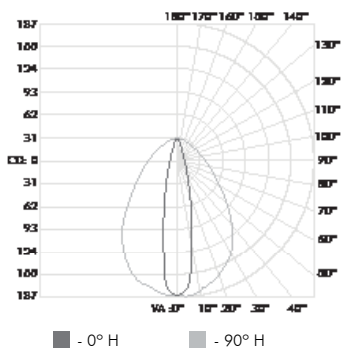


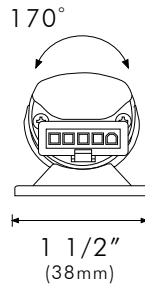
### Illuminance at a Distance (3000K)

	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: 200° 
 Horiz. Spread: 120°

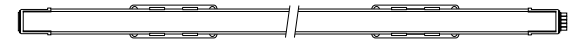
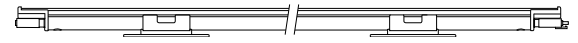
### Polar Candela Distribution (3000K)





1 11/32"  
(34.5mm)

1 1/4"  
(32mm)



4' 1/8"  
(1.22m)

## DMX

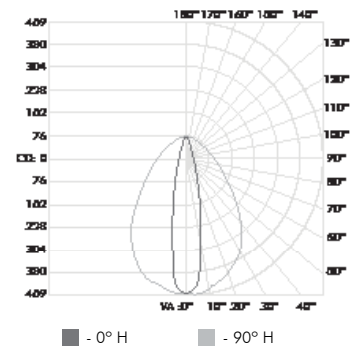
Output	Lumens	CRI	Efficacy	Power Consumption		Max Run Lengths	
				120V	19W	1ft using 120V AC	120 ft
1800K - 3000K	1357.82	97	71.46	277V	20W	1ft using 277V AC	240 ft

### Illuminance at a Distance (1800K)

	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: 200°      Horiz. Spread: 120°

### Polar Candela Distribution (1800K)

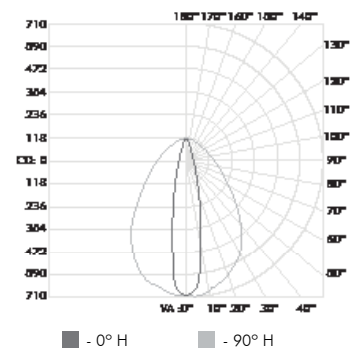


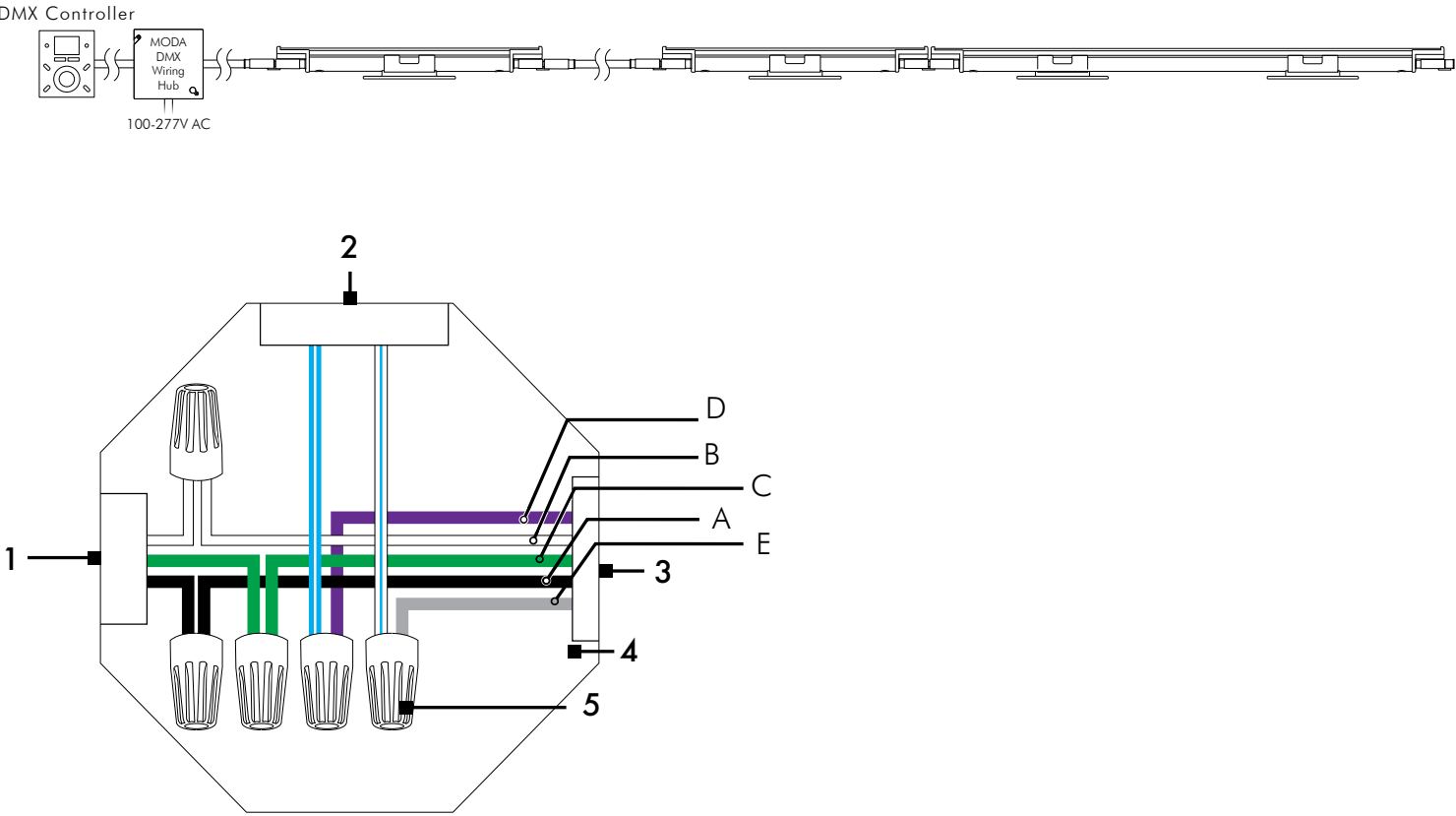
### Illuminance at a Distance (3000K)

