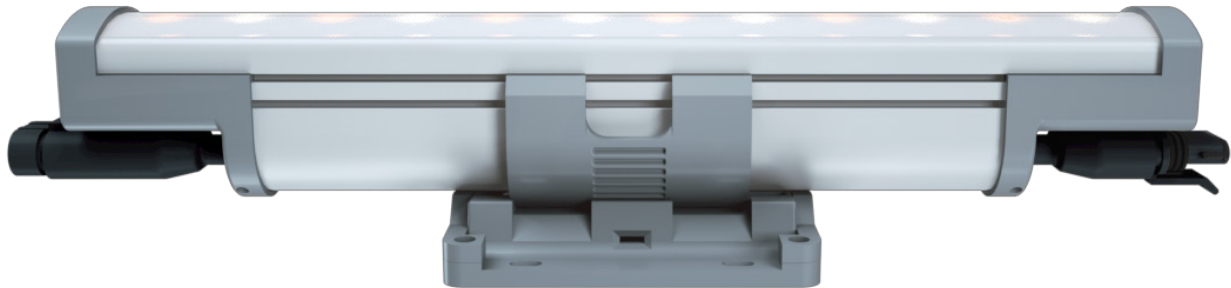


Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____



Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a new patent pending 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 DMX 512 signals for full independent control of every 1ft section. Change the color temperature ranging from 1800K to 3000K and create a variety of moods. With MODA's methods of precision and high standards of work, MODA achieves perfect illumination. Color Rendering Index is at a MODA standard of 90-98. R1 - R15 values are in excess of 90. No striations, no color over angle, and no dark spots.

Wall wash any applications with a choice of 6°, 10°, 25°, 40°, 10°x40°, 30°x60°, or 30°x60°x5° beam patterns for and HO, or 30°x100° for SO or HO+ Lumen packages. 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.

PAGE	
3	FEATURES
4	1 FOOT
5	4 FOOT
6	OPTIC FLEXIBILITY
7	OPTIC FLEXIBILITY CONTINUED
8	DMX WIRING
9	ACCESSORIES: LEADER CABLES
10	ACCESSORIES: JUMPER CABLES
11	ACCESSORIES: SUMMARY
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°, 30°x60°x5°, or 30°x100° 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	1800K - 3000K - SO, HO+ only 2200K - 3000K - HO only 2 Step MacAdam Ellipse
Color Bin Tolerance	Single Bin
CRI	94 - 98
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	≥ 0.98
Emergency	N/A

BEAM ANGLES

	SO	HO	HO+
6°		•	
10°		•	
25°		•	
40°		•	
10°x40°		•	
30°x60°		•	
30°x60°x5°		•	
30°x100°	•		•
	• Available		

MODA TECHNOLOGY

moda**SOFT**[™]

moda**DIM**[™]

moda**DMX**[™]

moda**COMMUNICATE**[™]

moda**GUARD**[™]

moda**OPTIC**[™]

moda**LINEAR OPTIC**[™]

moda**DYNAMIC WARM**

moda**DRIVER**[™]

moda**SEAL**[™]

moda**PHOSPHOR**[™]

moda**BIN**[™]

moda**HIGH CRI**[™]

moda**KWIK CONNECT**[™]

