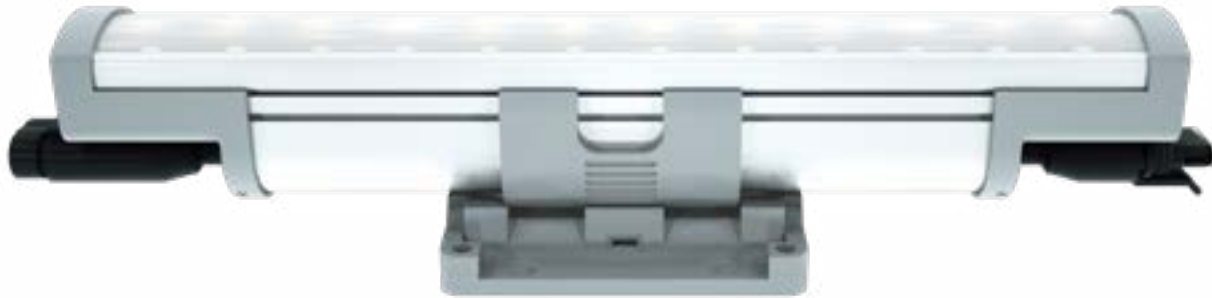


Client: _____ Project Name: _____

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.

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

	Lumens		Efficacy	
	1FT	4FT	1FT	4FT
HO	1036 - 1353	3704 - 4356	103 - 135	92 - 109
HO+	1035 - 1197	4148 - 4795	103 - 119	103 - 119

POWER CONSUMPTION

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

ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Control	DMX512
Power Factor	≥ 0.98

MAX CONTINUOUS RUN

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

OUTPUT

CCT & SDCM	2200K - 6500K 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	95-97
Lumen Maintenance	90,000 Hours L50 @ 25°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

MODA TECHNOLOGY

moda**SOFTWARE**[™]

moda**HARDWARE**[™]

moda**DMX**[™]

moda**DRIVER**[™]

moda**ZERO BIN**[™]

moda**OPTIC**[™]

moda**LINEAR OPTIC**[™]

moda**DYNAMIC WARM**[™]

moda**THERMAL MANAGEMENT**[™]

moda**GUARD**[™]

moda**SEAL**[™]

moda**AIRFLOW**[™]

moda**COMMUNICATE**[™]

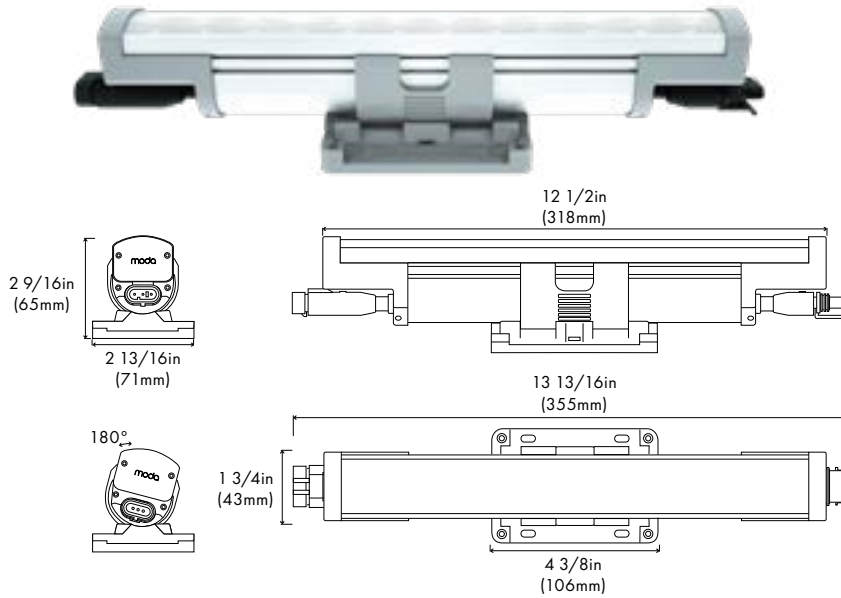
moda**KWIK CONNECT**[™]

