

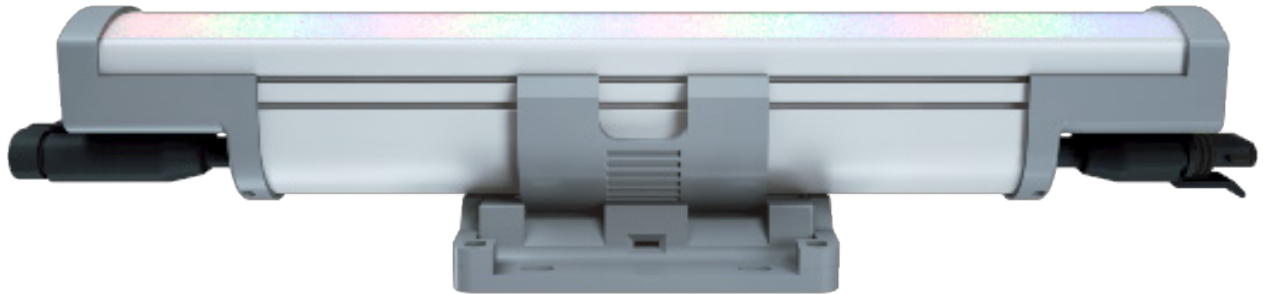
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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

\_\_\_\_\_



### Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a patent pending grazer 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 DMX512 signals for full independent control of every 1ft section. Mix colors 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 AC, 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.

PAGE

3	FEATURES
4	1 FOOT
5	4 FOOT
6	OPTIC FLEXIBILITY
7	OPTIC FLEXIBILITY CONTINUED
8	DMX WIRING
9	ACCESSORIES: CABLES
10	FIXTURES & ACCESSORIES

PHYSICAL

Dimensions	L: 12 1/2in (318mm)	W: 2 13/16in (71mm)
	L: 47 3/8in (1204mm)	H: 2 9/16in (65mm)
Weight	12in: 1.3lbs (0.6kg)	48in: 4.9lbs (2.22kg)
Applications	Graze, Accent, & Indirect General Illumination	
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Polycarbonate Optical Lens	
Ingress Protection	Wet Location IP66	
Thermal Management	Moda Aluminum Heat Sink	
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	

SPECIFICATIONS

OPTIC	Lumens		Efficacy	
	1FT	4FT	1FT	4FT
6°	962	3398	96.20	84.95
10°	950	3386	95.00	84.65
25°	936	3372	93.60	84.30
40°	926	3362	92.60	84.05
10°x40°	917	3353	91.70	83.82
30°x60°	914	3350	91.40	83.75
30°x60°x5°	912	3348	91.20	83.70

POWER CONSUMPTION

	120V - 277V AC	
	1FT	4FT
HO	10W	40W

OUTPUT

CCT	N/A
Beam Angle	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, Forward Throw Asymmetric, or 30°x100° optic options
CRI	Variable for RGB
Color Bin Tolerance	Zero Bin
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	DMX512
Power Factor	≥ 0.96

