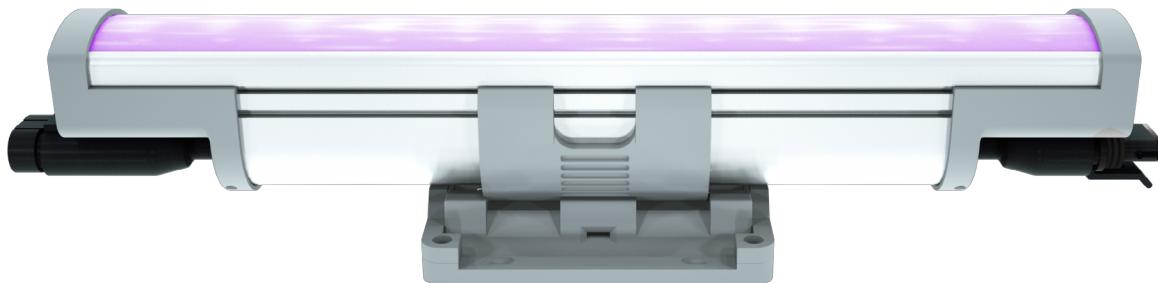


Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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



#### Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a new patent pending cove lighting system designed for exterior applications. Utilizing MODA's latest software and dimming technology with its onboard dimming chipset and MODA firmware, this series can dim to 0% smoothly without any flicker or noise and simultaneously synchronize dim with every fixture. Electronic Low Voltage dimming has no minimum run lengths.

Wall wash any applications with a choice of 6°, 10°, 25°, 40°, 10°x40°, 30°x60° or 30°x60°x5° beam patterns for 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. Fast installation is achieved with MODA KWIK CONNECT plugs and install-integral thumb latch connectors. Rugged aluminum design. Protected from corrosion and harsh weather conditions by MODA GUARD—a tough seal which protects the fixture.

Saturated vivid colors change and enhance any environment. Choose from Red, Green, Blue, Cyan, Amber, Yellow, Golden Yellow, Ice Blue, Light Green, Pink, Violet, or Turquoise. 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	ELV WIRING
9	0-10V TO ELV
10	ACCESSORIES: CABLES
11	Fixture
12	ACCESSORIES

## PHYSICAL

Dimensions	L: 1ft 1 25/32in (349.69mm) W: 2 13/16in(71.81mm) L: 4ft 19/32in (1.23m) H: 2 7/8in(73.42mm)
Applications	Graze, Accent & Indirect General Illumination
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens
Ingress Protection	Dry/Damp Location IP66
Thermal Management	MODA Aluminum Heat Sink
Beam Angle	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, forward throw asymmetric, 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	N/A
Colors	Red, Green, Blue, Amber, Yellow, Pink, Cyan, Violet, Turquoise, Ice Blue, Light Green, Golden Yellow available
Color Bin Tolerance	Single Bin
CRI	N/A
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	Electronic Low Voltage Reverse Phase Trailing Edge
Power Factor	≥ 0.98

Due to continuous improvements and innovations, specifications may change without notice.  
Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.

## COLORS

	HO	HO+
Red	•	•
Green	•	•
Blue	•	•
Amber	•	•
Cyan		•
Ice Blue		•
Light Green		•
Yellow		•
Golden		•
Yellow		•
Turquoise		•
Pink		•
Violet		•

## BEAM ANGLES

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

• Available

## MODA TECHNOLOGY

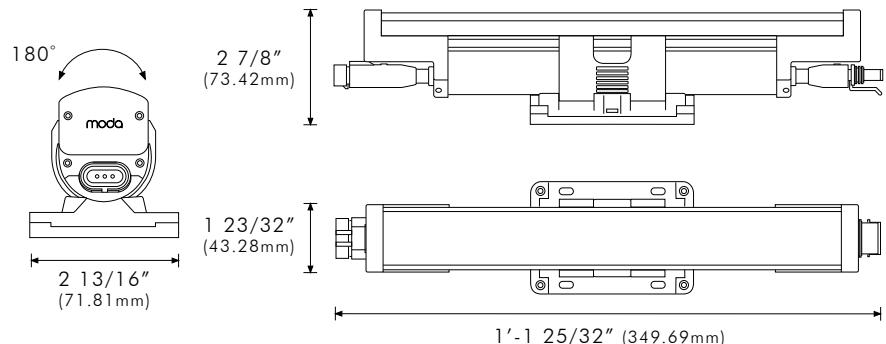
modaSOFTWARE™	modaZERO BIN™
modaHARDWARE™	modaTHERMAL MANAGEMENT™
modaDYNAMIC WARM™	modaAIRFLOW™
modaPHOSPHOR™	modaCOMMUNICATE™
modaDRIVER™	modaKWIK CONNECT™
modaGUARD™	modaSEAL™