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

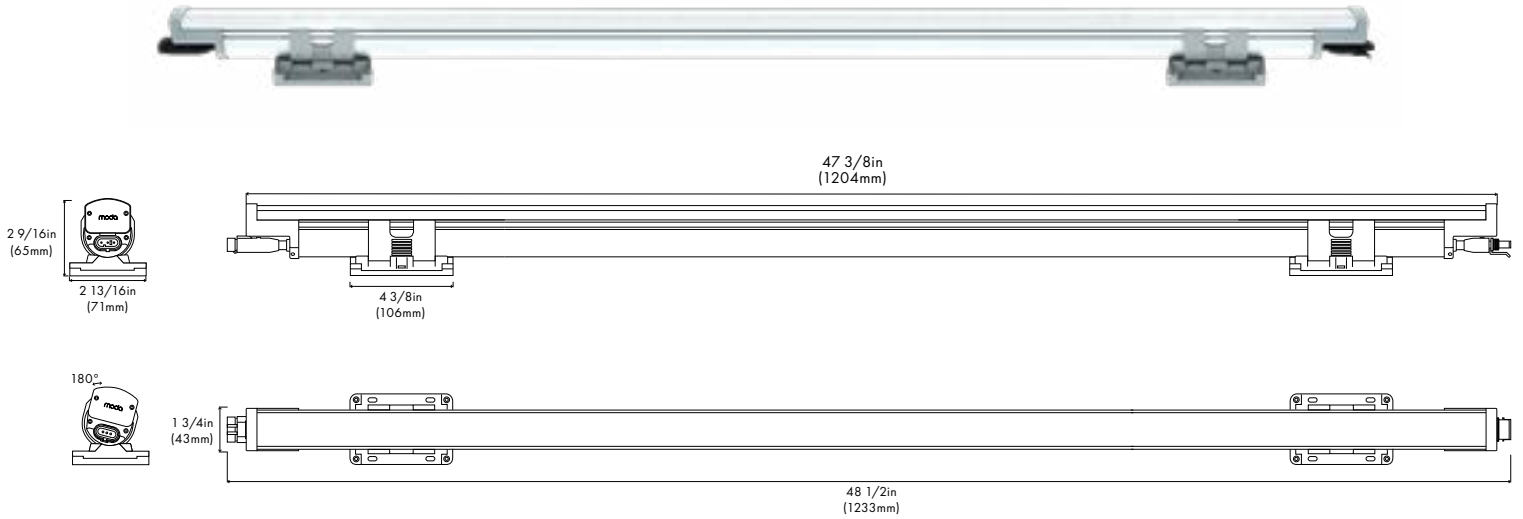
1FT		6°		10°		25°		40°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	2200K -	1208.00 -	120.80 -	1196.00 -	119.60 -	1182.00 -	118.20 -	1172.00 -	117.20 -
	6500K	1353.47	135.34	1341.47	134.14	1327.47	132.74	1317.47	131.74

1FT		10°x40°		30°x60°		30°x60°X5°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	2200K -	1163.00 -	116.30 -	1038.39 -	103.83 -	1036.10 -	103.61 -
	6500K	1308.47	130.84	1184.54	118.45	1182.54	118.25

1FT		30°x100°		Output	CRI	Power Consumption	Max Run Lengths
Output	CCT	Lumens	Efficacy	HO		120-277V AC 10W	120-277V AC 80ft
HO+	2200K -	1035.93 -	103.59 -	HO+	98		
	6500K	1197.61	119.76				

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	3500K -	3704.69 -	92.61 -	3780.81 -	94.52 -	3768.70 -	94.21 -	3760.05 -	94.00 -
	6500K	4346.88	107.07	4370.88	109.27	4356.88	108.92	4346.88	108.67