MAX CONTINUOUS RUN

	120V AC	277V AC
HO	80ft	80ft

MODA TECHNOLOGY

moda**SOFTWARE**<sup>™</sup>

moda**HARDWARE**<sup>™</sup>

moda**DMX**<sup>™</sup>

moda**DRIVER**<sup>™</sup>

moda**ZERO BIN**<sup>™</sup>

moda**OPTIC**<sup>™</sup>

moda**LINEAR OPTIC**<sup>™</sup>

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

moda**GUARD**<sup>™</sup>

moda**SEAL**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

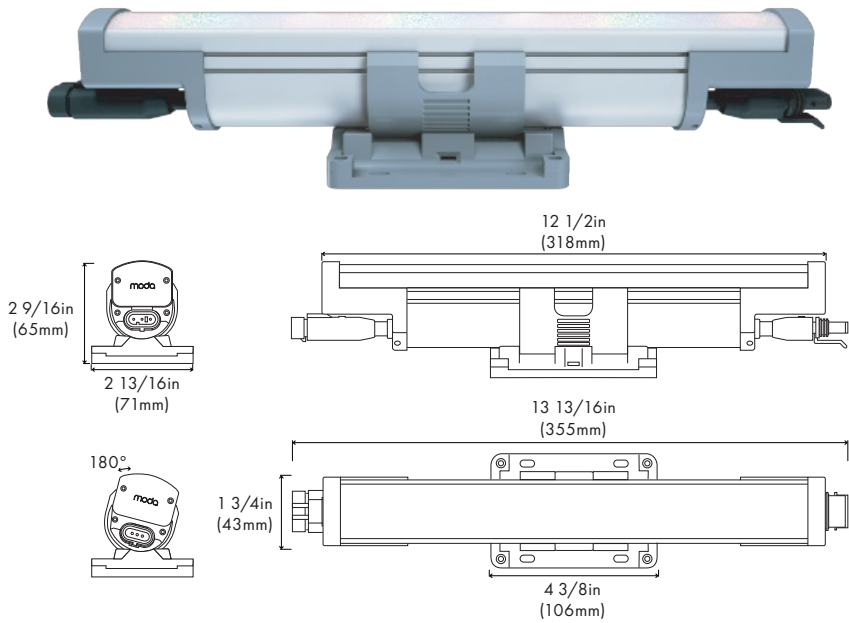
moda**COMMUNICATE**<sup>™</sup>

moda**KWIK CONNECT**<sup>™</sup>

STANDARDS & CERTIFICATIONS

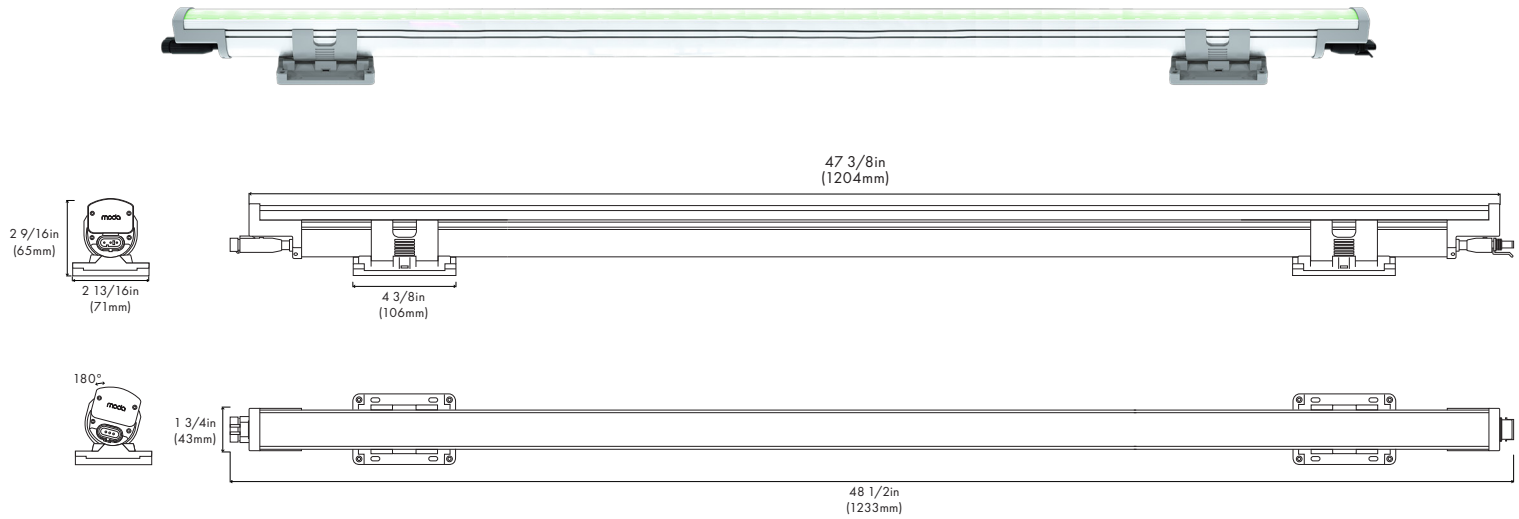


Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, CCC, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	3 Year Limited Warranty



