

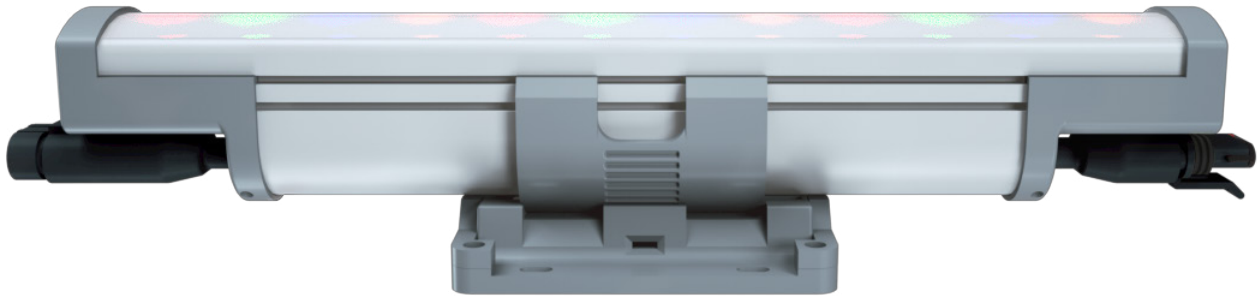
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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

\_\_\_\_\_



### Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a new patent pending wall grazing lighting system designed for exterior applications. Utilizing MODA's latest DMX software, our onboard Microprocessor is uniquely programmed in-house with a firmware to receive DMX 512 signals for full independent control of every 1ft section. Mix colors, including amber, to create amazing displays and color scenes using MODA controls. Wall wash any applications with a choice of 6°, 10°, 25°, 40°, 10°x40°, 30°x60°, or 30°x60°x5° beam patterns for HO. 100-277V, 50/60Hz power input allows these fixtures to be installed anywhere in the world. New patent pending locking bracket rotates 180° for a multitude of light directions. Rugged aluminum design. Protected from corrosion and harsh weather conditions by MODA GUARD—a tough seal which protects the fixture. Fast installation is achieved with MODA KWIK CONNECT plugs and install-integral thumb latch connectors. Available in 1ft & 4ft sections. Series is designed for driver or light engine to be factory replaced at its end of life or recycled.

Designed and developed in Las Vegas, USA by MODA.

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12 ITEM NUMBER

## PHYSICAL

Lengths	1ft & 4ft sections available
Applications	Graze, Accent & Indirect General Illumination
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens
Ingress Protection	Wet Location IP66
Thermal Management	MODA Aluminum Heat Sink
Beam Angle	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, or 30°x60°x5° optic options
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	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
Dimming	DMX 512 Controlled
Power Factor	≥ 0.96
Emergency	N/A

## MODA TECHNOLOGY

moda**SOFT**<sup>™</sup>  
moda**DIM**<sup>™</sup>  
moda**DMX**<sup>™</sup>  
moda**COMMUNICATE**<sup>™</sup>  
moda**THERMAL MANAGEMENT**<sup>™</sup>  
moda**DRIVER**<sup>™</sup>  
moda**PHOSPHOR**<sup>™</sup>  
moda**BIN**<sup>™</sup>  
moda**GUARD**<sup>™</sup>  
moda**OPTIC**<sup>™</sup>  
moda**SEAL**<sup>™</sup>  
moda**KWIK CONNECT**<sup>™</sup>



