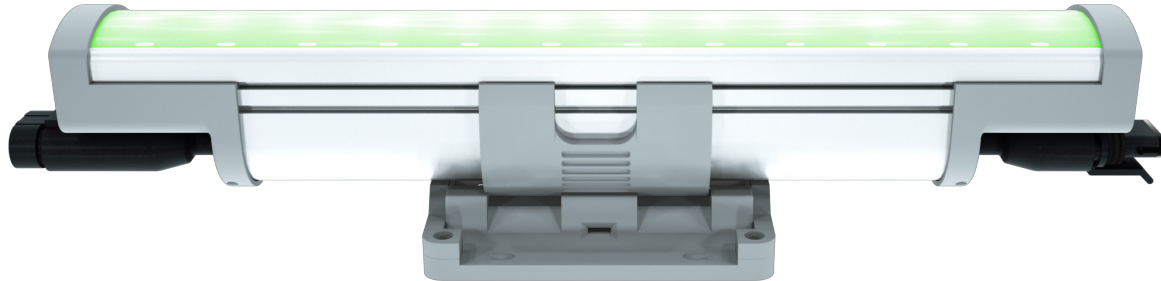


Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

SKU: _____ Type: _____ PO#: _____ Quantity: _____

Notes: _____



Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a 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: 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	592 - 1098	2068 - 3950	59 - 109	51 - 99
HO+	288 - 1104	958 - 4420	28 - 110	24 - 110

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 AC	277V AC
HO	60ft	120ft
HO+	60ft	120ft

OUTPUT

CCT & SDCM	N/A
Colors	Red, Green, Blue, Amber, Yellow, Pink, Cyan, Violet, Turquoise, Ice Blue, Light Green, Golden Yellow available
Beam Angle	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, Forward Throw Asymmetric, or 30°x100° optic options
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

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	

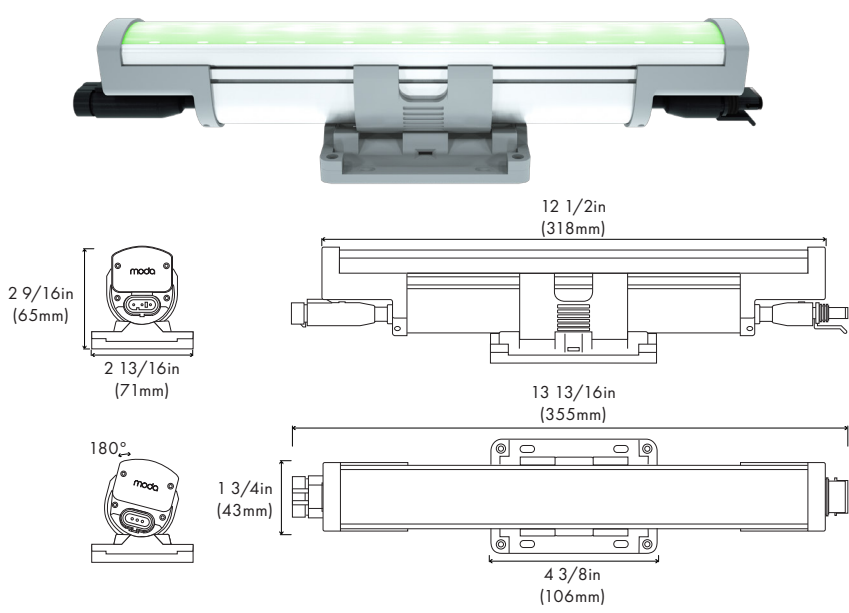
MODA TECHNOLOGY

moda SOFTWARE [™]	moda ZERO BIN [™]
moda HARDWARE [™]	moda THERMAL MANAGEMENT [™]
moda DYNAMIC WARM [™]	moda AIRFLOW [™]
moda PHOSPHOR [™]	moda COMMUNICATE [™]
moda DRIVER [™]	moda KWIK CONNECT [™]
moda GUARD [™]	moda SEAL [™]