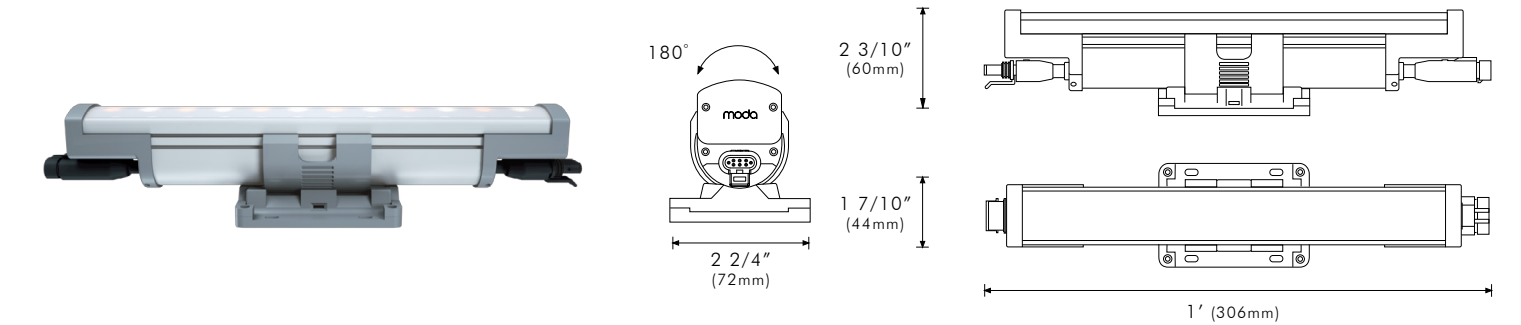
moda**THERMAL MANAGEMENT**[™]



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

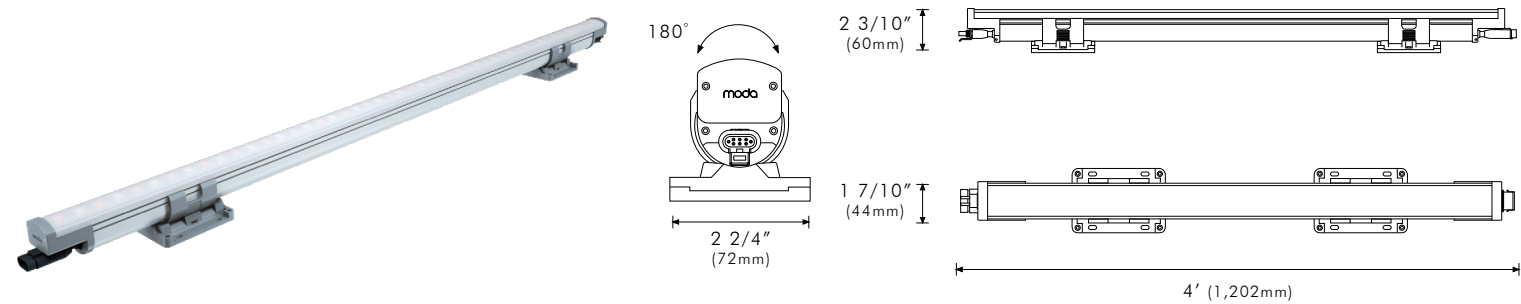
Output	CCT	6°		10°		25°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	22K - 3K	995.96 - 1151.40	99.59 - 125.15	985.58 - 1139.40	98.55 - 113.94	973.47 - 1125.40	97.34 - 112.54

Output	CCT	40°		10°x40°		30°x60°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	22K - 3K	964.82 - 1115.40	96.48 - 111.54	957.03 - 1106.40	95.70 - 110.64	954.44 - 1103.40	95.44 - 110.34

Output	CCT	30°x60°x5°		Output	CCT	30°x100°	
		Lumens	Efficacy			Lumens	Efficacy
HO	22K - 3K	952.71 - 1101.40	952.71 - 110.40	SO	18K - 3K	631.45 - 730.00	63.14 - 73.00
				HO+	18K - 3K	987.55 - 1141.68	98.75 - 114.16

Output	Power Consumption 100-277V AC	Max Run Length	
		120V AC	277V AC
SO	10w	80 ft	80 ft
HO	10w	80 ft	80 ft
HO+	10w	80 ft	80 ft

Output	CRI
SO	95
HO	97
HO+	98



DMX

Output	CCT	6°		10°		25°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	22K - 3K	3594.59 - 4155.60	89.86 - 103.89	3584.21 - 4143.60	89.60 - 122.05	3572.10 - 4129.60	89.30 - 103.24