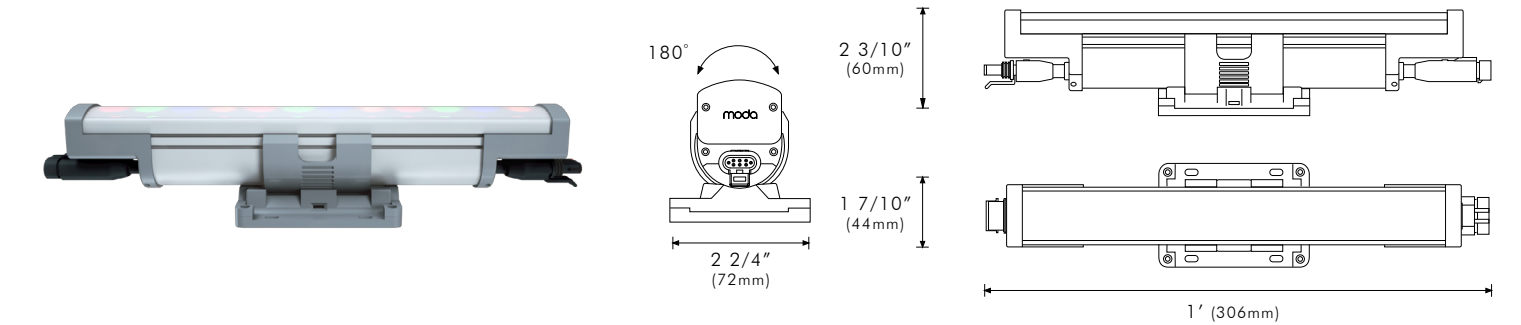
RoHS ✓



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

**Class** 1

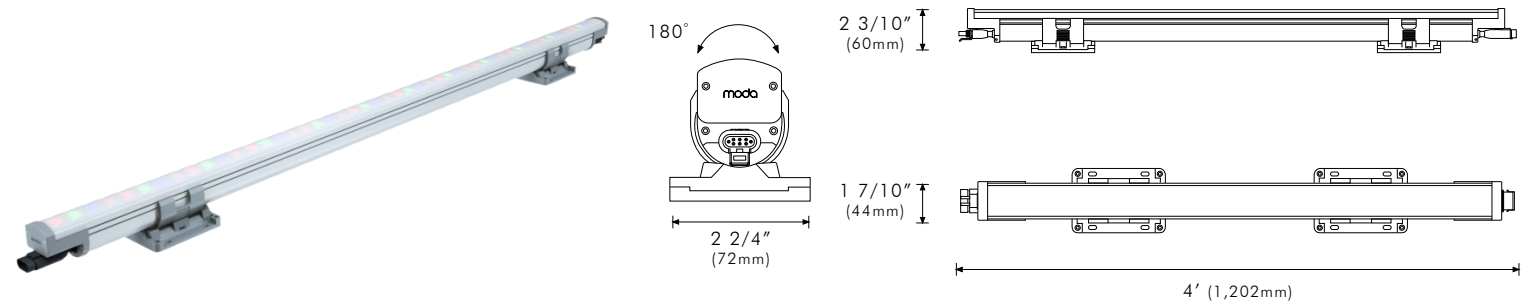
**Warranty** 3 Year Limited Warranty



DMX

Optic	Lumens	Efficacy
6°	981	98.10
10°	969	96.90
25°	955	95.50
40°	945	94.50
10° x 40°	936	93.60
30° x 60°	933	93.30
30° x 60° x 5°	931	93.10

Power Consumption 100-277V AC	Max Run Length	
	120V AC	277V AC
10W	80ft	80ft

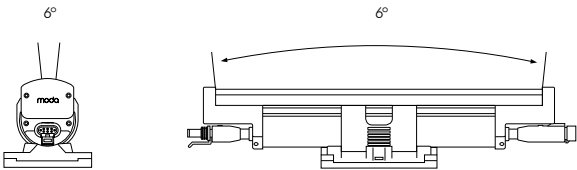


DMX

Optic	Lumens	Efficacy
6°	3474	86.85
10°	3462	86.55
25°	3448	86.20
40°	3438	85.95
10° x 40°	3429	85.72
30° x 60°	3426	85.65
30° x 60° x 5°	3424	85.60

Power Consumption 100-277V AC	Max Run Length	
	120V AC	277V AC
40W	80ft	80ft

6° Beam Angle



Polar Candela Distribution

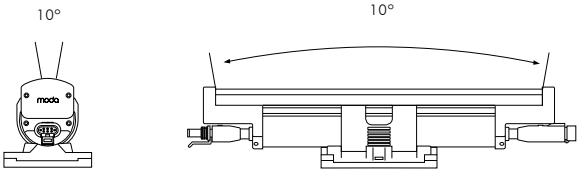


Illuminance at a Distance

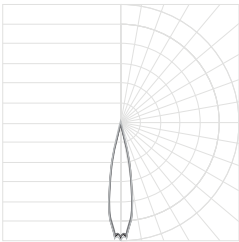
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	51.74 fc	183.22 fc	0.3 ft	0.2 ft
4.0 ft	12.93 fc	45.80 fc	0.7 ft	0.6 ft
6.0 ft	6.46 fc	22.90 fc	1.1 ft	1.0 ft
8.0 ft	3.23 fc	11.45 fc	1.5 ft	1.4 ft
10.0 ft	1.61 fc	5.72 fc	2.0 ft	1.9 ft
12.0 ft	1.29 fc	4.58 fc	2.4 ft	2.3 ft