DMX

Optic	Lumens	Efficacy	Power Consumption	Max Run Lengths
6°	962	96.20	120-277V AC 10W	120-277V AC 80ft
10°	950	95.00		
25°	936	93.60		
40°	926	92.60		
10° x 40°	917	91.70		
30° x 60°	914	91.40		
30° x 60° x 5°	912	91.20		

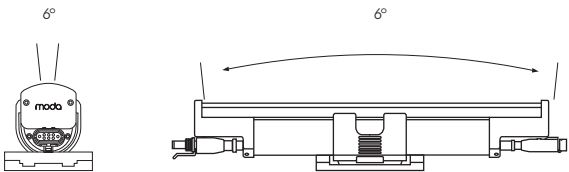


DMX

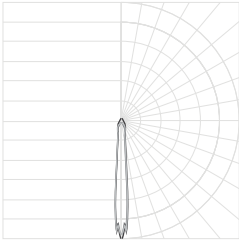
Optic	Lumens	Efficacy
6°	3398	84.95
10°	3386	84.65
25°	3372	84.30
40°	3362	84.05
10° x 40°	3353	83.82
30° x 60°	3350	83.75
30° x 60° x 5°	3348	83.70

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

6° Beam Angle



Polar Candela Distribution

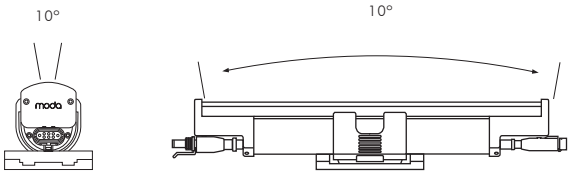


Illuminance at a Distance

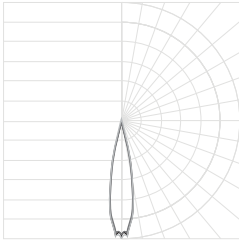
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	50.73 fc	179.21 fc	0.3 ft	0.2 ft
4.0 ft	12.68 fc	44.80 fc	0.7 ft	0.6 ft
6.0 ft	6.34 fc	22.40 fc	1.1 ft	1.0 ft
8.0 ft	3.17 fc	11.20 fc	1.5 ft	1.4 ft
10.0 ft	1.58 fc	5.60 fc	2.0 ft	1.9 ft
12.0 ft	1.26 fc	4.48 fc	2.4 ft	2.3 ft

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

10° Beam Angle



Polar Candela Distribution

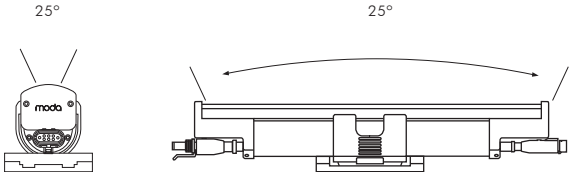


Illuminance at a Distance

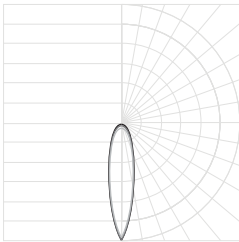
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	41.37 fc	147.47 fc	0.4 ft	0.3 ft
4.0 ft	10.34 fc	36.86 fc	0.8 ft	0.7 ft
6.0 ft	5.17 fc	18.43 fc	1.2 ft	1.1 ft
8.0 ft	2.58 fc	9.21 fc	1.6 ft	1.5 ft
10.0 ft	1.29 fc	4.60 fc	2.1 ft	2.0 ft
12.0 ft	1.03 fc	3.68 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution

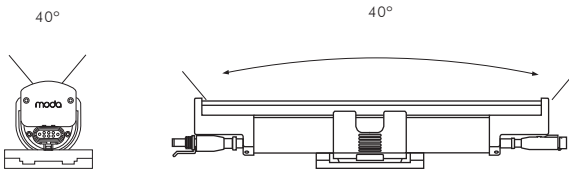


Illuminance at a Distance

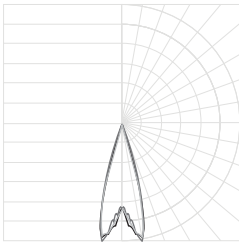
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	25.31 fc	91.18 fc	0.5 ft	0.5 ft
4.0 ft	6.32 fc	22.79 fc	1.0 ft	1.0 ft
6.0 ft	3.16 fc	11.39 fc	1.5 ft	1.6 ft
8.0 ft	1.58 fc	5.69 fc	2.0 ft	2.2 ft
10.0 ft	0.79 fc	2.84 fc	2.5 ft	2.7 ft
12.0 ft	0.63 fc	2.27 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution