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



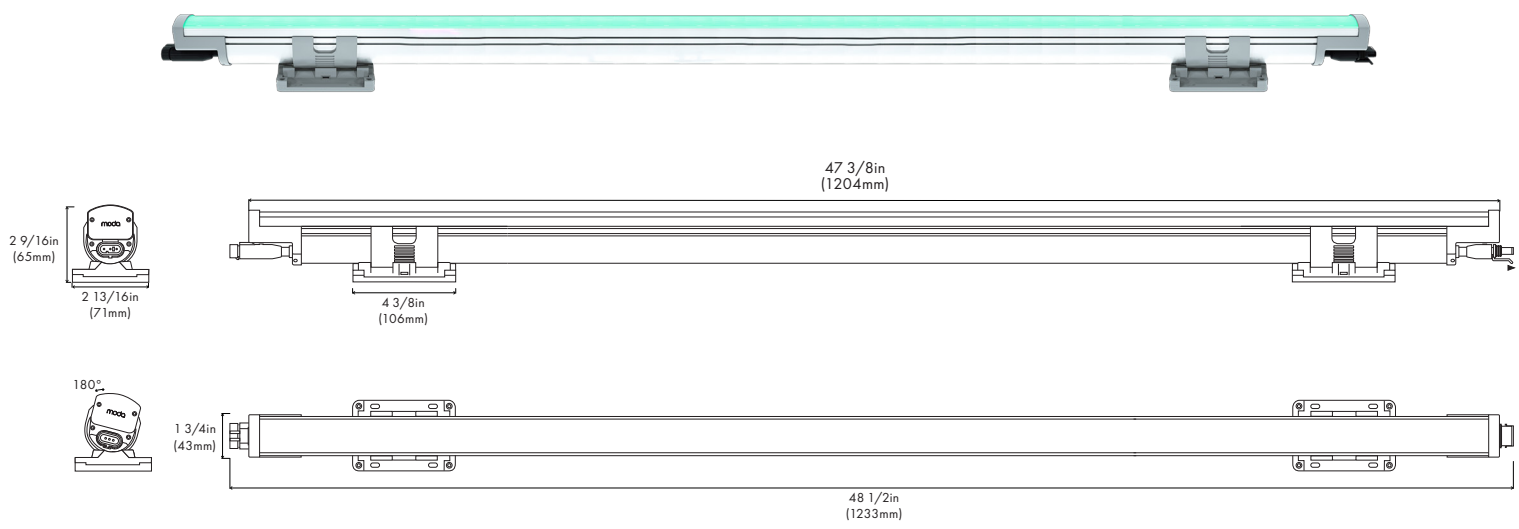
ELV

IFT		6°		10°		25°		40°		10°x40°		30°x60°		Forward Throw Asymmetric	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	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	873.00	87.30	870.00	87.00	868.00	86.80
	Green	1098.00	109.80	1086.00	108.60	1072.00	107.20	1062.00	106.20	1053.00	105.30	1050.00	105.00	1048.00	104.80
	Blue	642.00	64.20	630.00	63.00	616.00	61.60	606.00	60.60	597.00	59.70	594.00	59.40	592.00	59.20
	Amber	1038.00	103.8	1026.00	102.60	1012.00	101.20	1002.00	100.20	993.00	99.30	999.00	99.90	988.00	98.90

IFT	30°x100°			IFT	30°x100°		
Output	CCT	Lumens	Efficacy	Output	CCT	Lumens	Efficacy
HO+	Red	288.00	28.00	HO+	Light Green	912.00	91.20
	Green	336.00	33.60		Yellow	360.00	36.00
	Blue	240.00	24.00		Golden Yellow	792.00	79.20
	Amber	384.00	38.40		Turquoise	288.00	28.80
	Cyan	1104.00	110.40		Pink	362.00	36.20
	Ice Blue	648.00	64.80		Violet	312.00	31.20

BEAM ANGLE

	HO	HO+	Output	Power	
				Consumption	Max Run Length
6° / 10° / 25° / 40° / 10°x40° / 30°x60°	•		HO	100-277V AC	120V AC 277V AC
Forward Throw Asymmetric			HO	10W	60 ft 120 ft
30°x100°	•	•	HO+	10W	60 ft 120 ft
			• Available		



