

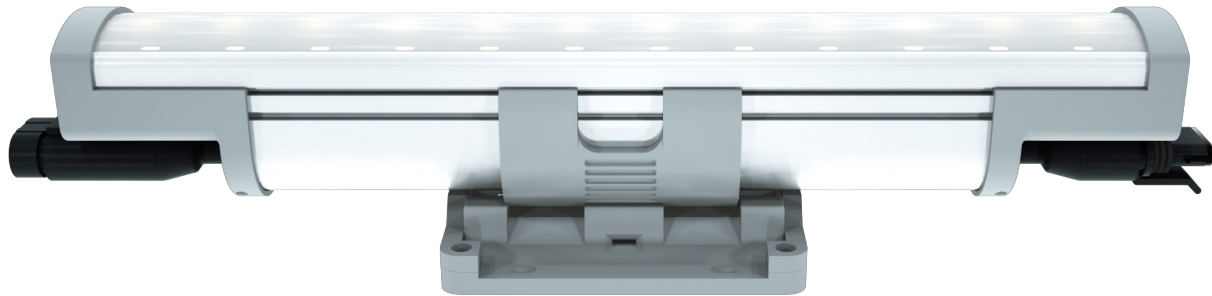
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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. 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 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.

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## 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

	Lumens		Efficacy	
	1FT	4FT	1FT	4FT
HO	952 - 1151	3551 - 4155	95 - 125	88 - 122
HO+	987 - 1141	3950 - 4566	98 - 114	98 - 114

## POWER CONSUMPTION

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

## ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Control	Electronic Low Voltage Reverse Phase Trailing Edge
Power Factor	≥ 0.98

## MAX CONTINUOUS RUN

	120V - 277V AC	
	1FT	4FT
HO	80ft	80ft
HO+	80ft	80ft

## OUTPUT

CCT & SDCM	1800K - 3000K - HO+ only
	2200K - 3000K - HO only
	2 Step MacAdam Ellipse
Beam Angle	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, Forward Throw Asymmetric, or 30°x100° optic options
Color Bin Tolerance	Single Bin
CRI	90-95
Lumen Maintenance	90,000 Hours L50 @ 25°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