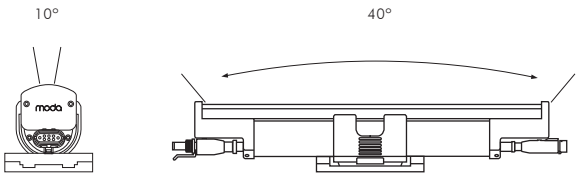


Illuminance at a Distance

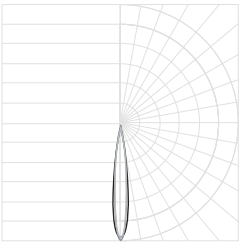
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	11.53 fc	41.86 fc	1.0 ft	0.8 ft
4.0 ft	2.88 fc	10.46 fc	1.9 ft	1.5 ft
6.0 ft	1.44 fc	5.23 fc	2.8 ft	2.4 ft
8.0 ft	0.72 fc	2.61 fc	3.8 ft	3.2 ft
10.0 ft	0.36 fc	1.30 fc	4.8 ft	4.0 ft
12.0 ft	0.28 fc	1.04 fc	5.7 ft	4.7 ft

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

10°x40° Beam Angle



Polar Candela Distribution

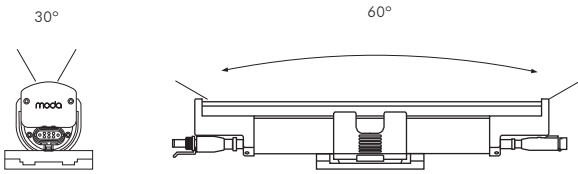


Illuminance at a Distance

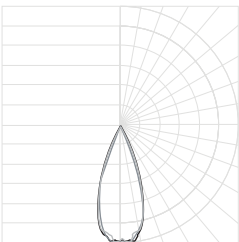
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	28.76 fc	105.71 fc	0.7 ft	0.5 ft
4.0 ft	7.19 fc	26.29 fc	1.5 ft	1.0 ft
6.0 ft	3.59 fc	13.14 fc	2.2 ft	1.4 ft
8.0 ft	1.79 fc	6.57 fc	3.0 ft	1.9 ft
10.0 ft	0.89 fc	3.28 fc	4.6 ft	2.4 ft
12.0 ft	0.71 fc	2.62 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution

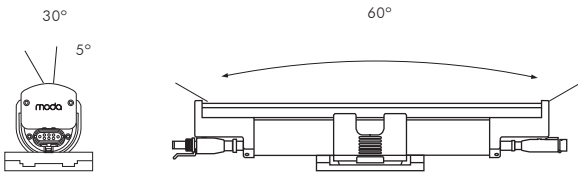


Illuminance at a Distance

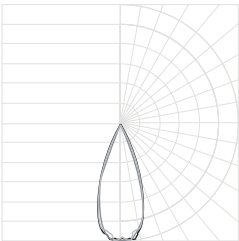
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	73.12 fc	268.00 fc	1.3 ft	2.0 ft
4.0 ft	18.28 fc	67.00 fc	3.1 ft	4.7 ft
6.0 ft	9.14 fc	33.50 fc	4.0 ft	6.6 ft
8.0 ft	4.57 fc	16.75 fc	5.8 ft	9.3 ft
10.0 ft	2.28 fc	8.37 fc	7.0 ft	11.2 ft
12.0 ft	1.82 fc	6.70 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