ELV

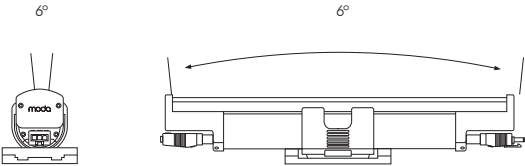
4FT	6°			10°		25°		40°		10°x40°		30°x60°		Forward Throw Asymmetric	
Output	CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	3222.00	80.55	3210.00	80.25	3196.00	79.90	3186.00	79.65	3177.00	79.42	3174.00	79.35	3172.00	79.30
	Green	3942.00	98.55	3950.00	98.75	3930.00	98.25	3906.00	97.65	3897.00	97.42	3894.00	97.35	3892.00	97.30
	Blue	2118.00	52.95	2106.00	52.65	2092.00	52.30	2082.00	52.05	2073.00	51.82	2070.00	51.75	2068.00	51.70
	Amber	3702.00	92.55	3690.00	92.25	3676.00	91.90	3666.00	91.65	3657.00	91.42	3654.00	91.35	3652.00	91.30

4FT	30°x100°			4FT	30°x100°		
Output	CCT	Lumens	Efficacy	Output	CCT	Lumens	Efficacy
HO+	Red	1150.00	28.75	HO+	Light Green	3644.00	91.10
	Green	1339.00	33.47		Yellow	1435.00	35.87
	Blue	958.00	23.95		Golden Yellow	3164.00	79.10
	Amber	2880.00	72.00		Turquoise	1151.00	28.77
	Cyan	4420.00	110.50		Pink	1447.00	36.17
	Ice Blue	2587.00	64.67		Violet	1242.00	31.05

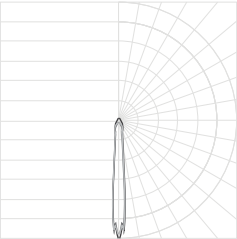
BEAM ANGLE

6° / 10° / 25° / 40° / 10°x40° / 30°x60° Forward Throw Asymmetric	HO	HO+	Output	Power Consumption	Max Run Length	
				100-277V AC	120V AC	277V AC
30°x100°	• Available	•	HO	40W	60 ft	120 ft
			HO+	40W	60 ft	120 ft

6° Beam Angle



Polar Candela Distribution
(HO Green)

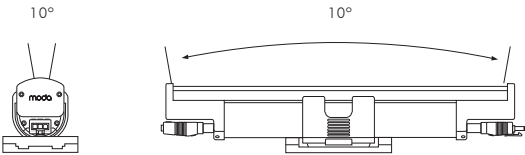


Illuminance at a Distance (HO Green)

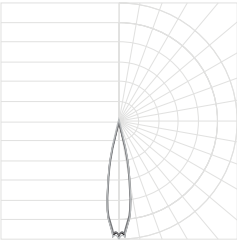
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	50.00 fc	179.50 fc	0.3 ft	0.2 ft
4.0 ft	12.50 fc	44.87 fc	0.7 ft	0.6 ft
6.0 ft	6.25 fc	22.43 fc	1.1 ft	1.0 ft
8.0 ft	3.12 fc	11.21 fc	1.5 ft	1.4 ft
10.0 ft	1.56 fc	5.60 fc	2.0 ft	1.9 ft
12.0 ft	1.25 fc	4.48 fc	2.4 ft	2.3 ft

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

10° Beam Angle



Polar Candela Distribution
(HO Green)

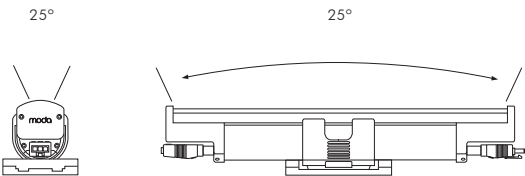


Illuminance at a Distance (HO Green)