**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

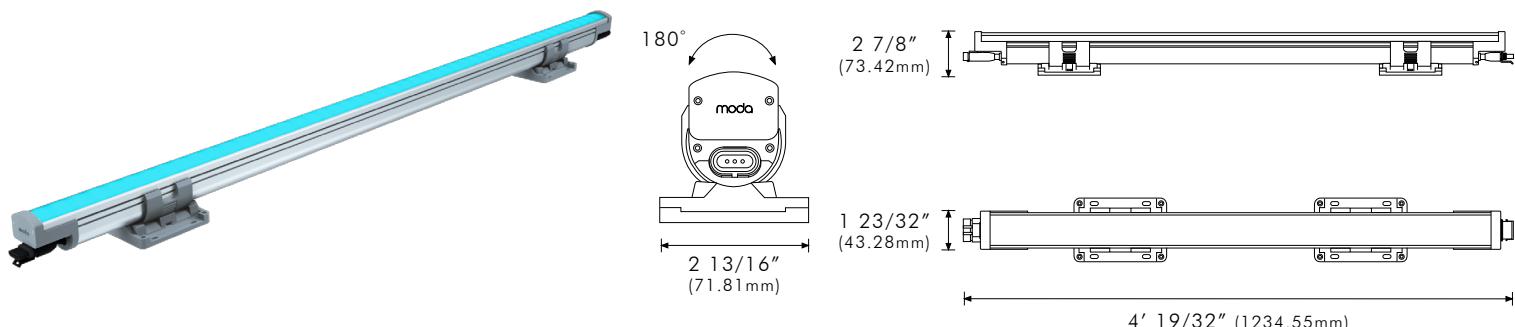


## ELV

Output	CCT	6°		10°		25°		40°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	918.00	91.80	906.00	90.60	892.00	89.20	882.00	88.20
	Green	1098.00	109.80	1086.00	108.60	1072.00	107.20	1062.00	106.20
	Blue	642.00	64.20	630.00	63.00	616.00	61.60	606.00	60.60
	Amber	1038.00	103.80	1026.00	102.60	1012.00	101.20	1002.00	100.20

Output	CCT	10°x40°		30°x60°		Forward Throw Asymmetric	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	873.00	87.30	870.00	87.00	868.00	86.80
	Green	1053.00	105.30	1050.00	105.00	1048.00	104.80
	Blue	597.00	59.70	594.00	59.40	592.00	59.20
	Amber	993.00	99.30	999.00	99.00	988.00	98.80

Output	CCT	30°x100°		Power Consumption	Max Run Length	
		Lumens	Efficacy		100-277V AC	120V AC
HO+	Red	288.00	28.00	HO	10W	60 ft
	Green	336.00	33.60			120 ft
	Blue	240.00	24.00	HO+	10W	60 ft
	Amber	384.00	38.40			120 ft
	Cyan	1104.00	110.40			
	Ice Blue	648.00	64.80			
	Light Green	912.00	91.20			
	Yellow	360.00	36.00			
	Golden Yellow	792.00	79.20			
	Turquoise	288.00	28.80			
	Pink	362.00	36.20			
	Violet	312.00	31.20			



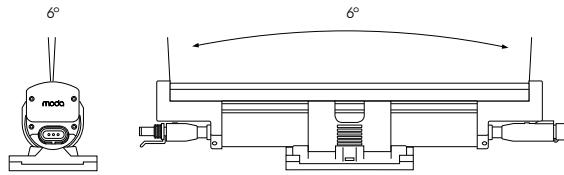
## ELV

Output	CCT	6°		10°		25°		40°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	3222.00	80.55	3210.00	80.25	3196.00	79.90	3186.00	79.65
	Green	3942.00	98.55	3950.00	98.75	3930.00	98.25	3906.00	97.65
	Blue	2118.00	52.95	2106.00	52.65	2092.00	52.30	2082.00	52.05
	Amber	3702.00	92.55	3690.00	92.25	3676.00	91.90	3666.00	91.65

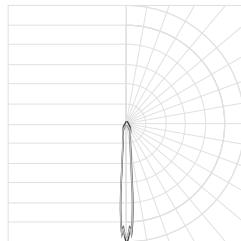
Output	CCT	10°x40°		30°x60°		Forward Throw Asymmetric	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	3177.00	79.42	3174.00	79.35	3172.00	79.30
	Green	3897.00	97.42	3894.00	97.35	3892.00	97.30
	Blue	2073.00	51.82	2070.00	51.75	2068.00	51.70
	Amber	3657.00	91.42	3654.00	91.35	3652.00	91.30