	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: 200°      Horiz. Spread: 120°

### Polar Candela Distribution (3000K)





Wiring Legend

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

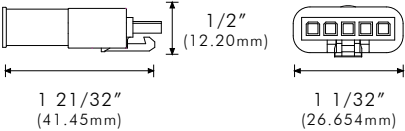
5 Pin Leader Cable

	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

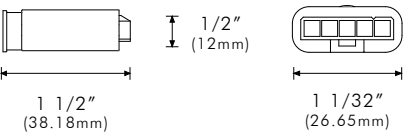
\*Not illustrated

0-10V Connectors

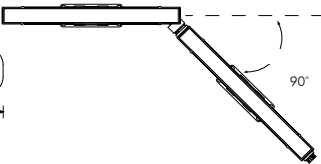
Male Output

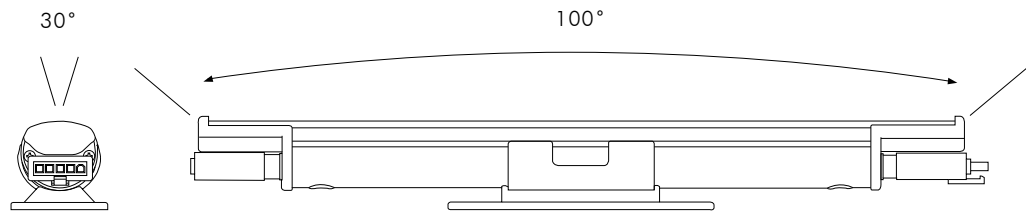


Female Output



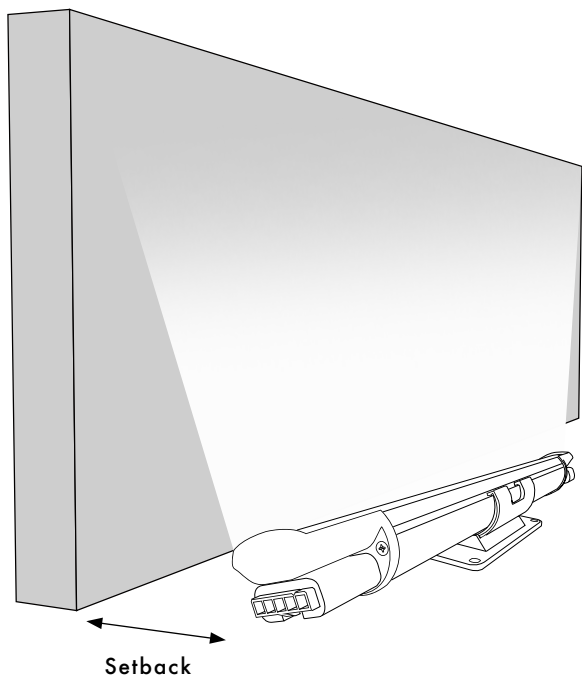
Angle Adjustment





**Wallwash Optic.**

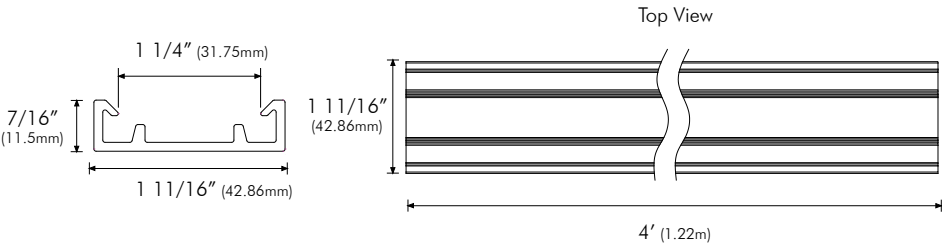
Wall wash any indoor application with its integral linear optic of 30° x 100° for a precise beam pattern with no color over angle, no striations and no dark spots up to 20ft (6m).