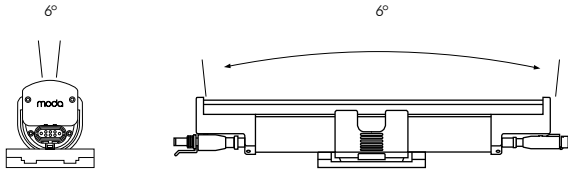
4FT		10°x40°		30°x60°		30°x60°X5°	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	3500K -	3752.26 -	93.80 -	3749.67 -	93.74 -	3747.94 -	93.69 -
	6500K	4337.88	108.44	4334.88	108.37	4332.88	108.32

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+	3500K -	4148.26 -	103.70 -	HO+	98		
	6500K	4795.68	119.89				

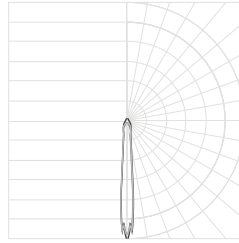
BEAM ANGLE

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

6° Beam Angle



Polar Candela Distribution

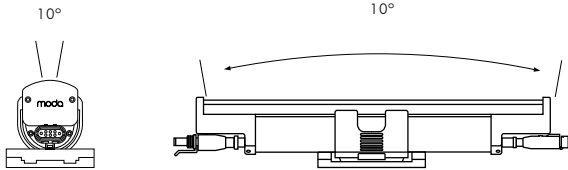


Illuminance at a Distance (HO)

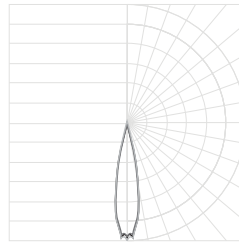
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	52.45 fc	189.23 fc	0.4 ft	0.3 ft
4.0 ft	13.11 fc	47.30 fc	0.8 ft	0.7 ft
6.0 ft	6.55 fc	23.65 fc	1.2 ft	1.1 ft
8.0 ft	3.27 fc	11.82 fc	1.6 ft	1.5 ft
10.0 ft	1.63 fc	5.91 fc	2.1 ft	2.0 ft
12.0 ft	1.31 fc	4.73 fc	2.5 ft	2.4 ft

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

10° Beam Angle



Polar Candela Distribution

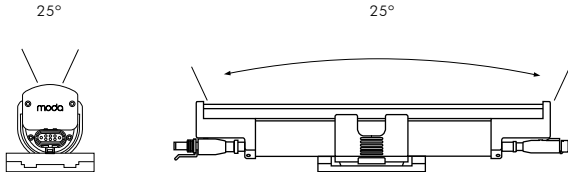


Illuminance at a Distance (HO)

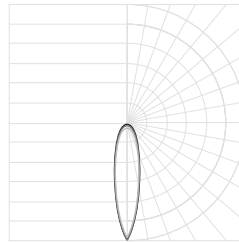
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	49.62 fc	180.47 fc	0.4 ft	0.3 ft
4.0 ft	12.40 fc	45.11 fc	0.8 ft	0.7 ft
6.0 ft	6.20 fc	22.55 fc	1.2 ft	1.1 ft
8.0 ft	3.10 fc	11.27 fc	1.6 ft	1.5 ft
10.0 ft	1.55 fc	5.63 fc	2.1 ft	2.0 ft
12.0 ft	1.24 fc	4.51 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution

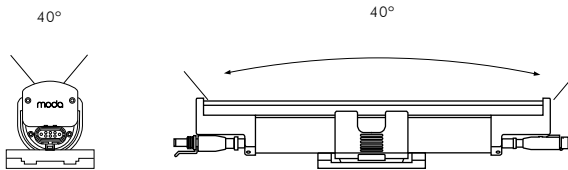


Illuminance at a Distance (HO)