■ Vert. Spread: 6°      ■ Horiz. Spread: 6°

10° Beam Angle



Polar Candela Distribution

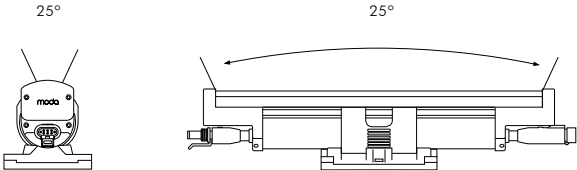


Illuminance at a Distance

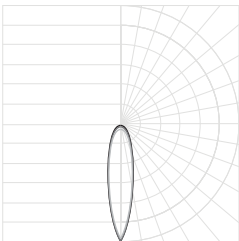
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	42.20 fc	150.78 fc	0.4 ft	0.3 ft
4.0 ft	10.55 fc	37.69 fc	0.8 ft	0.7 ft
6.0 ft	5.27 fc	18.84 fc	1.2 ft	1.1 ft
8.0 ft	2.63 fc	9.42 fc	1.6 ft	1.5 ft
10.0 ft	1.31 fc	4.71 fc	2.1 ft	2.0 ft
12.0 ft	1.05 fc	3.76 fc	2.5 ft	2.4 ft

■ Vert. Spread: 10°      ■ Horiz. Spread: 10°

25° Beam Angle



Polar Candela Distribution

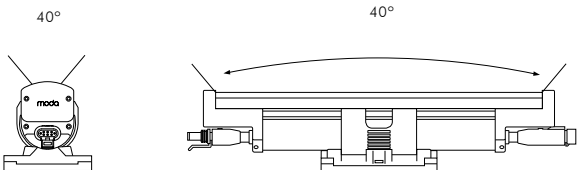


Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	25.82 fc	93.23 fc	0.5 ft	0.5 ft
4.0 ft	6.45 fc	23.30 fc	1.0 ft	1.0 ft
6.0 ft	3.22 fc	11.65 fc	1.5 ft	1.6 ft
8.0 ft	1.61 fc	5.82 fc	2.0 ft	2.2 ft
10.0 ft	0.80 fc	2.91 fc	2.5 ft	2.7 ft
12.0 ft	0.64 fc	2.33 fc	3.0 ft	3.2 ft

■ Vert. Spread: 25°      ■ Horiz. Spread: 25°

40° Beam Angle



Polar Candela Distribution

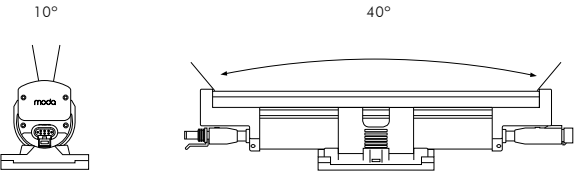


Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	11.76 fc	42.81 fc	1.0 ft	0.8 ft
4.0 ft	2.94 fc	10.70 fc	1.9 ft	1.5 ft
6.0 ft	1.47 fc	5.35 fc	2.8 ft	2.4 ft
8.0 ft	0.73 fc	2.67 fc	3.8 ft	3.2 ft
10.0 ft	0.36 fc	1.33 fc	4.8 ft	4.0 ft
12.0 ft	0.29 fc	1.07 fc	5.7 ft	4.7 ft

■ Vert. Spread: 40°      ■ Horiz. Spread: 40°

10°x40° Beam Angle



Polar Candela Distribution

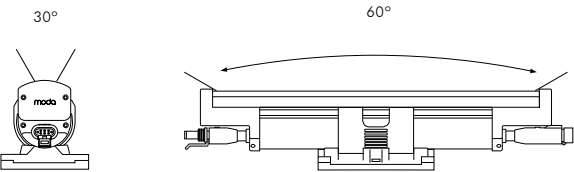


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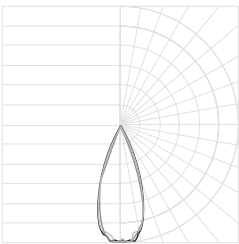
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	29.36 fc	107.55 fc	0.7 ft	0.5 ft
4.0 ft	7.34 fc	26.88 fc	1.5 ft	1.0 ft
6.0 ft	3.67 fc	13.44 fc	2.2 ft	1.4 ft
8.0 ft	1.83 fc	6.72 fc	3.0 ft	1.9 ft
10.0 ft	0.91 fc	3.36 fc	4.6 ft	2.4 ft
12.0 ft	0.73 fc	2.68 fc	4.4 ft	3.0 ft