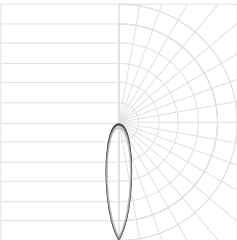
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	47.29 fc	172.03 fc	0.4 ft	0.3 ft
4.0 ft	11.82 fc	43.00 fc	0.8 ft	0.7 ft
6.0 ft	5.91 fc	21.50 fc	1.2 ft	1.1 ft
8.0 ft	2.95 fc	10.75 fc	1.6 ft	1.5 ft
10.0 ft	1.47 fc	5.37 fc	2.1 ft	2.0 ft
12.0 ft	1.18 fc	4.30 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution
(HO Green)

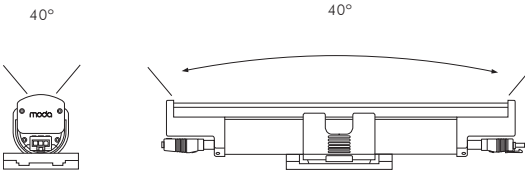


Illuminance at a Distance (HO Green)

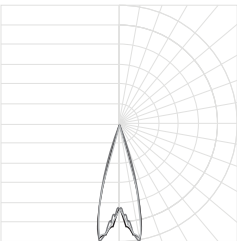
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	28.98 fc	106.27 fc	0.5 ft	0.5 ft
4.0 ft	7.24 fc	26.56 fc	1.0 ft	1.0 ft
6.0 ft	3.62 fc	13.28 fc	1.5 ft	1.6 ft
8.0 ft	1.81 fc	6.64 fc	2.0 ft	2.2 ft
10.0 ft	0.90 fc	3.32 fc	2.5 ft	2.7 ft
12.0 ft	0.72 fc	2.65 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution
(HO Green)

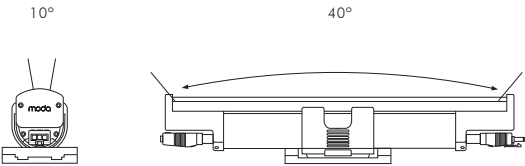


Illuminance at a Distance (HO Green)

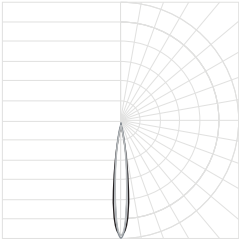
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	13.22 fc	48.64 fc	1.0 ft	0.8 ft
4.0 ft	3.30 fc	12.16 fc	1.9 ft	1.5 ft
6.0 ft	1.65 fc	6.08 fc	2.8 ft	2.4 ft
8.0 ft	0.82 fc	3.04 fc	3.8 ft	3.2 ft
10.0 ft	0.41 fc	1.52 fc	4.8 ft	4.0 ft
12.0 ft	0.33 fc	1.21 fc	5.7 ft	4.7 ft

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

10°x40° Beam Angle



Polar Candela Distribution
(HO Green)

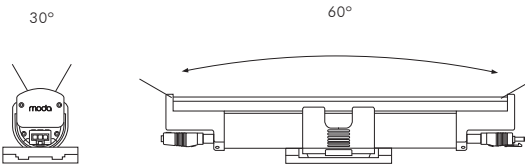


Illuminance at a Distance (HO Green)

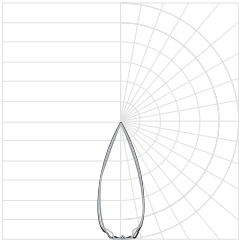
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	33.03 fc	122.23 fc	0.7 ft	0.5 ft
4.0 ft	8.25 fc	30.55 fc	1.5 ft	1.0 ft
6.0 ft	4.12 fc	15.27 fc	2.2 ft	1.4 ft
8.0 ft	2.06 fc	7.63 fc	3.0 ft	1.9 ft
10.0 ft	1.03 fc	3.81 fc	4.6 ft	2.4 ft
12.0 ft	0.82 fc	3.05 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution
(HO Green)

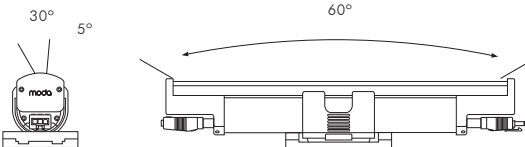


Illuminance at a Distance (HO Green)