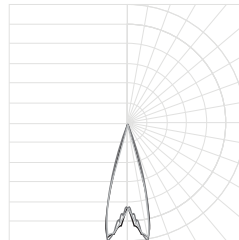
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	30.43 fc	111.67 fc	0.5 ft	0.5 ft
4.0 ft	7.60 fc	27.91 fc	1.0 ft	1.0 ft
6.0 ft	3.80 fc	13.95 fc	1.5 ft	1.6 ft
8.0 ft	1.90 fc	6.97 fc	2.0 ft	2.2 ft
10.0 ft	0.95 fc	3.48 fc	2.5 ft	2.7 ft
12.0 ft	0.76 fc	2.79 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution

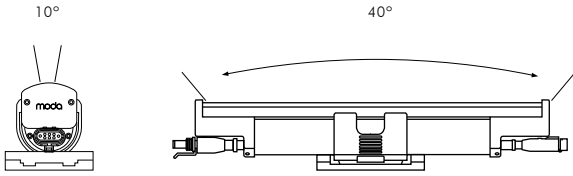


Illuminance at a Distance (HO)

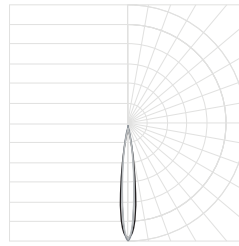
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	13.89 fc	51.30 fc	1.0 ft	0.8 ft
4.0 ft	3.47 fc	12.83 fc	1.9 ft	1.5 ft
6.0 ft	1.73 fc	6.41 fc	2.8 ft	2.4 ft
8.0 ft	0.86 fc	3.21 fc	3.8 ft	3.2 ft
10.0 ft	0.43 fc	1.60 fc	4.8 ft	4.0 ft
12.0 ft	0.34 fc	1.28 fc	5.7 ft	4.7 ft

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

10°x40° Beam Angle



Polar Candela Distribution

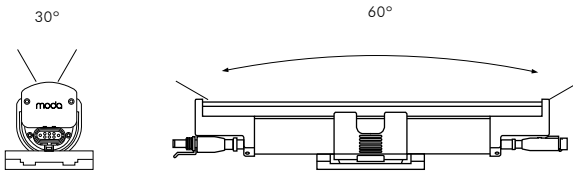


Illuminance at a Distance (HO)

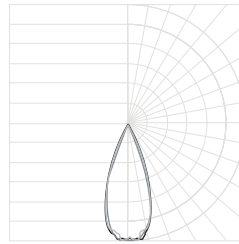
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	34.70 fc	128.93 fc	0.7 ft	0.5 ft
4.0 ft	8.67 fc	32.23 fc	1.5 ft	1.0 ft
6.0 ft	4.33 fc	16.11 fc	2.2 ft	1.4 ft
8.0 ft	2.16 fc	8.05 fc	3.0 ft	1.9 ft
10.0 ft	1.08 fc	4.02 fc	4.6 ft	2.4 ft
12.0 ft	0.86 fc	3.22 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution

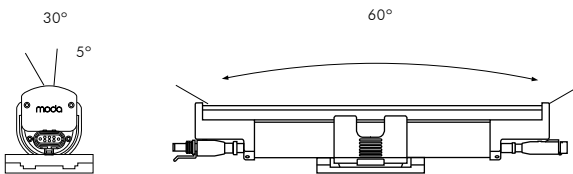


Illuminance at a Distance (HO)

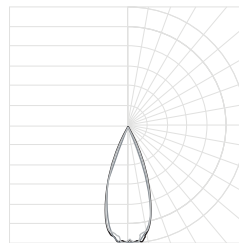
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	88.27 fc	328.61 fc	1.3 ft	2.0 ft
4.0 ft	22.07 fc	82.15 fc	3.1 ft	4.7 ft
6.0 ft	11.03 fc	41.08 fc	4.0 ft	6.6 ft
8.0 ft	5.52 fc	20.54 fc	5.8 ft	9.3 ft
10.0 ft	2.76 fc	10.27 fc	7.0 ft	11.2 ft
12.0 ft	2.21 fc	8.22 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