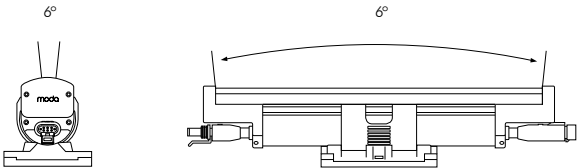
Output	CCT	40°		10°x40°		30°x60°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	22K - 3K	3563.45 - 4119.60	89.08 - 102.99	3555.66 - 4110.60	88.89 - 118.75	3553.07 - 4107.60	88.82 - 102.69

Output	CCT	30°x60°x5°		Output	CCT	30°x100°	
		Lumens	Efficacy			Lumens	Efficacy
HO	22K - 3K	3551.34 - 4105.60	88.78 - 102.64	SO	18K - 3K	2525.80 - 2920.00	63.14 - 73.00
				HO+	18K - 3K	3950.21 - 4566.72	98.75 - 114.16

Output	Power Consumption	Max Run Length	
		120V AC	277V AC
SO	40 _w	80 ft	80 ft
HO	40 _w	80 ft	80 ft
HO+	40 _w	80 ft	80 ft

Output	CRI
SO	95
HO	97
HO+	98

6° Beam Angle



Polar Candela Distribution (HO)

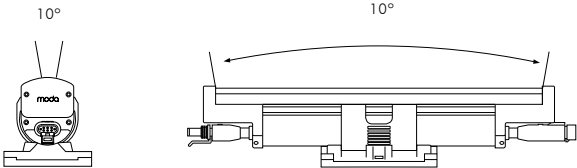


Illuminance at a Distance (HO)

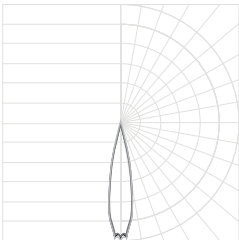
	Center Beam FC		Beam Width
	1 Foot	4 Foot	
2.0 ft	52.45 fc	189.23 fc	0.4 ft 0.3 ft
4.0 ft	13.11 fc	47.30 fc	0.8 ft 0.7 ft
6.0 ft	6.55 fc	23.65 fc	1.2 ft 1.1 ft
8.0 ft	3.27 fc	11.82 fc	1.6 ft 1.5 ft
10.0 ft	1.63 fc	5.91 fc	2.1 ft 2.0 ft
12.0 ft	1.31 fc	4.73 fc	2.5 ft 2.4 ft

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

10° Beam Angle



Polar Candela Distribution (HO)

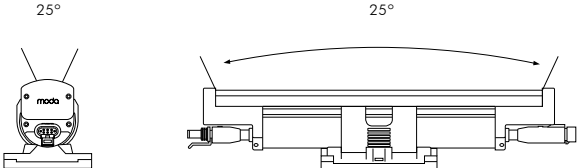


Illuminance at a Distance (HO)

	Center Beam FC		Beam Width
	1 Foot	4 Foot	
2.0 ft	49.62 fc	180.47 fc	0.4 ft 0.3 ft
4.0 ft	12.40 fc	45.11 fc	0.8 ft 0.7 ft
6.0 ft	6.20 fc	22.55 fc	1.2 ft 1.1 ft
8.0 ft	3.10 fc	11.27 fc	1.6 ft 1.5 ft
10.0 ft	1.55 fc	5.63 fc	2.1 ft 2.0 ft
12.0 ft	1.24 fc	4.51 fc	2.5 ft 2.4 ft

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

25° Beam Angle



Polar Candela Distribution (HO)

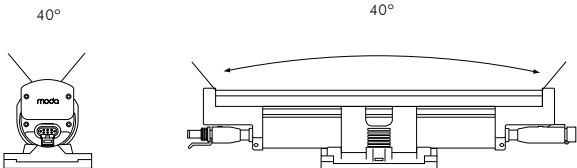


Illuminance at a Distance (HO)