Output	CCT	30°x100°		Power Consumption	Max Run Length	
		Lumens	Efficacy		100-277V AC	120V AC
HO+	Red	1150.00	28.75	HO	40W	60 ft
	Green	1339.00	33.47			120 ft
	Blue	958.00	23.95	HO+	40W	60 ft
	Amber	2880.00	72.00			120 ft
	Cyan	4420.00	110.50			
	Ice Blue	2587.00	64.67			
	Light Green	3644.00	91.10			
	Yellow	1435.00	35.87			
	Golden Yellow	3164.00	79.10			
	Turquoise	1151.00	28.77			
	Pink	1447.00	36.17			
	Violet	1242.00	31.05			

6° Beam Angle



Polar Candela Distribution  
(HO Green)



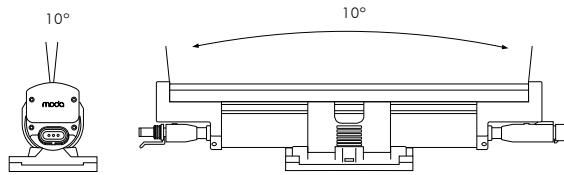
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width	
	1 Foot	4 Foot
2.0 ft	50.00 fc	179.50 fc
4.0 ft	12.50 fc	44.87 fc
6.0 ft	6.25 fc	22.43 fc
8.0 ft	3.12 fc	11.21 fc
10.0 ft	1.56 fc	5.60 fc
12.0 ft	1.25 fc	4.48 fc

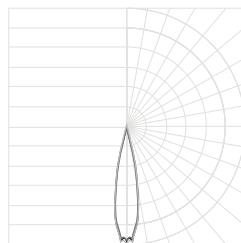
■ Vert. Spread: 6°

▲ Horiz. Spread: 6°

10° Beam Angle



Polar Candela Distribution  
(HO Green)



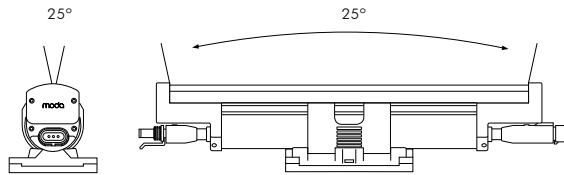
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width	
	1 Foot	4 Foot
2.0 ft	47.29 fc	172.03 fc
4.0 ft	11.82 fc	43.00 fc
6.0 ft	5.91 fc	21.50 fc
8.0 ft	2.95 fc	10.75 fc
10.0 ft	1.47 fc	5.37 fc
12.0 ft	1.18 fc	4.30 fc

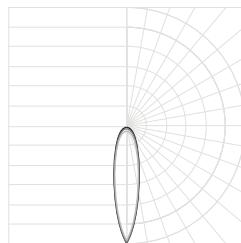
■ Vert. Spread: 10°

▲ Horiz. Spread: 10°

25° Beam Angle



Polar Candela Distribution  
(HO Green)



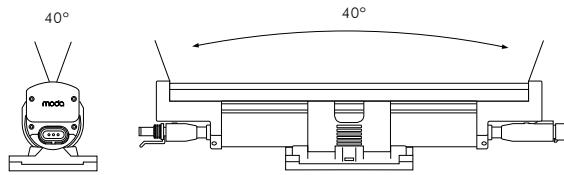
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width	
	1 Foot	4 Foot
2.0 ft	28.98 fc	106.27 fc
4.0 ft	7.24 fc	26.56 fc
6.0 ft	3.62 fc	13.28 fc
8.0 ft	1.81 fc	6.64 fc
10.0 ft	0.90 fc	3.32 fc
12.0 ft	0.72 fc	2.65 fc

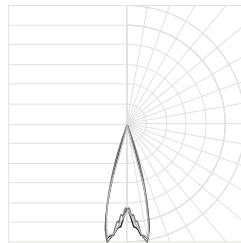
■ Vert. Spread: 25°

▲ Horiz. Spread: 25°

40° Beam Angle



Polar Candela Distribution  
(HO Green)