Polar Candela Distribution

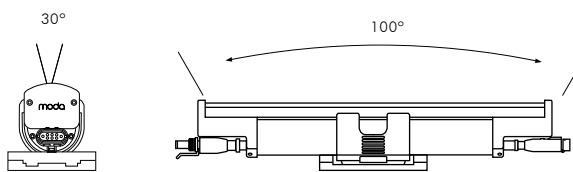


Illuminance at a Distance (HO)

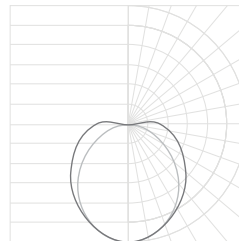
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	12.79 fc	328.61 fc	1.3 ft	0.3 ft
4.0 ft	3.19 fc	82.15 fc	2.6 ft	0.9 ft
6.0 ft	1.59 fc	41.08 fc	3.9 ft	1.3 ft
8.0 ft	0.79 fc	20.54 fc	5.2 ft	1.6 ft
10.0 ft	0.39 fc	10.27 fc	6.5 ft	1.9 ft
12.0 ft	0.31 fc	8.22 fc	7.87 ft	2.6 ft

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

30°x100° Beam Angle



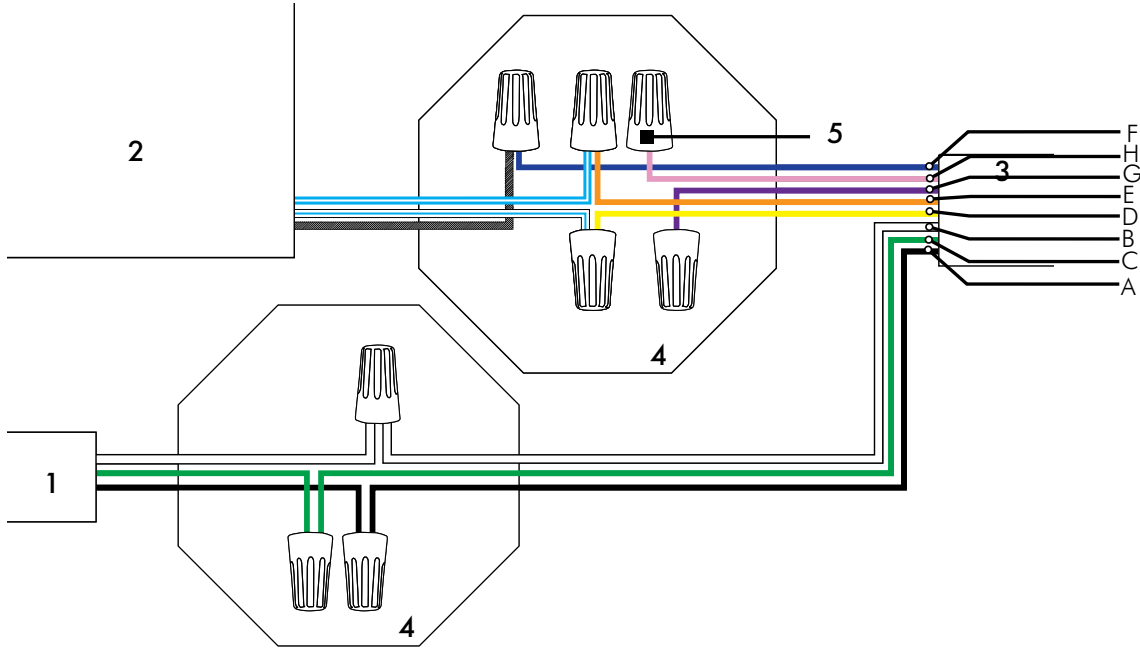
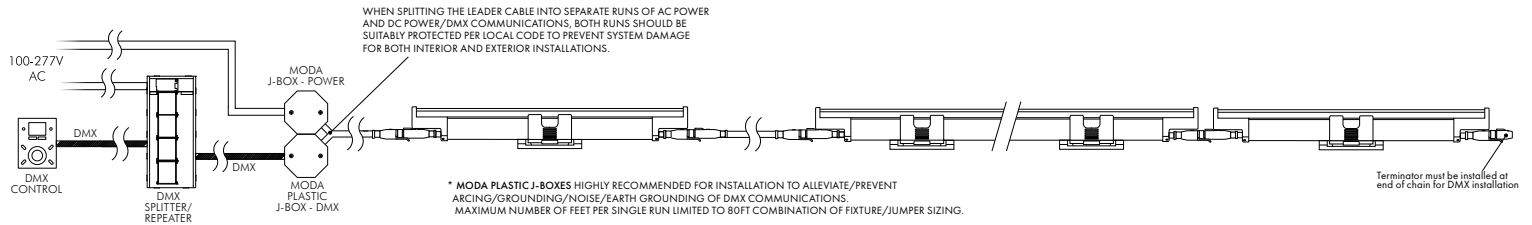
Polar Candela Distribution (HO+)