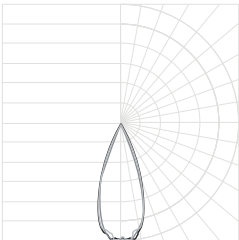
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	84.00 fc	311.52 fc	1.3 ft	2.0 ft
4.0 ft	21.00 fc	77.88 fc	3.1 ft	4.7 ft
6.0 ft	10.50 fc	38.94 fc	4.0 ft	6.6 ft
8.0 ft	5.25 fc	19.47 fc	5.8 ft	9.3 ft
10.0 ft	2.62 fc	9.73 fc	7.0 ft	11.2 ft
12.0 ft	2.10 fc	7.78 fc	9.0 ft	14.0 ft

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

Forward Throw Asymmetric Beam Angle



Polar Candela Distribution
(HO Green)

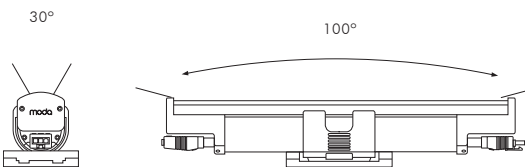


Illuminance at a Distance (HO Green)

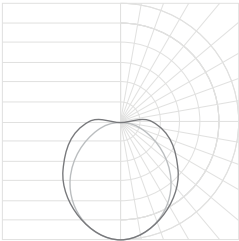
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	12.17 fc	45.22 fc	1.3 ft	0.3 ft
4.0 ft	3.04 fc	11.30 fc	2.6 ft	0.9 ft
6.0 ft	1.52 fc	5.65 fc	3.9 ft	1.3 ft
8.0 ft	0.76 fc	2.82 fc	5.2 ft	1.6 ft
10.0 ft	0.38 fc	1.41 fc	6.5 ft	1.9 ft
12.0 ft	0.30 fc	1.13 fc	7.8 ft	2.6 ft

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

30°x100° Beam Angle



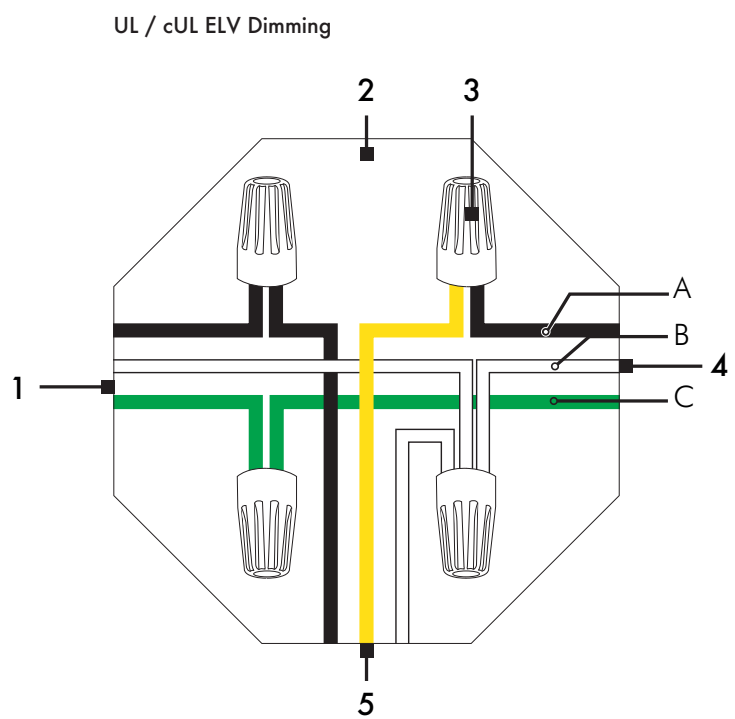
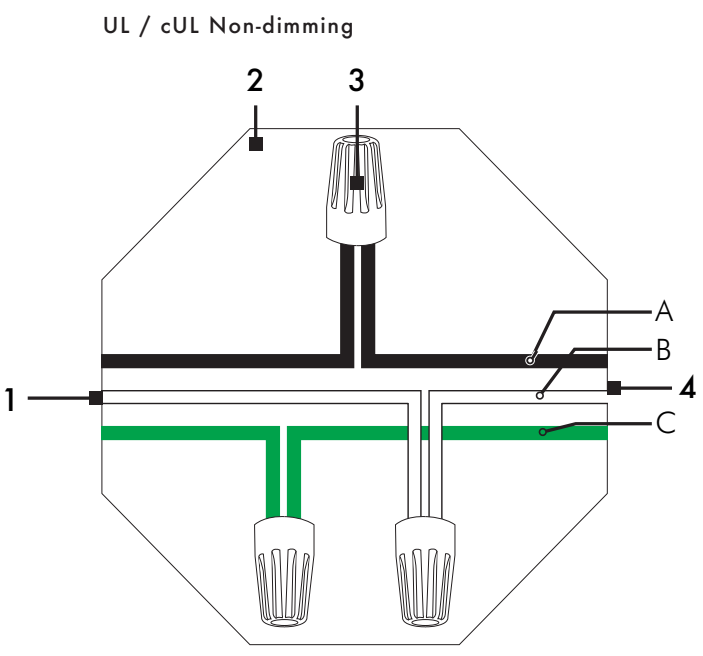
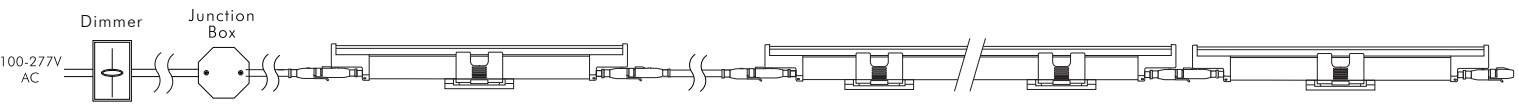
Polar Candela Distribution
(HO+ Cyan)