## 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**DYNAMIC WARM**<sup>™</sup>

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

moda**GUARD**<sup>™</sup>

moda**SEAL**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

moda**COMMUNICATE**<sup>™</sup>

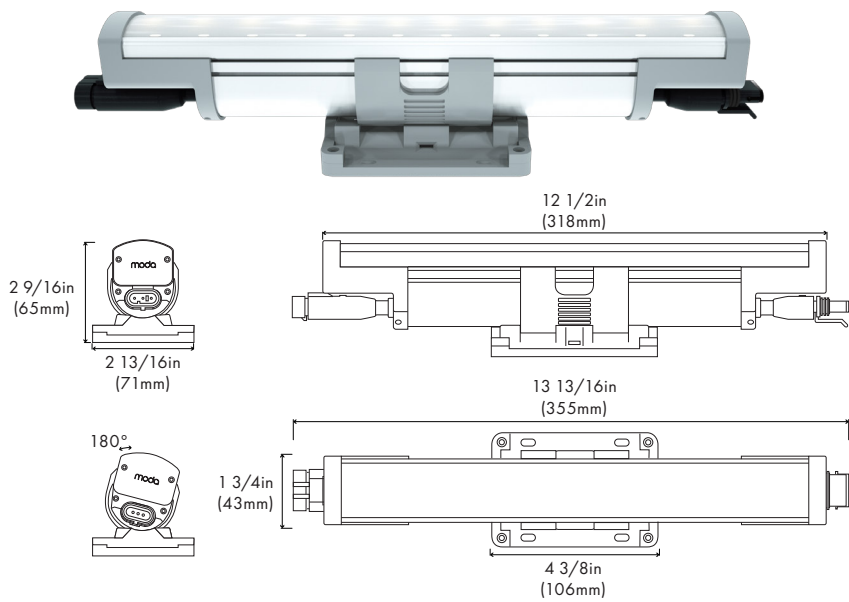
moda**KWIK CONNECT**<sup>™</sup>

## STANDARDS & CERTIFICATIONS



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

Certification	
Class	1
Warranty	3 Year Limited Warranty



DMX

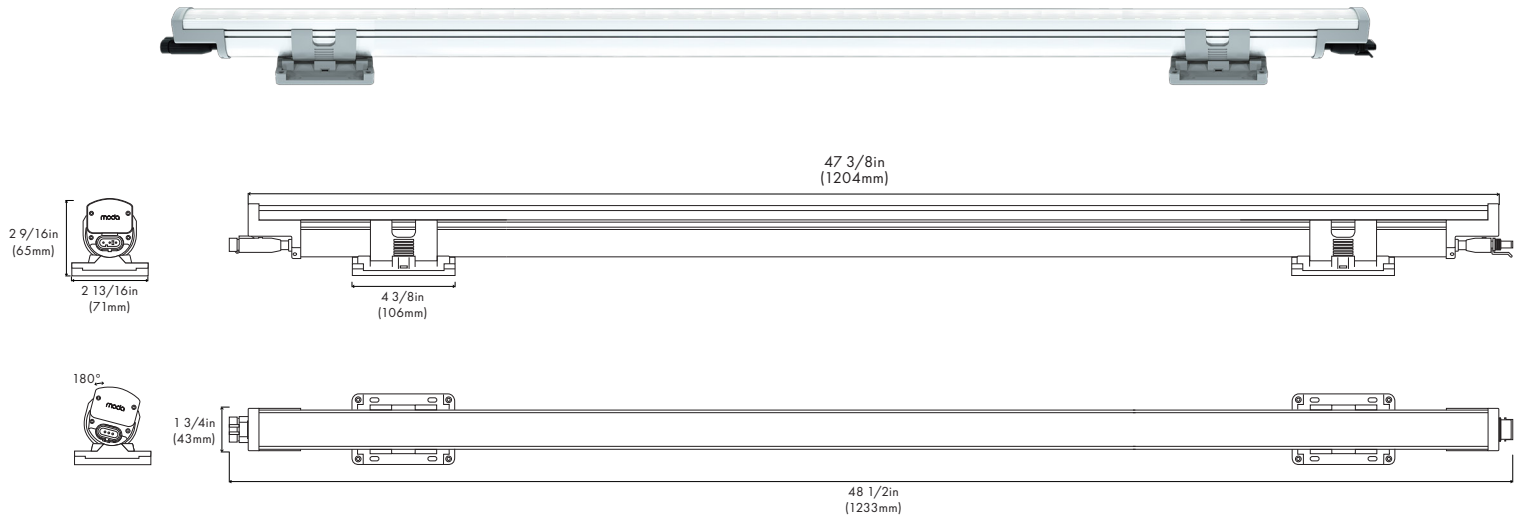
1FT		6°		10°		25°		40°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	2200K - 3000K	995.96 -	99.59 -	985.58 -	98.55 -	973.47 -	97.34 -	964.82 -	96.48 -
		1151.40	125.15	1139.40	113.94	1125.40	112.54	1115.40	111.54

1FT		10°x40°		30°x60°		30°x60°X5°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	2200K - 3000K	957.03 -	95.70 -	954.44 -	95.44 -	952.71 -	95.27 -
		1106.40	110.64	1103.40	110.64	1101.40	110.14

1FT		30°x100°		Output	CRI	Power Consumption		Max Run Lengths	
Output	CCT	Lumens	Efficacy	HO	97	120-277V AC	10W	120-277V AC	80ft
HO+	1800K - 3000K	987.55 - 1141.68	98.75 - 114.16	HO+	98				