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°



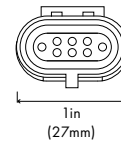
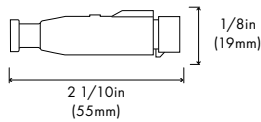
Wiring Legend

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

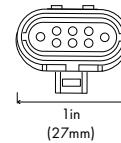
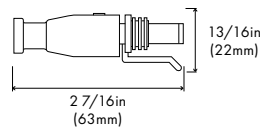
Shielded RS-485	
	DMX Positive
	DMX Negative
	DMX Shield

DMX Connectors

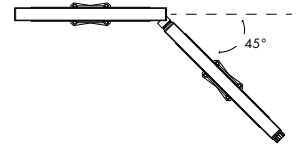
Female



Male



Angle Adjustment



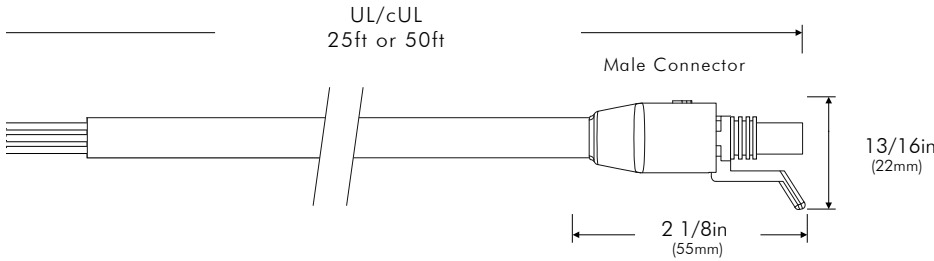
8 Pin Leader Cable

	UL/cUL
A	100-277V AC
B	Neutral
C	Ground
D	Data Positive/DC+
E	Data Negative/DC-
F	DMX Shield
G	Not Used
H	Not Used

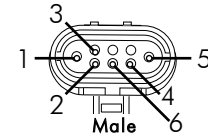
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

	UL/cUL
Lengths	25ft and 50ft
Color	Black

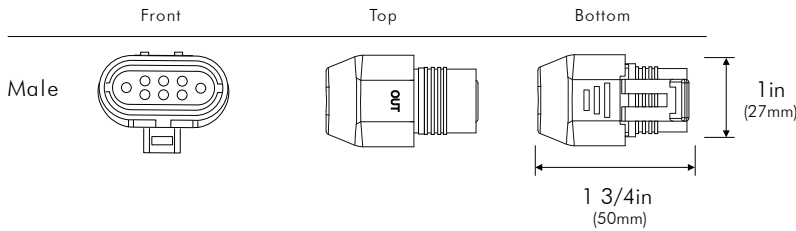


Pin Assignment

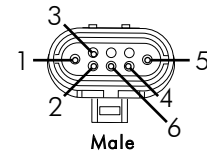


	UL/cUL
1 Live 100-277V	Black
2 Neutral	White
3 Ground	Green
4 DMX Positive	Orange
5 DMX Negative	Yellow
6 DMX Shield	Blue