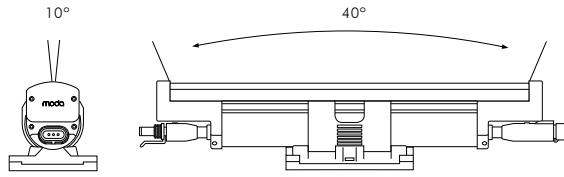
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width	
	1 Foot	4 Foot
2.0 ft	13.22 fc	48.64 fc
4.0 ft	3.30 fc	12.16 fc
6.0 ft	1.65 fc	6.08 fc
8.0 ft	0.82 fc	3.04 fc
10.0 ft	0.41 fc	1.52 fc
12.0 ft	0.33 fc	1.21 fc

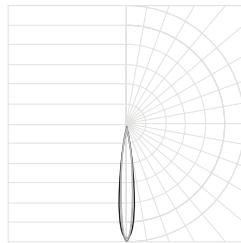
■ Vert. Spread: 40°

▲ Horiz. Spread: 40°

10°x40° Beam Angle



Polar Candela Distribution  
(HO Green)



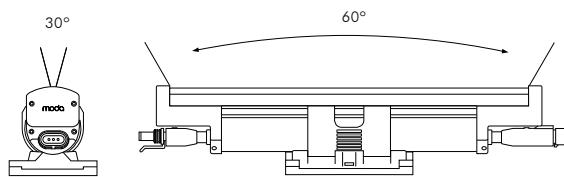
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width		
	1 Foot	4 Foot	
2.0 ft	33.03 fc	122.23 fc	0.7 ft      0.5 ft
4.0 ft	8.25 fc	30.55 fc	1.5 ft      1.0 ft
6.0 ft	4.12 fc	15.27 fc	2.2 ft      1.4 ft
8.0 ft	2.06 fc	7.63 fc	3.0 ft      1.9 ft
10.0 ft	1.03 fc	3.81 fc	4.6 ft      2.4 ft
12.0 ft	0.82 fc	3.05 fc	4.4 ft      3.0 ft

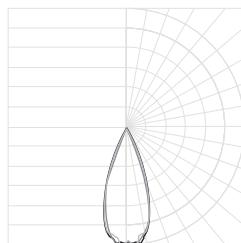
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▲ Horiz. Spread: 40°

30°x60° Beam Angle



Polar Candela Distribution  
(HO Green)



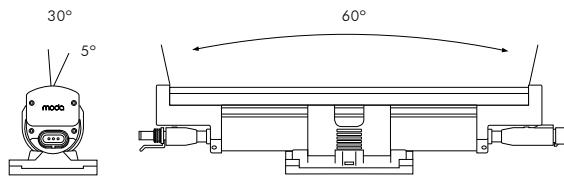
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width		
	1 Foot	4 Foot	
2.0 ft	84.00 fc	311.52 fc	1.3 ft      2.0 ft
4.0 ft	21.00 fc	77.88 fc	3.1 ft      4.7 ft
6.0 ft	10.50 fc	38.94 fc	4.0 ft      6.6 ft
8.0 ft	5.25 fc	19.47 fc	5.8 ft      9.3 ft
10.0 ft	2.62 fc	9.73 fc	7.0 ft      11.2 ft
12.0 ft	2.10 fc	7.78 fc	9.0 ft      14.0 ft

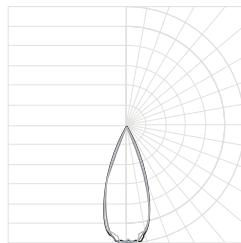
■ Vert. Spread: 30°

▲ Horiz. Spread: 60°

30°x60°x5° Beam Angle



Polar Candela Distribution  
(HO Green)



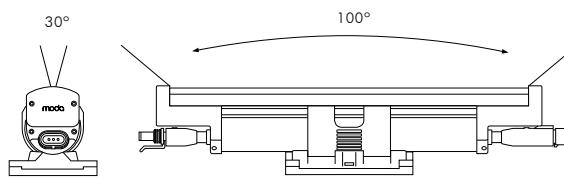
Illuminance at a Distance (HO Green)

Center Beam FC	Beam Width		
	1 Foot	4 Foot	
2.0 ft	12.17 fc	45.22 fc	1.3 ft      0.3 ft
4.0 ft	3.04 fc	11.30 fc	2.6 ft      0.9 ft
6.0 ft	1.52 fc	5.65 fc	3.9 ft      1.3 ft
8.0 ft	0.76 fc	2.82 fc	5.2 ft      1.6 ft
10.0 ft	0.38 fc	1.41 fc	6.5 ft      1.9 ft
12.0 ft	0.30 fc	1.13 fc	7.8 ft      2.6 ft