BEAM ANGLE

	HO	HO+
6° / 10° / 25° / 40° / 10°x40° / 30°x60°	•	
Forward Throw Asymmetric		
30°x100°		•
	• Available	



DMX

4FT		6°		10°		25°		40°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	2200K -	3594.59 -	89.86 -	3584.21 -	89.60 -	3572.10 -	89.30 -	3563.45 -	89.08 -
	3000K	4155.60	103.89	4143.60	122.05	4129.60	103.24	4119.60	102.99

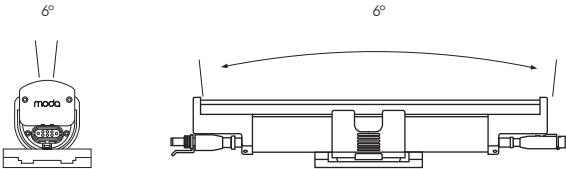
4FT		10°x40°		30°x60°		30°x60°X5°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	2200K -	3555.66 -	88.89 -	3553.07 -	88.82 -	3551.34 -	88.78 -
	3000K	4110.60	118.75	4107.60	102.69	4105.60	102.64

4FT		30°x100°		Output	CRI	Power Consumption	Max Run Lengths
Output	CCT	Lumens	Efficacy	HO	97	120-277V AC 40W	120-277V AC 80ft
HO+	1800K - 3000K	3950.21 - 4566.72	98.75 - 114.16	HO+	98		

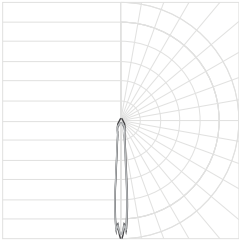
BEAM ANGLE

	HO	HO+
6° / 10° / 25° / 40° / 10°x40° / 30°x60°	•	
Forward Throw Asymmetric		
30°x100°		•
	• Available	

6° Beam Angle



Polar Candela Distribution

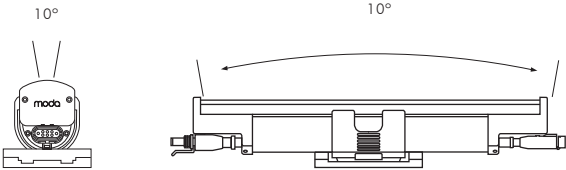


Illuminance at a Distance (HO)

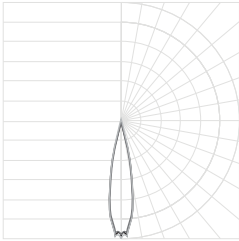
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	52.45 fc	189.23 fc	0.4 ft	0.3 ft
4.0 ft	13.11 fc	47.30 fc	0.8 ft	0.7 ft
6.0 ft	6.55 fc	23.65 fc	1.2 ft	1.1 ft
8.0 ft	3.27 fc	11.82 fc	1.6 ft	1.5 ft
10.0 ft	1.63 fc	5.91 fc	2.1 ft	2.0 ft
12.0 ft	1.31 fc	4.73 fc	2.5 ft	2.4 ft

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

10° Beam Angle



Polar Candela Distribution

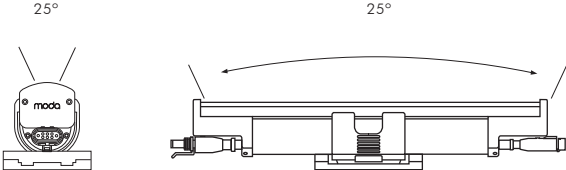


Illuminance at a Distance (HO)

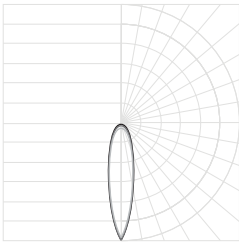
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	49.62 fc	180.47 fc	0.4 ft	0.3 ft
4.0 ft	12.40 fc	45.11 fc	0.8 ft	0.7 ft
6.0 ft	6.20 fc	22.55 fc	1.2 ft	1.1 ft
8.0 ft	3.10 fc	11.27 fc	1.6 ft	1.5 ft
10.0 ft	1.55 fc	5.63 fc	2.1 ft	2.0 ft
12.0 ft	1.24 fc	4.51 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution