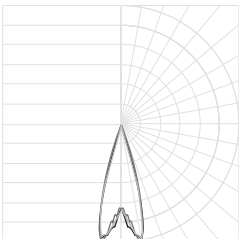
	Center Beam FC		Beam Width
	1 Foot	4 Foot	
2.0 ft	30.43 fc	111.67 fc	0.5 ft 0.5 ft
4.0 ft	7.60 fc	27.91 fc	1.0 ft 1.0 ft
6.0 ft	3.80 fc	13.95 fc	1.5 ft 1.6 ft
8.0 ft	1.90 fc	6.97 fc	2.0 ft 2.2 ft
10.0 ft	0.95 fc	3.48 fc	2.5 ft 2.7 ft
12.0 ft	0.76 fc	2.79 fc	3.0 ft 3.2 ft

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

40° Beam Angle



Polar Candela Distribution (HO)

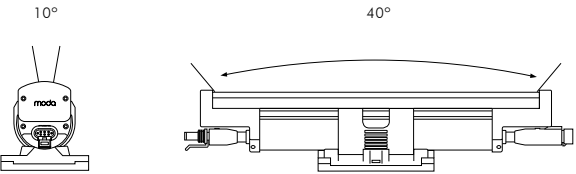


Illuminance at a Distance (HO)

	Center Beam FC		Beam Width
	1 Foot	4 Foot	
2.0 ft	13.89 fc	51.30 fc	1.0 ft 0.8 ft
4.0 ft	3.47 fc	12.83 fc	1.9 ft 1.5 ft
6.0 ft	1.73 fc	6.41 fc	2.8 ft 2.4 ft
8.0 ft	0.86 fc	3.21 fc	3.8 ft 3.2 ft
10.0 ft	0.43 fc	1.60 fc	4.8 ft 4.0 ft
12.0 ft	0.34 fc	1.28 fc	5.7 ft 4.7 ft

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

10°x40° Beam Angle



Polar Candela Distribution (HO)

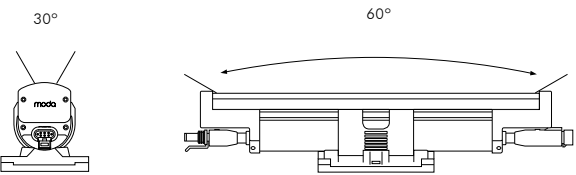


Illuminance at a Distance (HO)

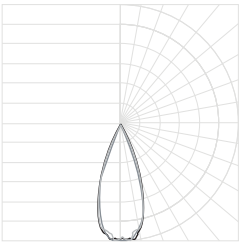
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	34.70 fc	128.93 fc	0.7 ft	0.5 ft
4.0 ft	8.67 fc	32.23 fc	1.5 ft	1.0 ft
6.0 ft	4.33 fc	16.11 fc	2.2 ft	1.4 ft
8.0 ft	2.16 fc	8.05 fc	3.0 ft	1.9 ft
10.0 ft	1.08 fc	4.02 fc	4.6 ft	2.4 ft
12.0 ft	0.86 fc	3.22 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution (HO)

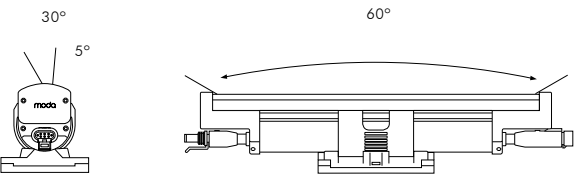


Illuminance at a Distance (HO)

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	88.27 fc	328.61 fc	1.3 ft	2.0 ft
4.0 ft	22.07 fc	82.15 fc	3.1 ft	4.7 ft
6.0 ft	11.03 fc	41.08 fc	4.0 ft	6.6 ft
8.0 ft	5.52 fc	20.54 fc	5.8 ft	9.3 ft
10.0 ft	2.76 fc	10.27 fc	7.0 ft	11.2 ft
12.0 ft	2.21 fc	8.22 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



