

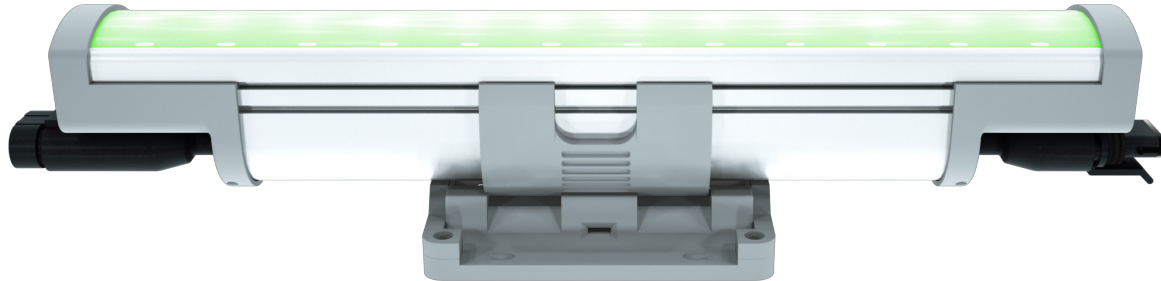
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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

\_\_\_\_\_



### Specification Grade Premium Exterior Cove Fixture.

MODA COVE 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. 100-277V, 50/60Hz power input allows these fixtures to be installed anywhere in the world. New patent pending locking bracket rotates 180 degrees 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.

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	CHROMATICITY
7	ELV WIRING
8	0-10V TO ELV
9	ACCESSORIES: CABLES
10	FIXTURES
11	ACCESSORIES

PHYSICAL

Dimensions	L: 12 1/2in (318mm) L: 47 3/8in (1204mm)	W: 2 13/16in (71mm) H: 2 9/16in (65mm)
Weight	12in: 1.3lbs (0.6kg) 48in: 4.6lbs (2.1kg)	
Applications	Cove, 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	492 - 948	1968 - 3792	49 - 94	49 - 94
HO+	240 - 1104	958 - 4420	24 - 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	240V AC	277V AC
HO	60ft	60ft	120ft
HO+	60ft	60ft	120ft

OUTPUT

Colors	Red, Green, Blue, Amber, Yellow, Pink, Cyan, Violet, Turquoise, Ice Blue, Light Green, Golden Yellow, Dark Blue, and Dark Orange available
Beam Angle	120°
CRI	94-98
SDCM	2-Step MacAdam Ellipse
Color Bin Tolerance	Single Bin
Lumen Maintenance	90,000 Hours L70 @ 25°C 70,000 Hours L70 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

COLOR AVAILABILITY

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

• Available

MODA TECHNOLOGY

moda**SOFTWARE**<sup>™</sup>

moda**HARDWARE**<sup>™</sup>

moda**PHOSPHOR**<sup>™</sup>

moda**DRIVER**<sup>™</sup>

moda**ZERO BIN**<sup>™</sup>

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

moda**GUARD**<sup>™</sup>

moda**SEAL**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

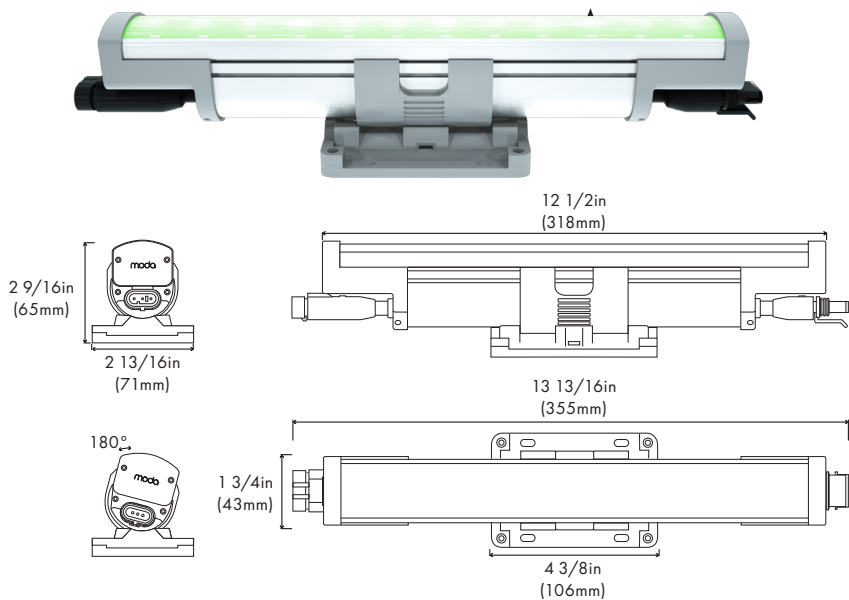
moda**COMMUNICATE**<sup>™</sup>

moda**KWIK CONNECT**<sup>™</sup>

STANDARDS & CERTIFICATIONS



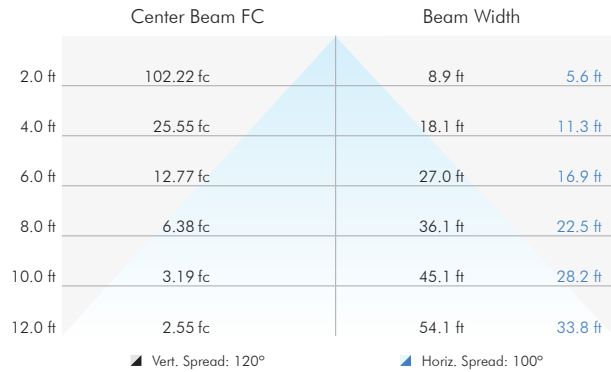
Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, CCC, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	3 Year Limited Warranty