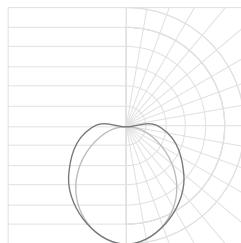
■ Vert. Spread: 30°

▲ Horiz. Spread: 60°

30°x100° Beam Angle



Polar Candela Distribution  
(HO+ Cyan)

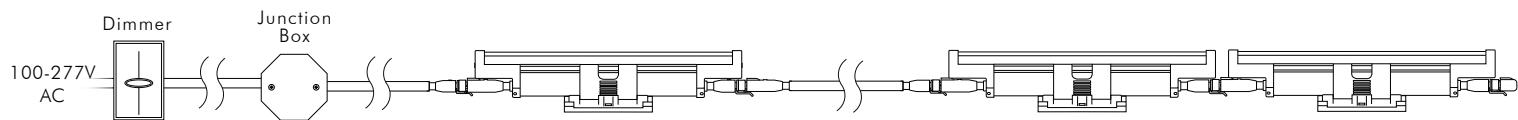


Illuminance at a Distance (HO+ Cyan)

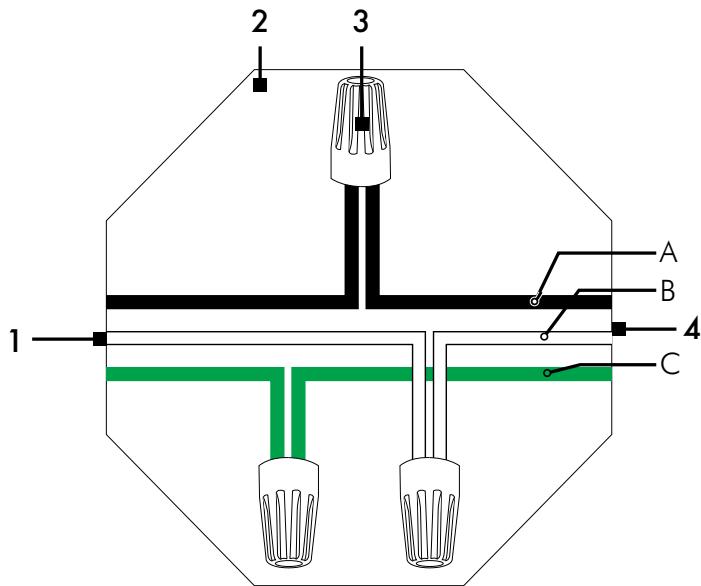
Center Beam FC	Beam Width		
	1 Foot	4 Foot	
2.0 ft	102.22 fc	409.25 fc	1.3 ft      2.0 ft
4.0 ft	25.55 fc	102.31 fc	3.1 ft      4.2 ft
6.0 ft	12.77 fc	51.15 fc	4.0 ft      6.6 ft
8.0 ft	6.38 fc	25.57 fc	5.8 ft      9.3 ft
10.0 ft	3.19 fc	12.78 fc	7.0 ft      11.2 ft
12.0 ft	2.55 fc	10.23 fc	9.0 ft      14.0 ft