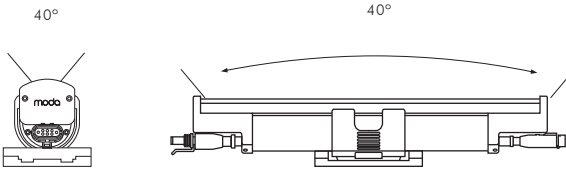


Illuminance at a Distance (HO)

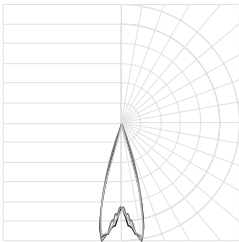
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	30.43 fc	111.67 fc	0.5 ft	0.5 ft
4.0 ft	7.60 fc	27.91 fc	1.0 ft	1.0 ft
6.0 ft	3.80 fc	13.95 fc	1.5 ft	1.6 ft
8.0 ft	1.90 fc	6.97 fc	2.0 ft	2.2 ft
10.0 ft	0.95 fc	3.48 fc	2.5 ft	2.7 ft
12.0 ft	0.76 fc	2.79 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution

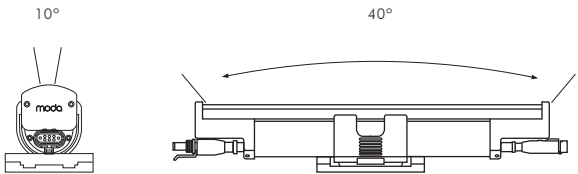


Illuminance at a Distance (HO)

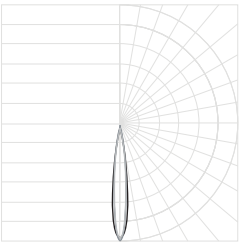
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	13.89 fc	51.30 fc	1.0 ft	0.8 ft
4.0 ft	3.47 fc	12.83 fc	1.9 ft	1.5 ft
6.0 ft	1.73 fc	6.41 fc	2.8 ft	2.4 ft
8.0 ft	0.86 fc	3.21 fc	3.8 ft	3.2 ft
10.0 ft	0.43 fc	1.60 fc	4.8 ft	4.0 ft
12.0 ft	0.34 fc	1.28 fc	5.7 ft	4.7 ft

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

10°x40° Beam Angle



Polar Candela Distribution

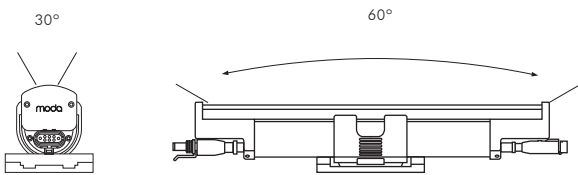


Illuminance at a Distance (HO)

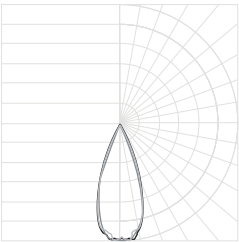
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	34.70 fc	128.93 fc	0.7 ft	0.5 ft
4.0 ft	8.67 fc	32.23 fc	1.5 ft	1.0 ft
6.0 ft	4.33 fc	16.11 fc	2.2 ft	1.4 ft
8.0 ft	2.16 fc	8.05 fc	3.0 ft	1.9 ft
10.0 ft	1.08 fc	4.02 fc	4.6 ft	2.4 ft
12.0 ft	0.86 fc	3.22 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution