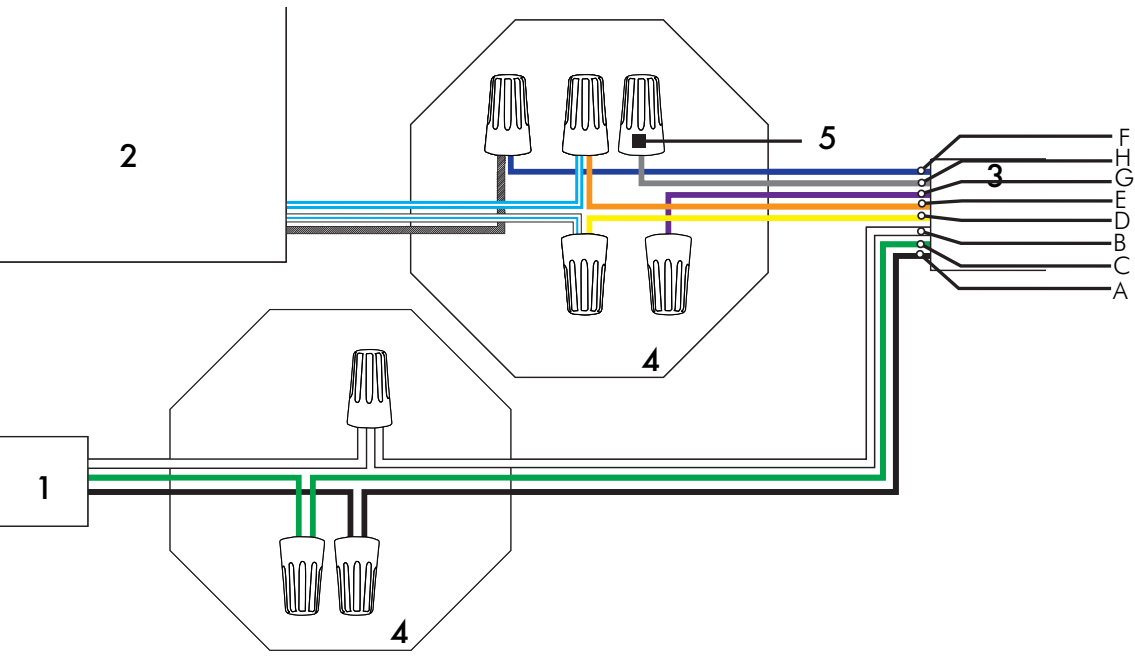
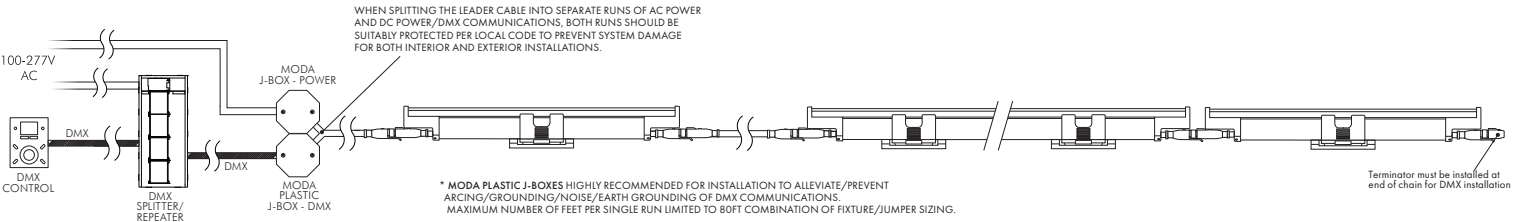
Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	10.59 fc	38.90 fc	1.3 ft	0.3 ft
4.0 ft	2.64 fc	9.72 fc	2.6 ft	0.9 ft
6.0 ft	1.32 fc	4.86 fc	3.9 ft	1.3 ft
8.0 ft	0.66 fc	2.43 fc	5.2 ft	1.6 ft
10.0 ft	0.33 fc	1.21 fc	6.5 ft	1.9 ft
12.0 ft	0.26 fc	0.97 fc	7.8 ft	2.6 ft

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



















Wiring Legend

- 1 Power 100-277V AC
- 2 DMX Splitter/Repeater
- 3 8 Pin Leader Cable
- 4 Junction Box
- 5 Wiring Nuts