■ Vert. Spread: 30°

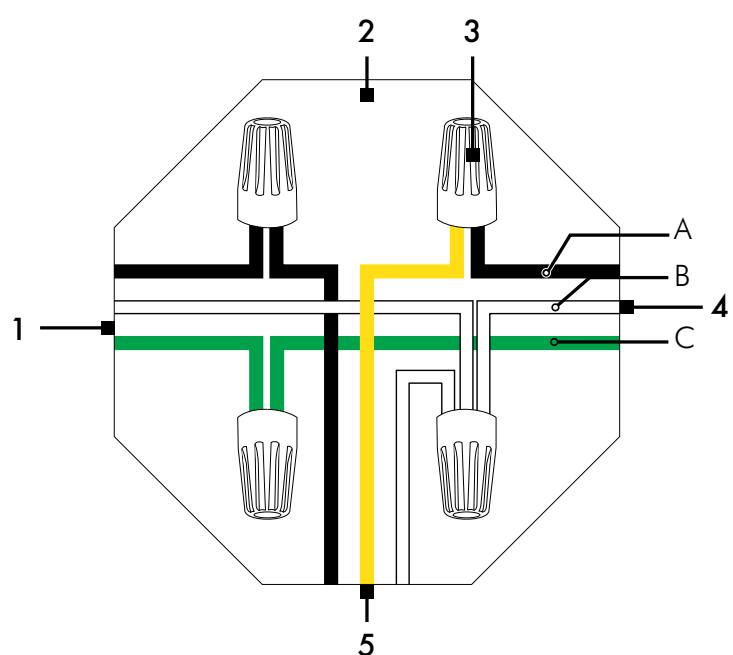
▲ Horiz. Spread: 100°



UL / cUL Non-dimming



UL / cUL ELV Dimming



#### Wiring Legend

1	Power 100-277V AC
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

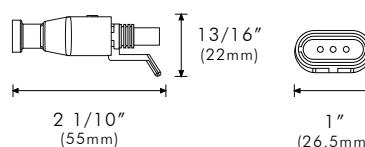
#### 3 Pin Leader Cable

	UL/cUL	CE/CCC*
A	Live 100-277V AC	— Black
B	Neutral	— White
C	Ground	— Green — Green/Yellow