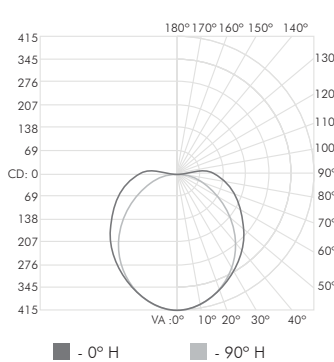
ELV

Output	Color	Lumens	Efficacy
HO	Red	768.00	76.80
	Green	948.00	94.80
	Blue	492.00	49.20
	Amber	888.00	88.80
HO+	Red	288.00	28.80
	Green	366.00	33.60
	Blue	240.00	24.00
	Amber	384.00	38.40
	Cyan	1104.00	110.40
	Yellow	360.00	36.00
	Golden Yellow	792.00	79.20
	Ice Blue	648.00	64.80
	Light Green	912.00	91.20
	Pink	362.00	36.20
	Violet	312.00	31.20
	Turquoise	292.00	29.20

Illuminance at a Distance (Cyan)



Polar Candela Distribution (Cyan)

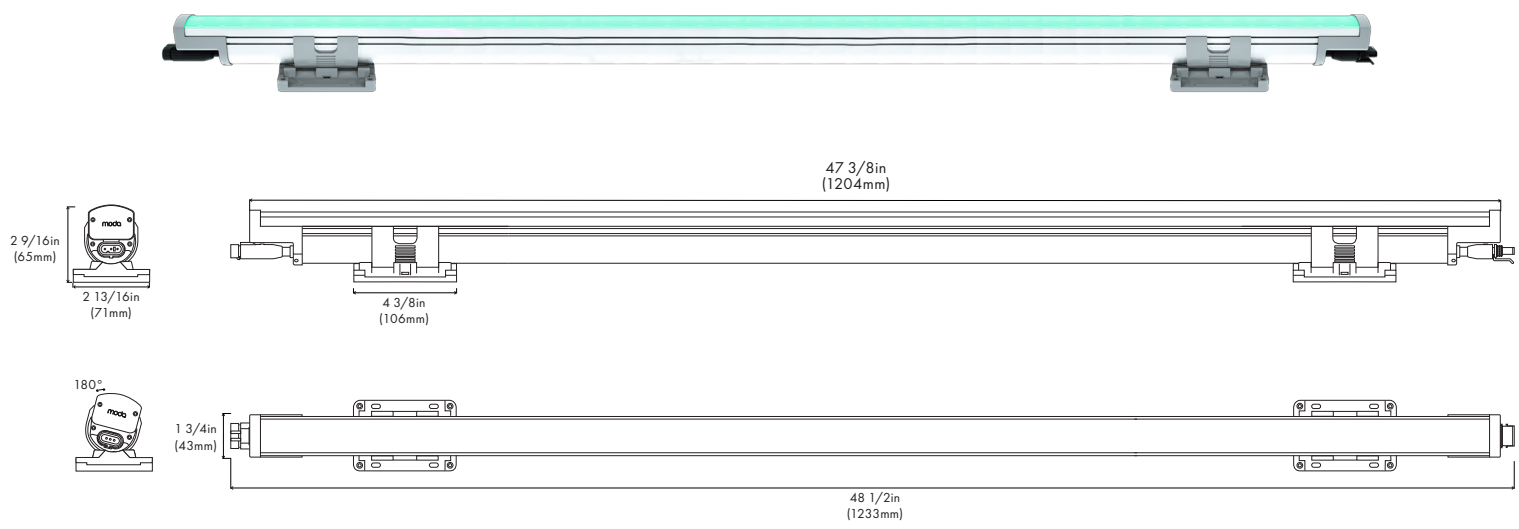


Power Consumption

120-277V AC 10W

Max Run Lengths

120V AC	60ft
240V AC	120ft
277V AC	120ft

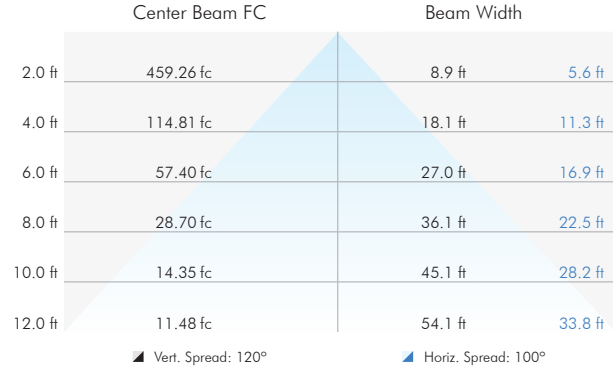