Polar Candela Distribution (HO)

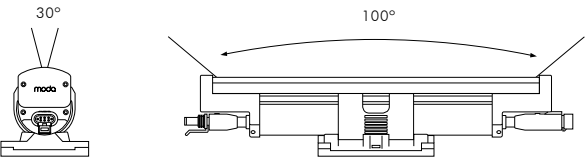


Illuminance at a Distance (HO)

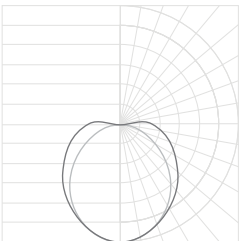
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	12.79 fc	328.61 fc	1.3 ft	0.3 ft
4.0 ft	3.19 fc	82.15 fc	2.6 ft	0.9 ft
6.0 ft	1.59 fc	41.08 fc	3.9 ft	1.3 ft
8.0 ft	0.79 fc	20.54 fc	5.2 ft	1.6 ft
10.0 ft	0.39 fc	10.27 fc	6.5 ft	1.9 ft
12.0 ft	0.31 fc	8.22 fc	7.87 ft	2.6 ft

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

30°x100° Beam Angle



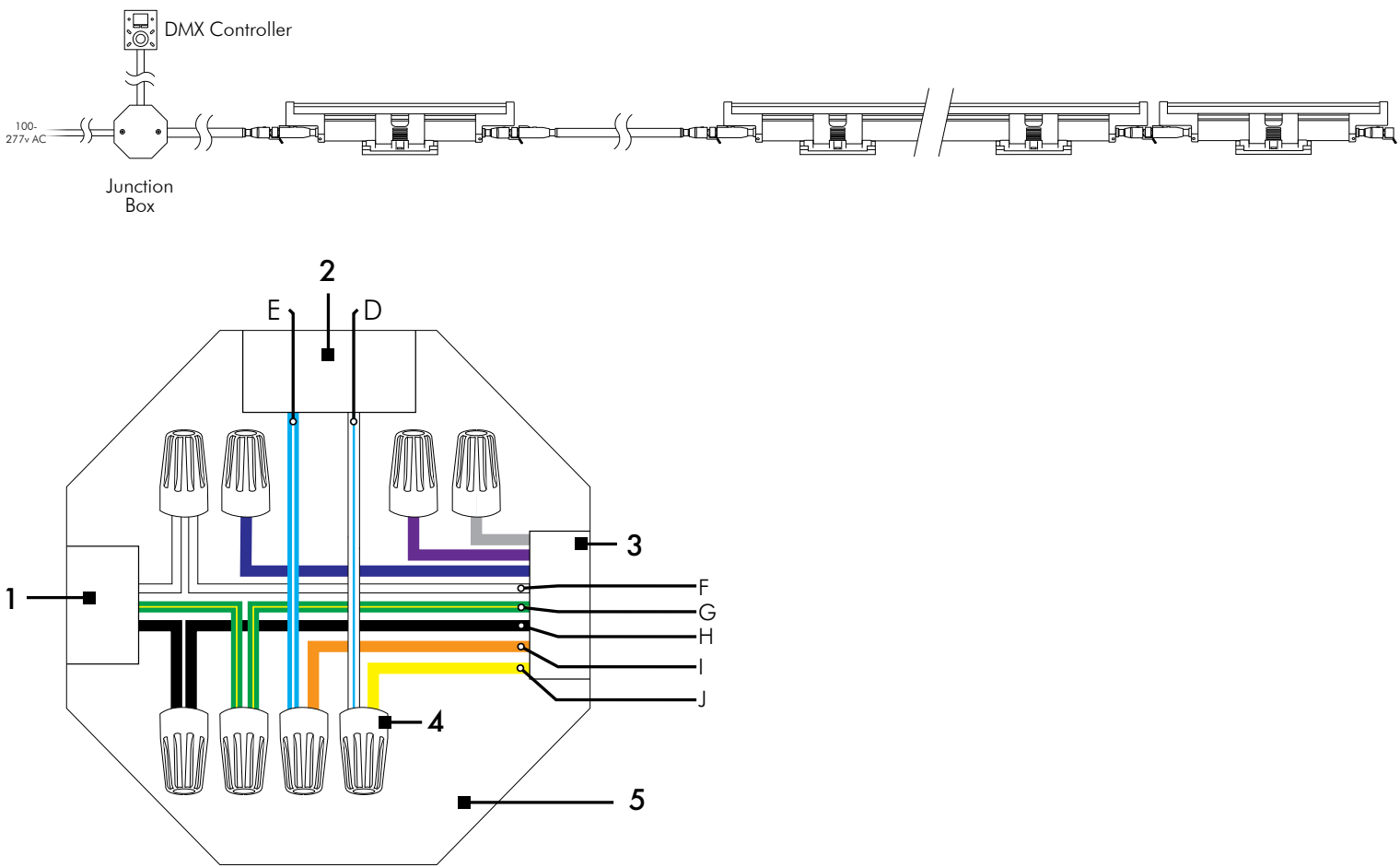
Polar Candela Distribution (HO+)