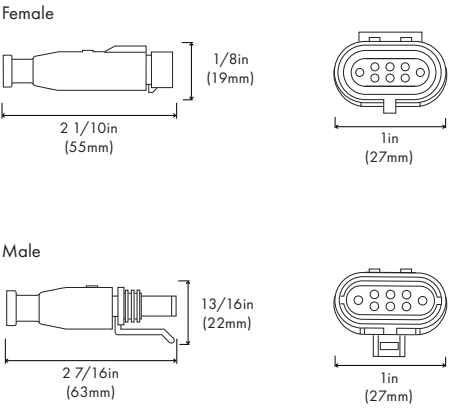
Shielded RS-485	
	DMX Positive
	DMX Negative
	DMX Shield

8 Pin Leader Cable

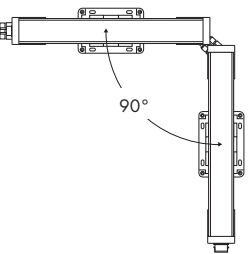
		UL/cUL	CE/CCC*
A	100-277V AC	 Black	 Brown
B	Neutral	 White	 Blue
C	Ground	 Green	 Green/Yellow
D	Data Positive/DC+	 Orange	 Orange
E	Data Negative/DC-	 Yellow	 Yellow
F	DMX Shield	 Blue	 Blue
G	Not Used	 Purple	 Purple
H	Not Used	 Gray	 Gray

\*Not illustrated

DMX Connectors



Angle Adjustment

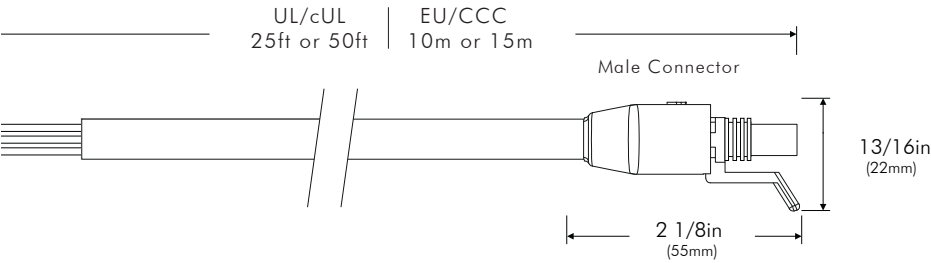




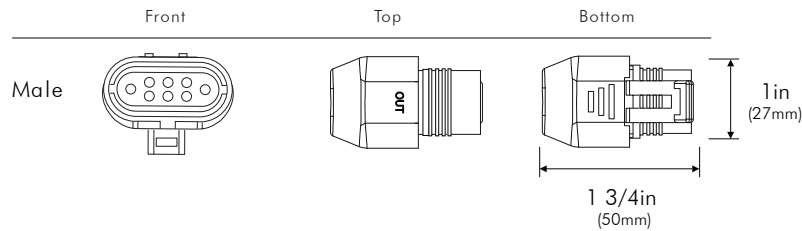
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

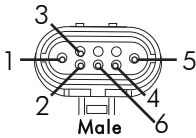
	UL/cUL	EU/CCC
Lengths	25ft and 50ft	10m and 15m
Color	Black	Black



Connectors



Pin Assignment

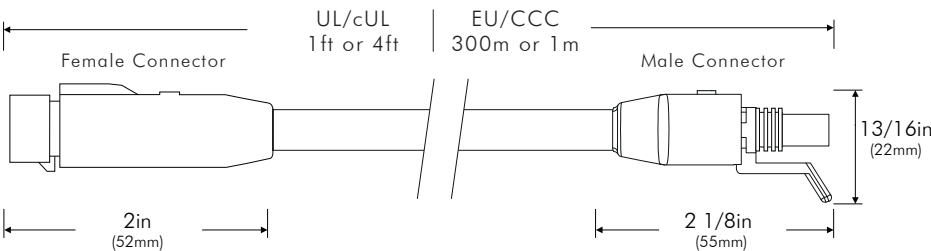


	UL/cUL	EU/CCC
1 Live 100-277V	Black	Brown
2 Neutral	White	Blue
3 Ground	Green	Green/Yellow
4 DMX Positive	Orange	Orange
5 DMX Negative	Yellow	Yellow
6 DMX Shield	Blue	Blue