Connectors



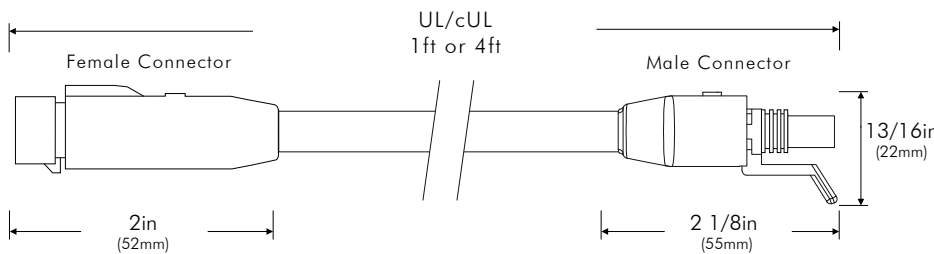
Pin Assignment



DMX JUMPER CABLES

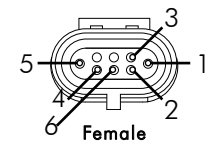
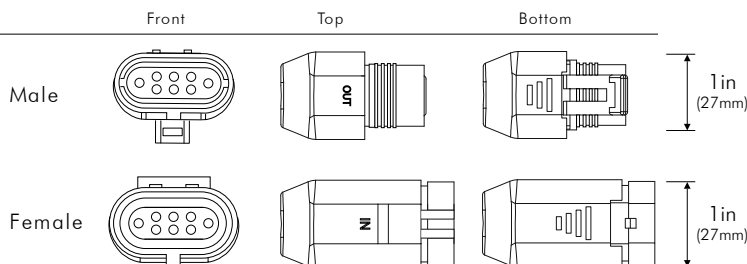
Moda Cove Exterior 8 Pin Jumper Cables

	UL/cUL
Lengths	1ft and 4ft
Color	Black



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

Connectors



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

MGE - - S1 - DW - -



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

DW — Dynamic White

* - 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
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
Pharos TPC	Touch Panel Controller (512 Channels) Black on Black	N/A	TPC BB
Pharos TPC	Touch Panel Controller (512 Channels) Cream on Cream	N/A	TPC CC
Pharos TPC	Touch Panel Controller (512 Channels) White on White	N/A	TPC WW
Pharos LPC1	Lighting Playback Controller (512 Channels)	N/A	LPC1
Pharos LPC2	Lighting Playback Controller (1024 Channels)	N/A	LPC2
Pharos LPC4	Lighting Playback Controller (2048 Channels)	N/A	LPC4
Pharos LPCX	Lighting Playback Controller (10 to 100 DMX universes)	N/A	LPCxxx
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
Pharos PSU 48V/100W	Power Supply 48V DC 2A Mean Well Din Rail	N/A	PSU 48V-100W
Pharos BPS US BB	Button Panel Station US Black-on-Black (Magnetic Overlay)	N/A	BPS US BB
Pharos BPS US CC	Button Panel Station US Cream-on-Cream (Magnetic Overlay)	N/A	BPS US CC
Pharos BPS US WW	Button Panel Station US White-on-White (Magnetic Overlay)	N/A	BPS US WW
Pharos BPS US T2	Button Panel Station US Custom Insert (Type 2 Acrylic Overlay)	N/A	BPS US T2
Pharos TPC-FBB	TPC Flush Mounting Box	N/A	TPC FBB
Pharos TPC-SBB	TPC Surface Mounting Box	N/A	TPC SBB
Pharos EXT	Extension for TOC connectivity (DMX, DALI, IO, serial, mains powered)	N/A	TPC EXT
Pharos Cloud	Contact factory for information & pricing for Pharos Cloud		
Pathway DMX Splitter	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	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	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 for interior use only	SW-L-19827-1-500FT	250-0251
Shielded Cable 1000FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation for interior use only	SW-L-19827-1-1000FT	250-0252