▲ Vert. Spread: 10°      ▲ Horiz. Spread: 40°

30°x60° Beam Angle



Polar Candela Distribution

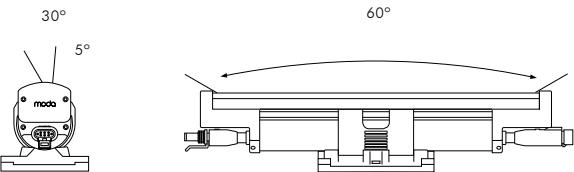


Illuminance at a Distance

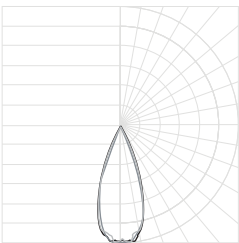
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	74.64 fc	274.08 fc	1.3 ft	2.0 ft
4.0 ft	18.66 fc	68.52 fc	3.1 ft	4.7 ft
6.0 ft	9.33 fc	34.26 fc	4.0 ft	6.6 ft
8.0 ft	4.66 fc	17.13 fc	5.8 ft	9.3 ft
10.0 ft	2.33 fc	8.56 fc	7.0 ft	11.2 ft
12.0 ft	1.86 fc	6.85 fc	9.0 ft	14.0 ft

▲ Vert. Spread: 30°      ▲ Horiz. Spread: 60°

30°x60°x5° Beam Angle



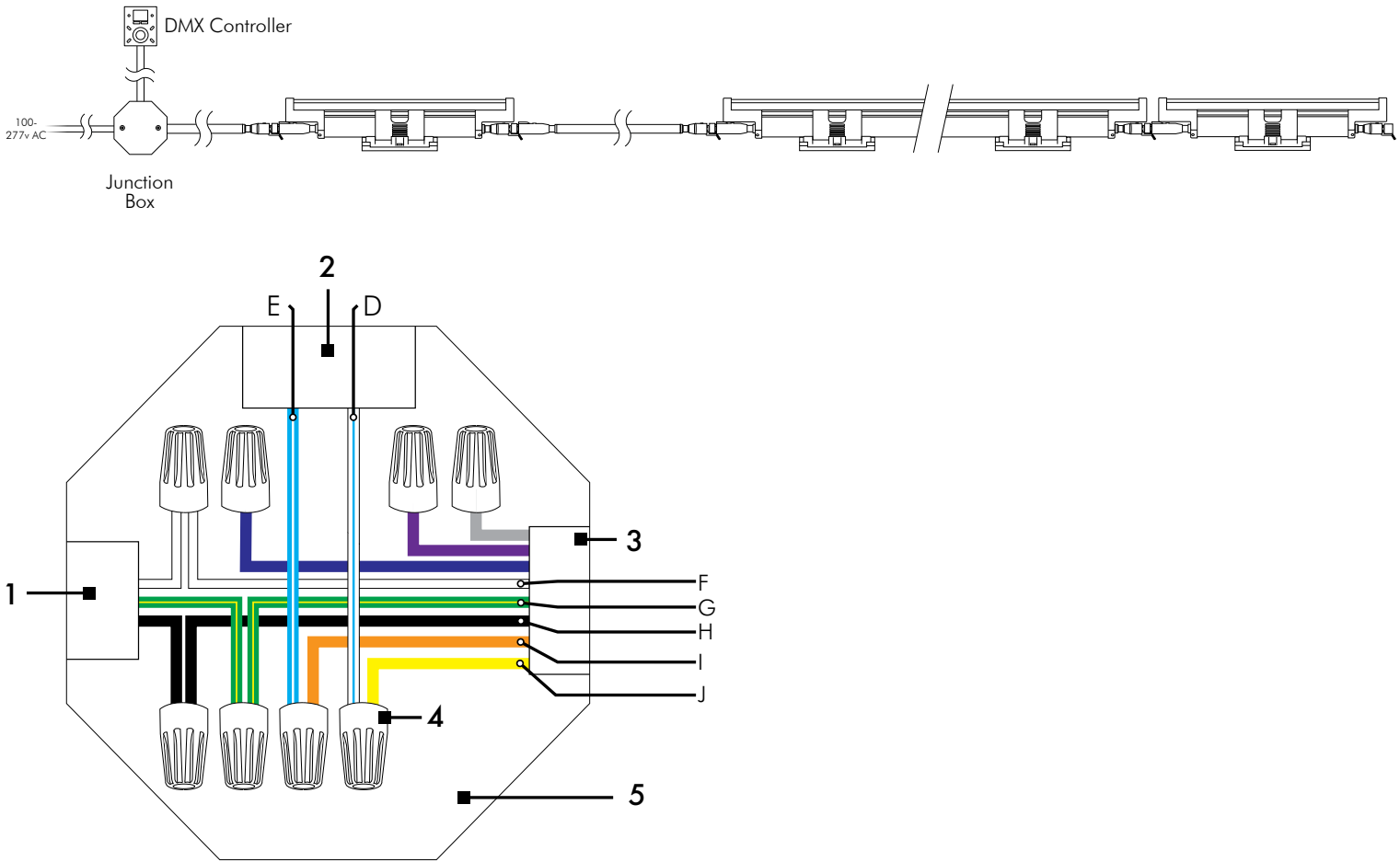
Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	10.81 fc	39.78 fc	1.3 ft	0.3 ft
4.0 ft	2.70 fc	9.94 fc	2.6 ft	0.9 ft
6.0 ft	1.35 fc	4.97 fc	3.9 ft	1.3 ft
8.0 ft	0.67 fc	2.48 fc	5.2 ft	1.6 ft
10.0 ft	0.33 fc	1.24 fc	6.5 ft	1.9 ft
12.0 ft	0.27 fc	0.99 fc	7.8 ft	2.6 ft