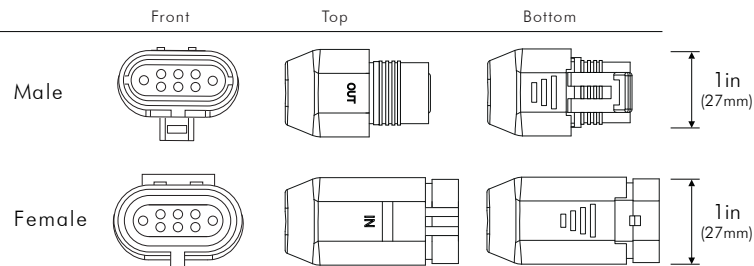
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

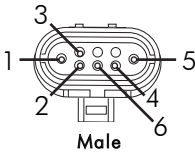
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



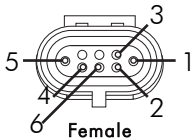
Connectors



Pin Assignment



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



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

MGE - HO - S1 - RGB - -



COMPLETE SKU SAMPLE: MGE-HO-S1-RGB-4-25

**A - FIXTURE & LOCATION**

MGE — Moda Graze Exterior

**B - LIGHT OUTPUT**

HO — High Output

**C - SERIES NUMBER**

S1 — Series 1

**D - LED COLOR**

RGB — Red, Green, Blue

**E - LENGTH**

1 — 1FT

4 — 4FT

**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 — Forward Throw Asymmetric

ACCESSORIES	DESCRIPTION	ORDERING SKU
Leader Cable US 8 Pin 25FT	Power to first fixture of run	MLCE-US-8PIN-B-25FT
Leader Cable US 8 Pin 50FT	Power to first fixture of run	MLCE-US-8PIN-B-50FT
Jumper Cable US 8 Pin 1FT	Connection between fixtures	MJCE-US-8PIN-B-1FT
Jumper Cable US 8 Pin 4FT	Connection between fixtures	MJCE-US-8PIN-B-4FT
Leader Cable EU 8 Pin 10M	Power to first fixture of run	MLCE-EU-8PIN-B-10M
Leader Cable EU 8 Pin 15M	Power to first fixture of run	MLCE-EU-8PIN-B-15M
Jumper Cable EU 8 Pin 300MM	Connection between fixtures	MJCE-EU-8PIN-B-300MM
Jumper Cable EU 8 Pin 1M	Connection between fixtures	MJCE-EU-8PIN-B-1M
Terminator 8 Pin	Must be fixed to last fixture for safety	MTE-8PIN-B
Exterior Bracket Lock	Holds fixture in place for vertical installation	MCEG-BL-G

CONTROLS	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi Touch	DMX512 Wall Mounted Touch Panel Controller with Color Display	KND-TCH-B (Black)	250-0040
		KND-TCH-W (White)	250-0041
MODA Touch*	DMX512 Wall Mounted Touch Panel Controller	MTCH-S1-B (Black)	MTCH-S1-B
		MTCH-S1-W (White)	MTCH-S1-W

\* - MODA Touch default scene addressing can be found on MODA Touch Product Documentation and DMX Fixture Installation Guides.

CONTROL ACCESSORIES	DESCRIPTION	PART NUMBER	ORDERING SKU
Pathway DMX Splitter/Repeater	Wall-mount, 4 ports, E1.20 RDM Compliant, Small - 10in X 13in X 4 1/2in	PWREP WM P4 TERM RDM SML DMX-RDM	250-0153
Pathway DMX Splitter/Repeater	Wall-mount, 8 ports, E1.20 RDM Compliant, Medium - 10in X 23in X 4 1/2in	PWREP WM P8 TERM RDM MED DMX-RDM	250-0154
Pathway DMX Splitter/Repeater	Wall-mount, 12 ports, E1.20 RDM Compliant, Medium - 10in X 23in X 4 1/2in	PWREP WM P12 TERM RDM MED DMX-RDM	250-0155
Shielded Cable 500FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-500FT	250-0251
Shielded Cable 1000FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-1000FT	250-0252