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°



Wiring Legend

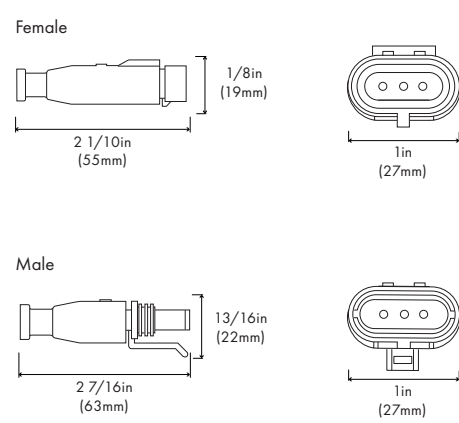
1	Power 100-277V AC
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

3 Pin Leader Cable

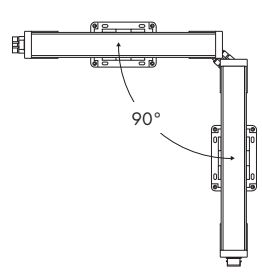
	UL/cUL	CE/CCC*
A	Live 100-277V AC	Black / Brown
B	Neutral	White / Blue
C	Ground	Green / Green/Yellow

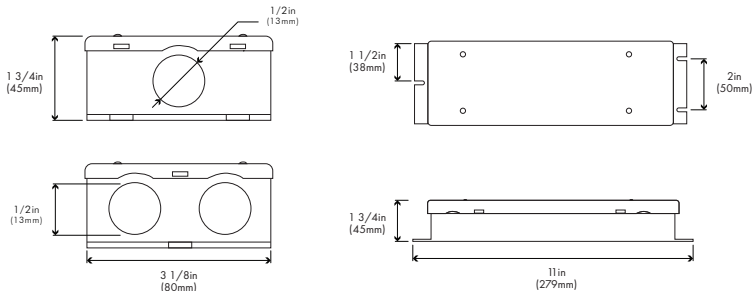