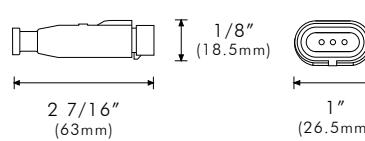
\*Not illustrated

#### ELV Connectors

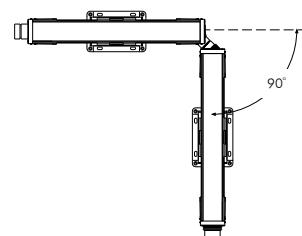
##### Female

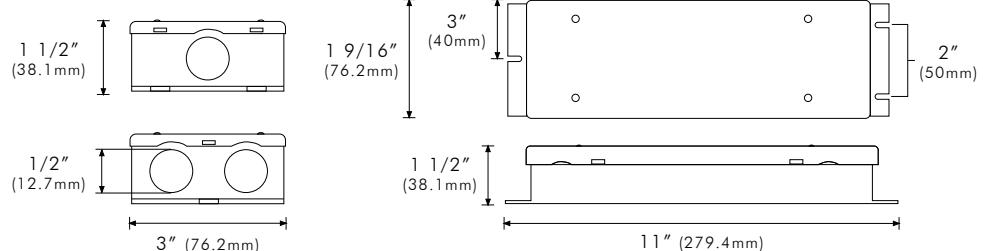


##### Male



#### Angle Adjustment

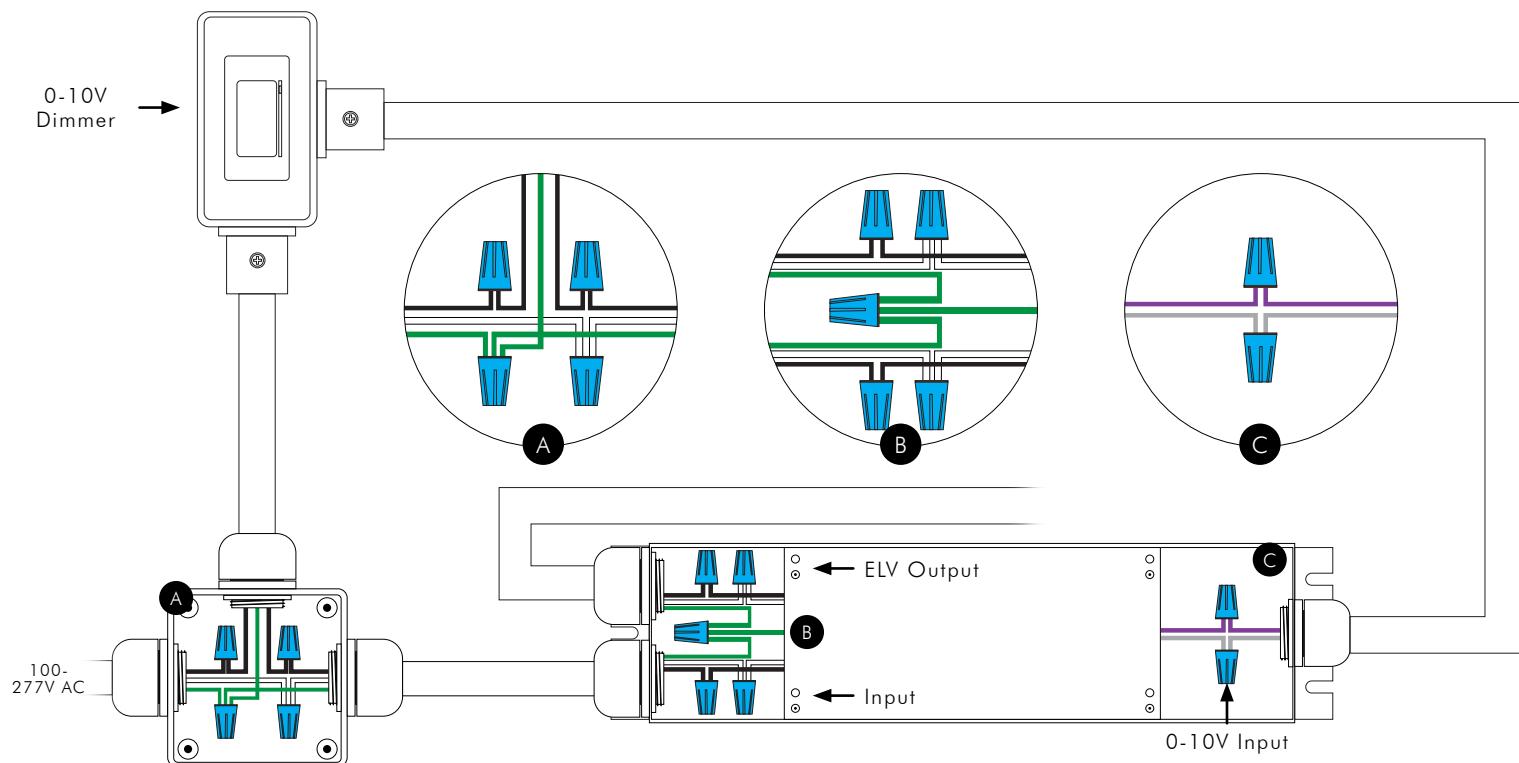




## MODA BRIDGE 1

### Converting 0-10V to ELV.

MODA BRIDGE 1 solves many installation issues. It accepts a standard 0-10V signal from most dimmers and dimming systems and internally converts this signal into a Electronic Low Voltage (ELV) signal. Thus enabling 0-10V control of an ELV fixture. It is optimized to perform precise smooth flicker free dimming down to 0%. Simple wiring with its integral 1/2" holes which accepts liquid tight or interior conduit connectors. Wire to any 100-277V 50/60 Hz feed. Power up to 840W of fixtures at 120V, 1600W at 230V, and 1900W at 277V. Fully potted enables the installer to mount this product virtually anywhere with its Wet Location IP65 rating. Fully protected from surge, short circuit, open circuit and over temperature. Power Input and data interface protected with High Grade Surge Protection. Designed and developed by MODA LIGHT, Las Vegas USA



#### Input

	UL/cUL	CE/CCC*
Live 100-277V AC	— Black	— Brown
Neutral	— White	— Blue
Ground	— Green	— Green/Yellow
0-10V / Data +	— Purple	— Purple
0-10V / Data -	— Grey	— Grey

\*Not illustrated

#### Output

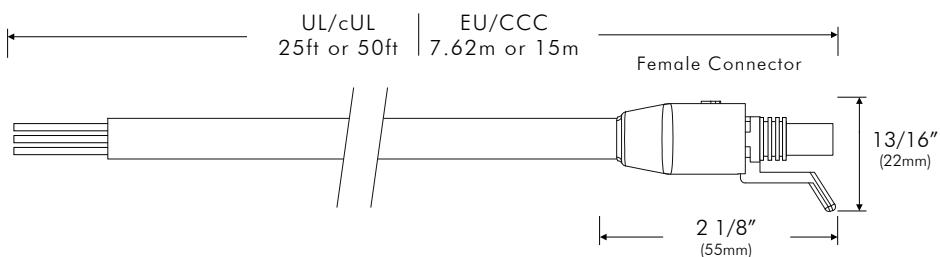
	UL/cUL	CE/CCC*
Live 100-277V AC	— Black	— Brown
Neutral	— White	— Blue
Ground	— Green	— Green/Yellow