Illuminance at a Distance (HO+)

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	105.71 fc	422.84 fc	1.3 ft	2.0 ft
4.0 ft	26.42 fc	105.71 fc	3.1 ft	4.2 ft
6.0 ft	13.21 fc	52.85 fc	4.0 ft	6.6 ft
8.0 ft	6.60 fc	26.42 fc	5.8 ft	9.3 ft
10.0 ft	3.30 fc	13.21 fc	7.0 ft	11.2 ft
12.0 ft	2.64 fc	10.57 fc	9.0 ft	14.0 ft

■ Vert. Spread: 30° ■ Horiz. Spread: 100°



Wiring Legend

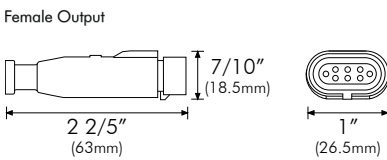
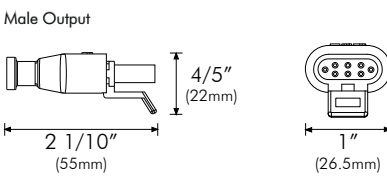
1	Power 100-277V
2	DMX Controller
3	8 Pin Leader Cable
4	Junction Box
5	Wiring Nuts

8 Pin Leader Cable

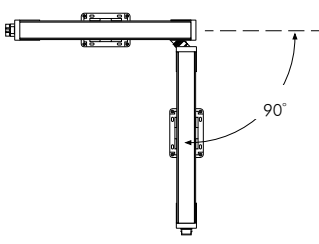
	UL/cUL	CE/CCC*
A Live 100-277V	Black	Brown
B Neutral	White	Blue
C Ground	Green/Yellow	Yellow/Green
D Data Positive	Orange	Orange
E Data Negative	Yellow	Yellow