*Not illustrated

ELV Connectors



Angle Adjustment

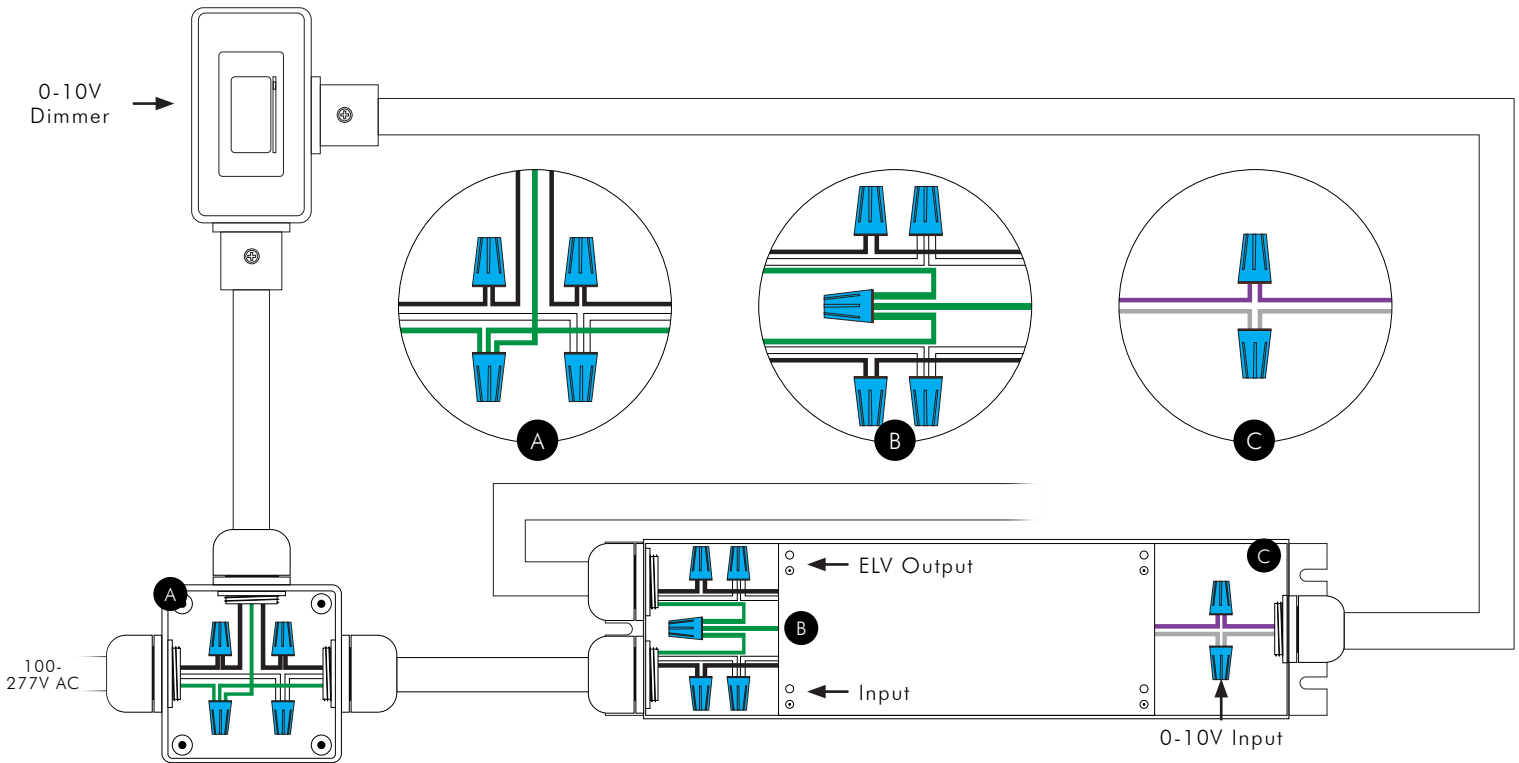




MODA BRIDGE 1

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 1/2in 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

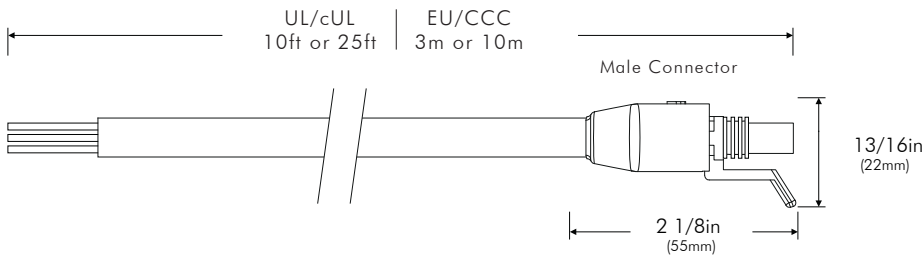
Output	UL/cUL		CE/CCC*	
Live 100-277V AC		Black		Brown
Neutral		White		Blue
Ground		Green		Green/Yellow