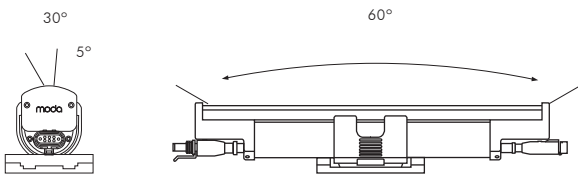


Illuminance at a Distance (HO)

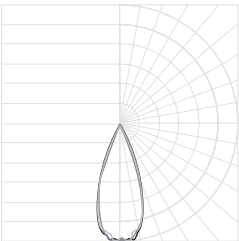
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	88.27 fc	328.61 fc	1.3 ft	2.0 ft
4.0 ft	22.07 fc	82.15 fc	3.1 ft	4.7 ft
6.0 ft	11.03 fc	41.08 fc	4.0 ft	6.6 ft
8.0 ft	5.52 fc	20.54 fc	5.8 ft	9.3 ft
10.0 ft	2.76 fc	10.27 fc	7.0 ft	11.2 ft
12.0 ft	2.21 fc	8.22 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



Polar Candela Distribution

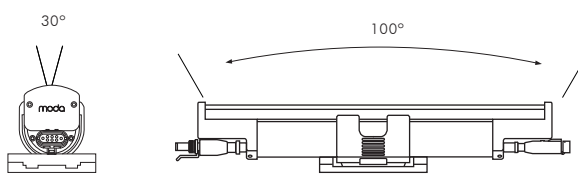


Illuminance at a Distance (HO)

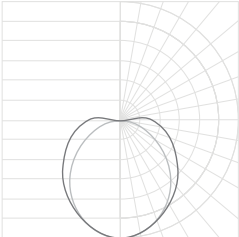
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	12.79 fc	328.61 fc	1.3 ft	0.3 ft
4.0 ft	3.19 fc	82.15 fc	2.6 ft	0.9 ft
6.0 ft	1.59 fc	41.08 fc	3.9 ft	1.3 ft
8.0 ft	0.79 fc	20.54 fc	5.2 ft	1.6 ft
10.0 ft	0.39 fc	10.27 fc	6.5 ft	1.9 ft
12.0 ft	0.31 fc	8.22 fc	7.87 ft	2.6 ft