*not illustrated

DMX Connectors



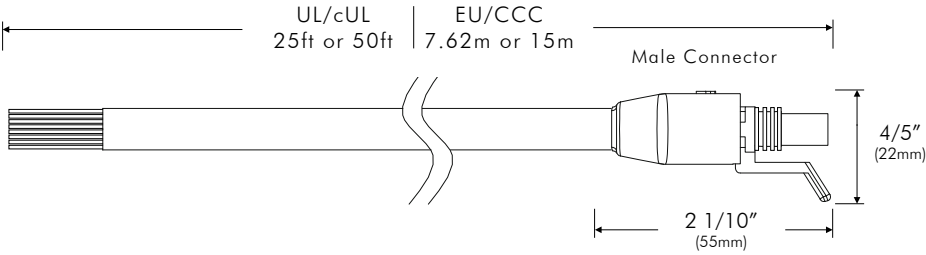
Angle Adjustment



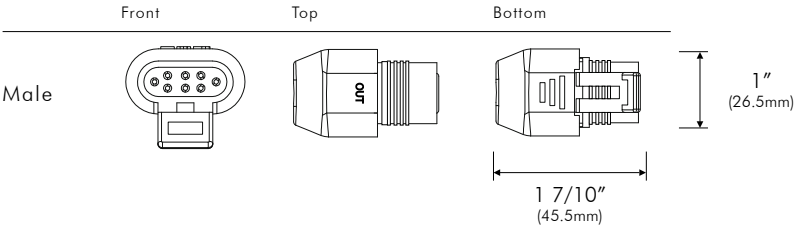
DMX

Moda Graze Exterior 8 Pin Leader Cables

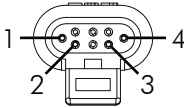
	UL/cUL	EU/CCC
Lengths	25ft and 50ft	7.62m and 15m
Color	Black	Black



Connectors



Pin Assignment

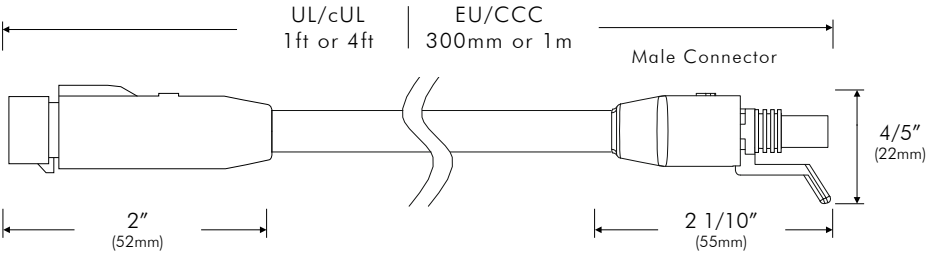


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

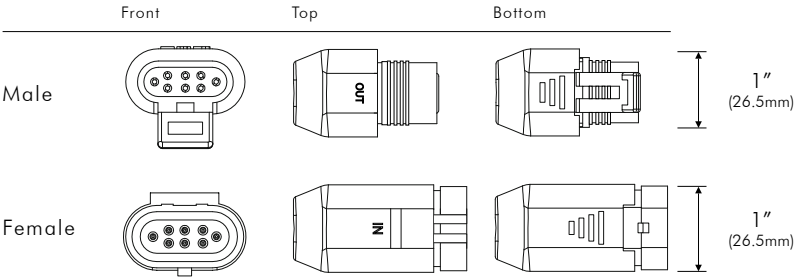
DMX

Moda Graze Exterior 8 Pin Jumper Cables

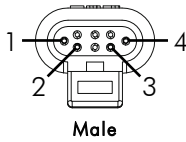
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



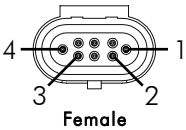
Connectors



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



COMPLETE SKU SAMPLE: MGE-HO-S1-S-DWW-4-140

A - FIXTURE & LOCATION

MGE	—	Moda Graze Exterior
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E - LED COLOR

DW	—	1800K - 3000K (Dynamic Warm)
DWW	—	2200K - 6500K (Dynamic White)
DC	—	3500K - 6500K (Dynamic Cool)

B - LIGHT OUTPUT

SO	—	Standard Output
HO	—	High Output
HOP	—	High Output Plus

F - LENGTH

1	—	1FT
4	—	4FT

C - SERIES NUMBER

S1	—	Series 1
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G - 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°
310**	—	30° x 100°

* Available only for HO

** Available only for SO and HOP

D - PRODUCT FINISH

S	—	Silver
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