*Not illustrated

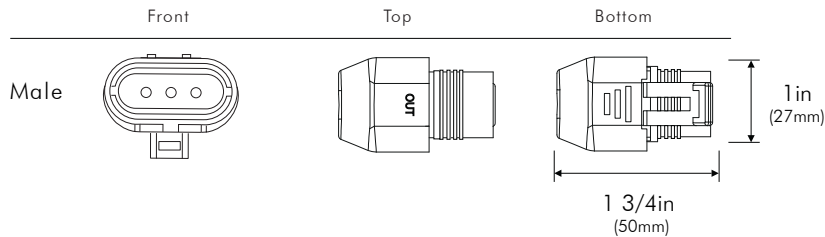
ELV Leader Cables

Moda Cove Exterior 3 Pin Leader Cables

	UL/cUL	EU/CCC
Lengths	25ft and 50ft	3m and 10m
Color	Black	Black



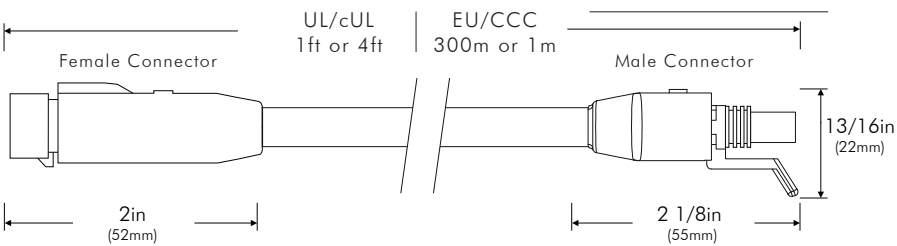
Connectors



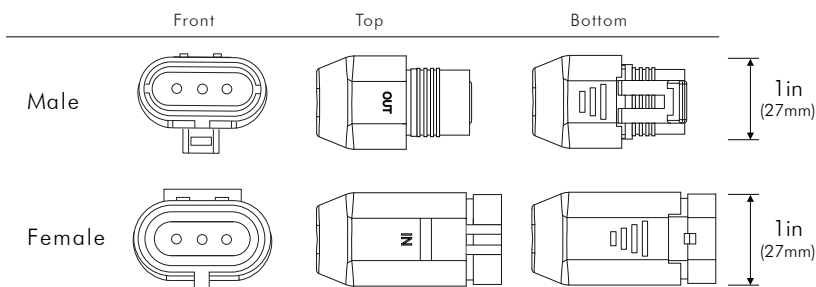
ELV Jumper Cables

Moda Cove Exterior 3 Pin Jumper Cables

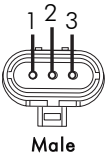
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



Connectors

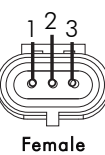


Pin Assignment

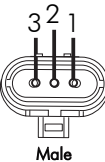


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Ground	Green	Yellow/Green
3	Neutral	White	Blue

Pin Assignment



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



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

A - FIXTURE & LOCATION

MGE	—	Moda Graze Exterior
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B - LIGHT OUTPUT

HO	—	High Output
HOP	—	High Output Plus

C - SERIES NUMBER

S1	—	Series 1
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D - PRODUCT FINISH

S	—	Silver
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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	ORDERING SKU
Leader Cable US 3 Pin 10FT	Power to first fixture of run	MLCE-US-3PIN-B-10FT
Leader Cable US 3 Pin 25FT	Power to first fixture of run	MLCE-US-3PIN-B-25FT
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 3M	Power to first fixture of run	MLCE-EU-3PIN-B-3M
Leader Cable EU 3 Pin 10M	Power to first fixture of run	MLCE-EU-3PIN-B-10M
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	ORDERING SKU
Bridge 1 US	Allows user to convert a 0-10V dimming signal into an ELV dimming signal. North American Model	250-0000