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

30°x100° Beam Angle



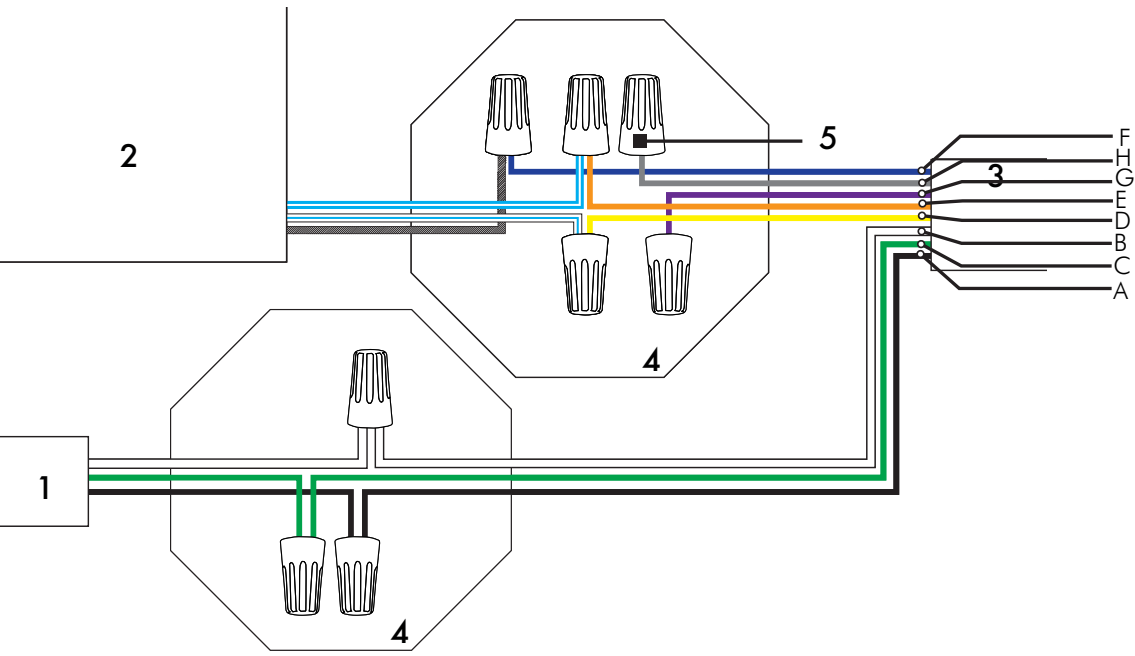
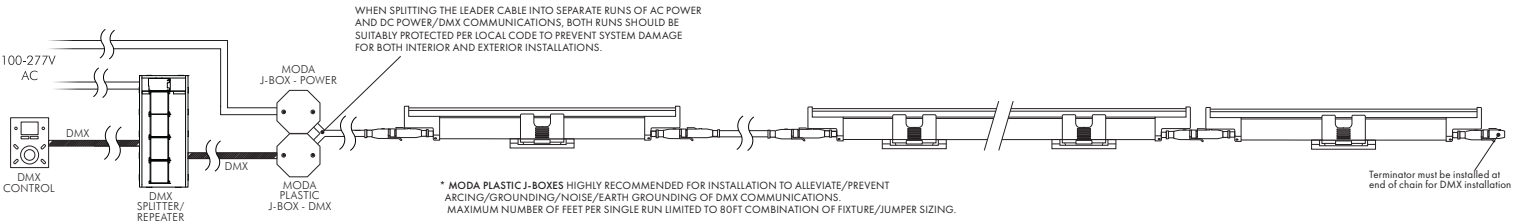
Polar Candela Distribution (HO+)



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 AC
- 2 DMX Splitter/Repeater
- 3 8 Pin Leader Cable
- 4 Junction Box
- 5 Wiring Nuts

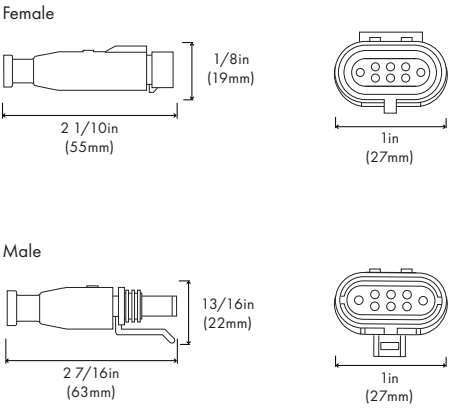
Shielded RS-485	
	DMX Positive
	DMX Negative
	DMX Shield

8 Pin Leader Cable

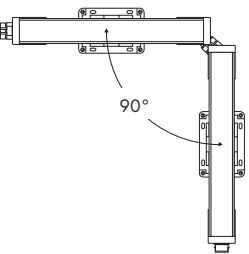
	UL/cUL	CE/CCC*
A 100-277V AC	Black	Brown
B Neutral	White	Blue
C Ground	Green	Green/Yellow
D Data Positive/DC+	Orange	Orange
E Data Negative/DC-	Yellow	Yellow
F DMX Shield	Blue	Blue
G Not Used	Purple	Purple
H Not Used	Gray	Gray