\*Not illustrated

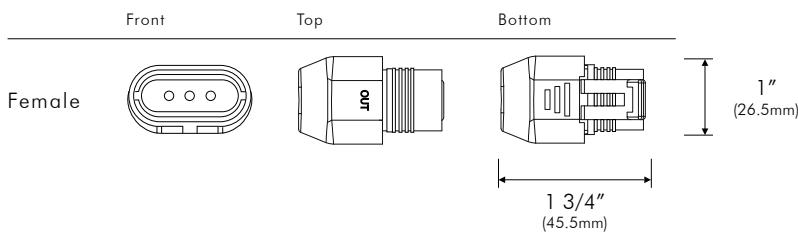
## ELV Leader Cables

### Moda Cove Exterior 3 Pin Leader Cables

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



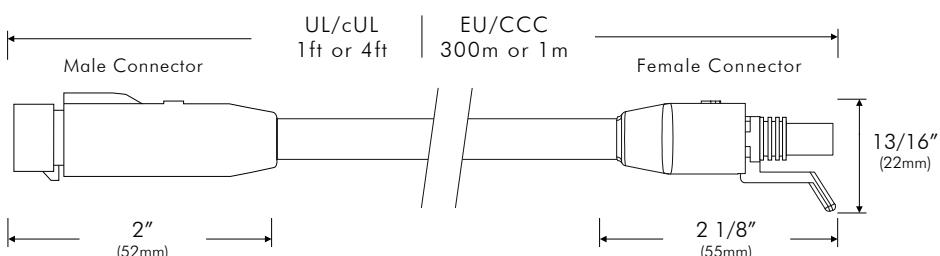
### Connectors



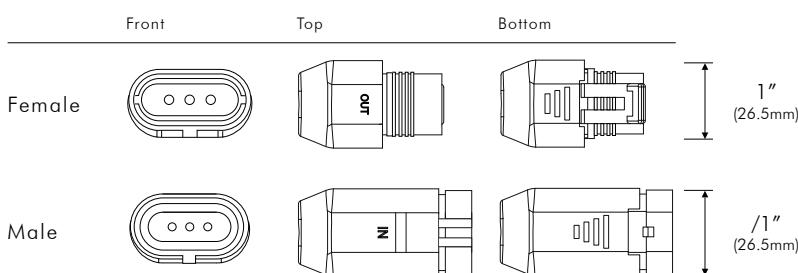
## ELV Jumper Cables

### Moda Cove Exterior 3 Pin Jumper Cables

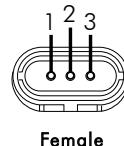
	UL/cUL Lengths Color	EU/CCC Lengths Color
	1ft and 4ft Black	300mm and 1m Black



### Connectors

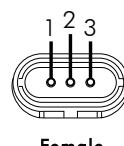


### Pin Assignment

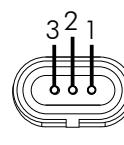


	UL/cUL	EU/CCC
1	Live 100-277V Black	Brown
2	Ground Green	Yellow/Green
3	Neutral White	Blue

### Pin Assignment



	UL/cUL	EU/CCC
1	Live 100-277V Black	Brown
2	Ground Green	Yellow/Green
3	Neutral White	Blue



	UL/cUL	EU/CCC
1	Live 100-277V Black	Brown
2	Ground Green	Yellow/Green
3	Neutral White	Blue



COMPLETE SKU SAMPLE: MGE-HOP-S1-S-IB-1-310

#### A - FIXTURE & LOCATION

MGE — Moda Graze Exterior

#### B - LIGHT OUTPUT

HO — High Output

HOP — High Output Plus

#### C - SERIES NUMBER

S1 — Series 1

#### D - PRODUCT FINISH

S — Silver

#### E - LED COLOR

R	—	Red
A	—	Amber
GY*	—	Golden Yellow
Y*	—	Yellow
LG*	—	Light Green
G	—	Green
IB*	—	Ice Blue
TQ*	—	Turquoise
C*	—	Cyan
B	—	Blue
V*	—	Violet
P*	—	Pink

\* Available only in HOP

#### F - 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°

\* Available only in HOP

ACCESSORIES	DESCRIPTION	SKU
Leader Cable US 3 Pin 25ft	Power to first fixture of run	MLCE-US-3PIN-B-25FT
Leader Cable US 3 Pin 50ft	Power to first fixture of run	MLCE-US-3PIN-B-50FT
Jumper Cable US 3 Pin 1ft	Connection between fixtures	MJCE-US-3PIN-B-1FT
Jumper Cable US 3 Pin 4ft	Connection between fixtures	MJCE-US-3PIN-B-4FT
Leader Cable EU 3 Pin 7.62m	Power to first fixture of run	MLCE-EU-3PIN-B-7.62M
Leader Cable EU 3 Pin 15m	Power to first fixture of run	MLCE-EU-3PIN-B-15M
Jumper Cable EU 3 Pin 300mm	Connection between fixtures	MJCE-EU-3PIN-B-300MM
Jumper Cable EU 3 Pin 1m	Connection between fixtures	MJCE-EU-3PIN-B-1M
Terminator 3 Pin	Must be fixed to last fixture for safety	MTE-3PIN-B
Exterior Bracket Lock	Holds fixture in place for vertical installations	MCGE-BL-G

CONTROLS	DESCRIPTION	SKU
Bridge 1 US	Allows user to convert a 0-10V dimming signal into an ELV dimming signal. North American Model	250-0000