▲ Vert. Spread: 30°      ▲ Horiz. Spread: 60°



Wiring Legend

1	Power 100-277V
2	DMX Controller
3	8 Pin Leader Cable
4	Junction Box
5	Wiring Nuts

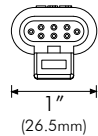
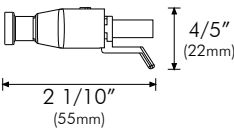
8 Pin Leader Cable

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

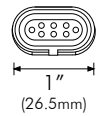
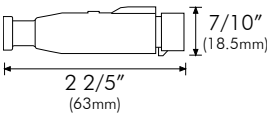
\*not illustrated

DMX Connectors

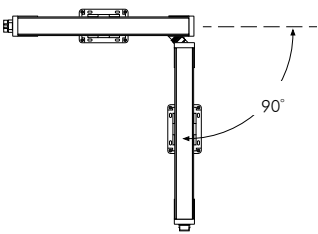
Male Output



Female Output



Angle Adjustment

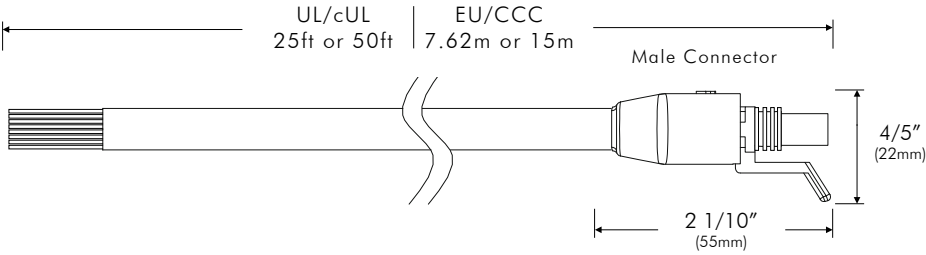




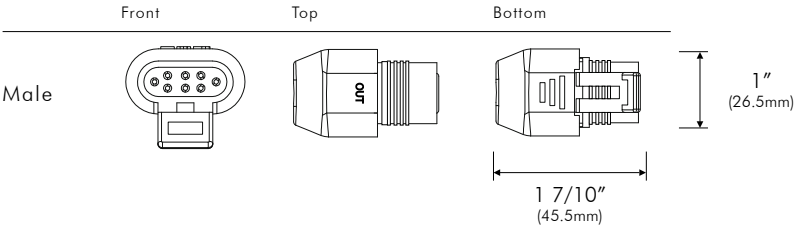
DMX

Moda Graze Exterior 8 Pin Leader Cables

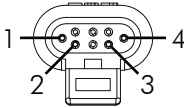
	UL/cUL	EU/CCC
Lengths	25ft and 50ft	7.62m and 15m
Color	Black	Black