\*Not illustrated

DMX Connectors



Angle Adjustment

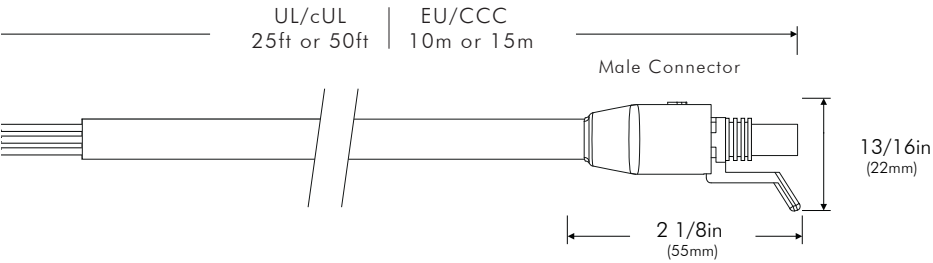




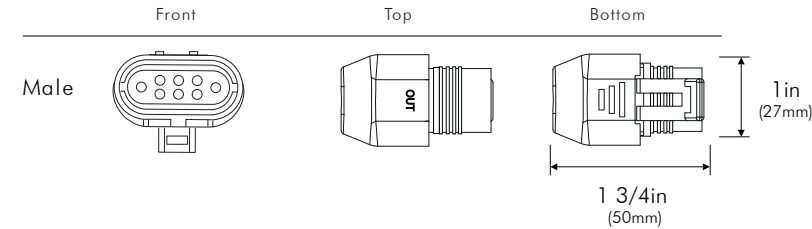
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

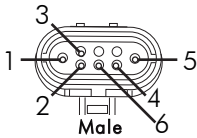
	UL/cUL	EU/CCC
Lengths	25ft and 50ft	10m and 15m
Color	Black	Black



Connectors



Pin Assignment

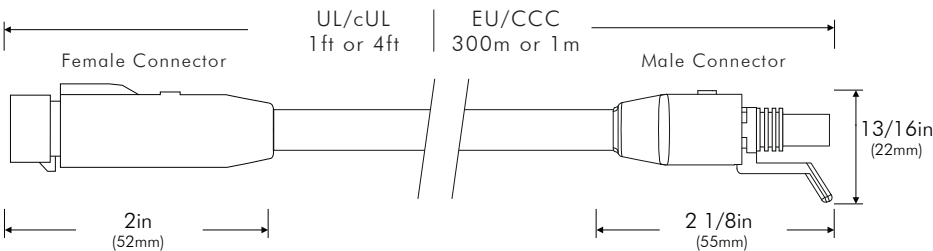


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
4	DMX Positive	Orange	Orange
5	DMX Negative	Yellow	Yellow
6	DMX Shield	Blue	Blue

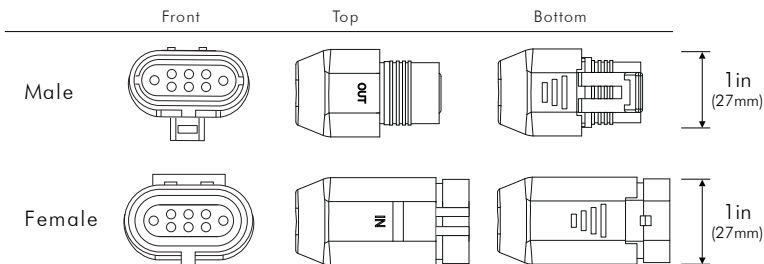
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

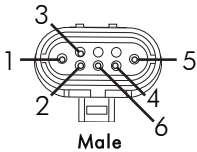
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



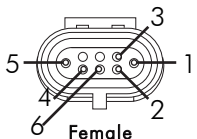
Connectors



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 - - S1 - DWW - -



COMPLETE SKU SAMPLE: MGI-HO-S1-DC-4-25

#### A - FIXTURE & LOCATION

MGE — Moda Graze Exterior

#### B - LIGHT OUTPUT

HO — High Output  
HO+ — High Output Plus

#### C - SERIES NUMBER

S1 — Series 1

#### D - LED COLOR

DWW — Dynamic Warm

\* - Available only in HO      \*\* - Available only in HO+

#### E - LENGTH

1 — 1FT  
4 — 4FT

#### 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\* — Forward Throw Asymmetric  
310\*\* — 30° x 100°

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	MCGE-BL-G

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