**Setback Chart**

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

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



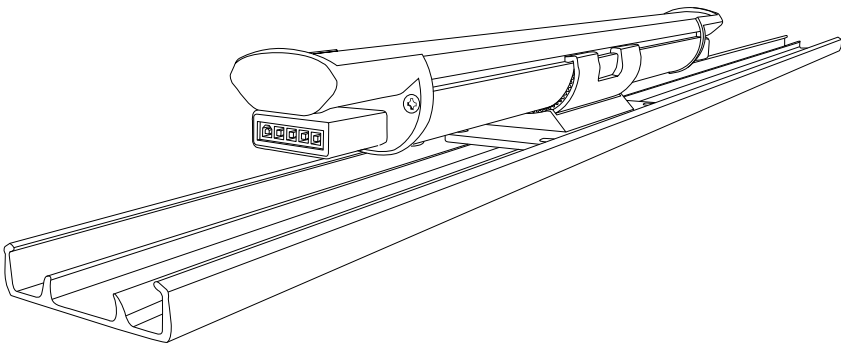
MODA MINI GRAZE MOUNTING TRACK

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

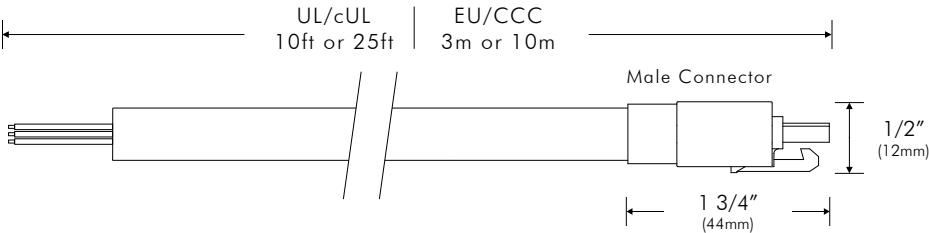




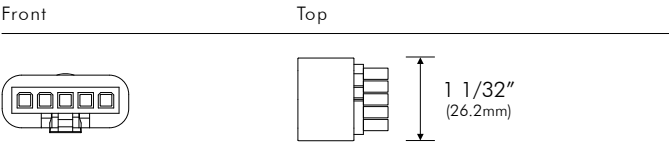
0-10V LEADER CABLES

Moda Mini Graze Interior 5 Pin Leader Cables

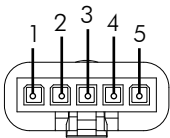
	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 10m
Color	White	White



Male Connector



Pin Assignment

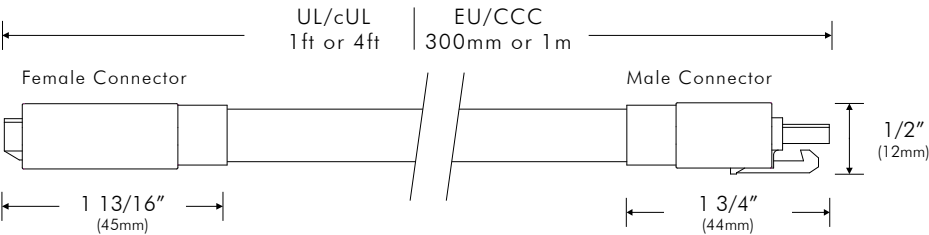


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/ Yellow
4	Data Positive	Purple	Black
5	Data Negative	Gray	Gray

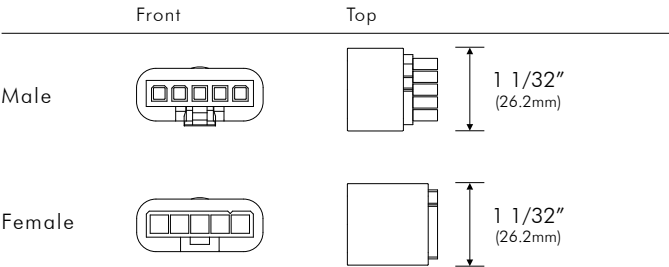
0-10V JUMPER CABLES

Moda Mini Graze Interior 5 Pin Jumper Cables

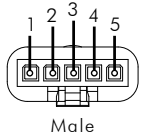
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	White	White



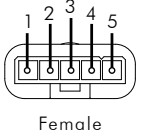
Connectors



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	MMCI-S-S-DWH-1	146-1003
4 FT	Moda Mini Graze Interior Standard Output Silver DMX 512 Dynamic White HCRI 4FT	MMCI-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