Connectors



Pin Assignment

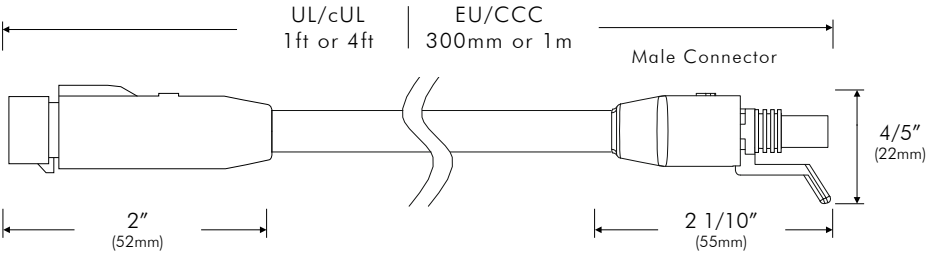


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

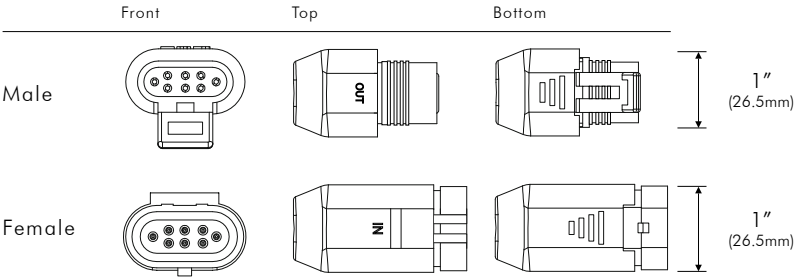
DMX

Moda Graze Exterior 8 Pin Jumper Cables

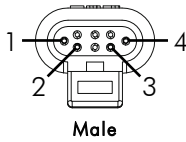
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



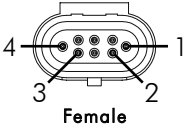
Connectors



Pin Assignment



		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow



		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

NAME	SKU	DESCRIPTION
Leader Cable US 8 Pin 25ft	MLCE-US-8PIN-B-25FT	Power to first fixture of run
Leader Cable US 8 Pin 50ft	MLCE-US-8PIN-B-50FT	Power to first fixture of run
Jumper Cable US 8 Pin 1ft	MJCE-US-8PIN-B-1FT	Connection between fixtures
Jumper Cable US 8 Pin 4ft	MJCE-US-8PIN-B-4FT	Connection between fixtures
Leader Cable EU 8 Pin 7.62m	MLCE-EU-8PIN-B-7.62M	Power to first fixture of run
Leader Cable EU 8 Pin 15m	MLCE-EU-8PIN-B-15M	Power to first fixture of run
Jumper Cable EU 8 Pin 300mm	MJCE-EU-8PIN-B-300MM	Connection between fixtures
Jumper Cable EU 8 Pin 1m	MJCE-EU-8PIN-B-1M	Connection between fixtures
Terminator 8 Pin	MTE-8PIN-B	Must be fixed to last fixture for safety
Exterior Bracket Lock	MCGE-BL-G	Holds fixture in place for vertical installations
Belden Shielded Cable 500 FT	BDL-9841-500FT	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation
Belden Shielded Cable 1000 FT	BDL-9841-1000FT	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation
Kandi Touch	KANDI-TOUCH-BLACK KANDI-TOUCH-WHITE	DMX 512 Controller
Moda DMX Wiring Hub	250-0100-01	Simplifies wiring and strengthens signal

MGE - HO - S1 - RGBA - -



COMPLETE SKU SAMPLE: MGE-HO-S1-RGBA-4-40

A - FIXTURE & LOCATION

MGE — Moda Graze Exterior

D - LED COLOR

RGBA — Red, Green, Blue, Amber

B - LIGHT OUTPUT

HO — High Output

E - LENGTH

1 — 1FT  
4 — 4FT

C - SERIES NUMBER

S1 — Series 1

F - OPTIC

6 — 6° x 6°  
10 — 10° x 10°  
25 — 25° x 25°  
40 — 40° x 40°  
140 — 10° x 40°  
360 — 30° x 60°  
365 — 30° x 60° x 5°