ELV

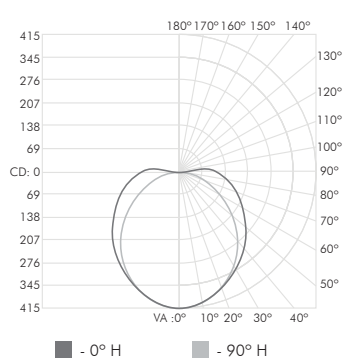
Output	Color	Lumens	Efficacy
HO	Red	3071.00	76.80
	Green	3792.00	94.80
	Blue	1968.00	49.20
	Amber	3552.00	88.80
HO+	Red	1150.00	28.75
	Green	1339.00	33.47
	Blue	958.00	23.95
	Amber	2880.00	72.00
	Cyan	4420.00	110.50
	Yellow	1435.00	35.87
	Golden Yellow	3164.00	79.10
	Ice Blue	2587.00	64.67
	Light Green	3644.00	91.10
	Pink	1447.00	36.17
	Violet	1242.00	31.20
	Turquoise	1168.00	29.20

Power Consumption	Max Run Lengths
120-277V AC 40W	120V AC 60ft
	240V AC 120ft
	277V AC 120ft

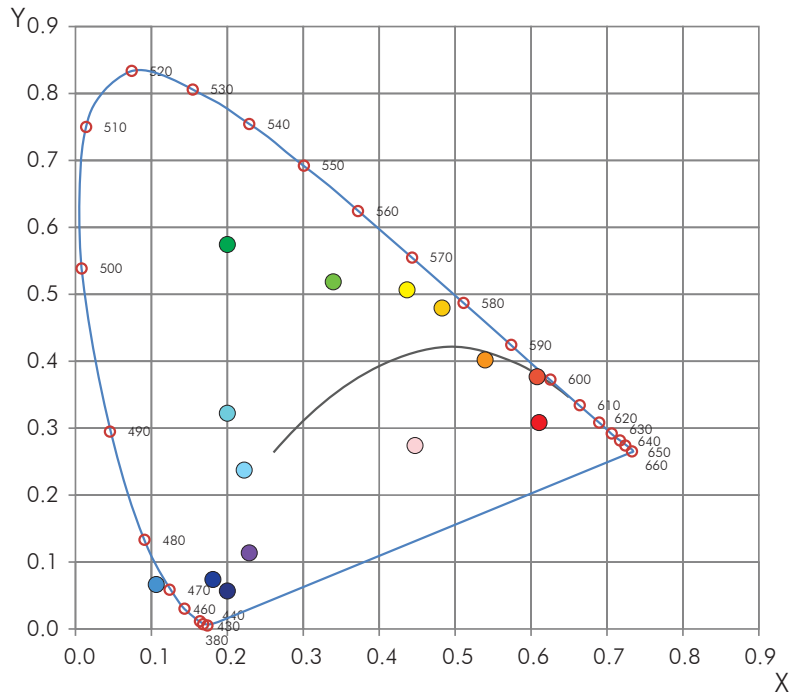
Illuminance at a Distance (Cyan)



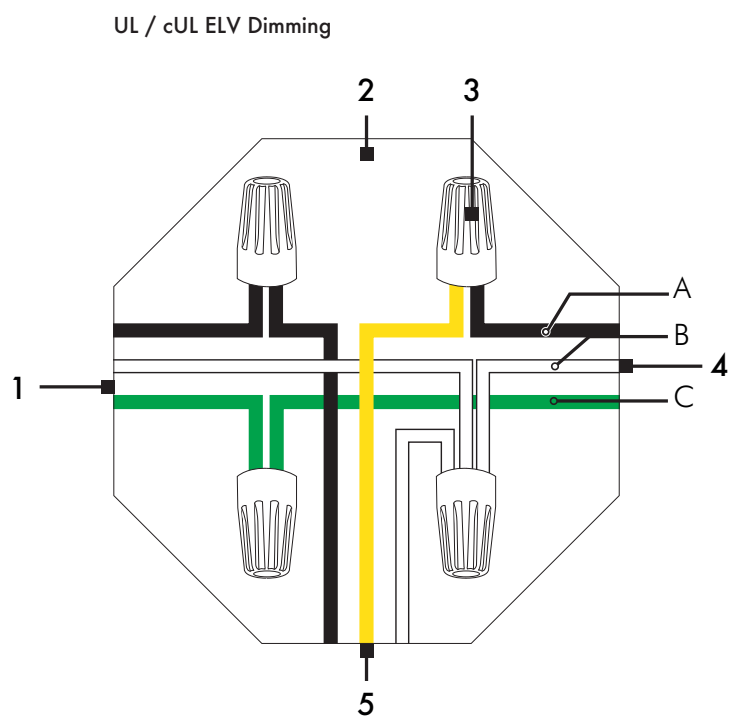
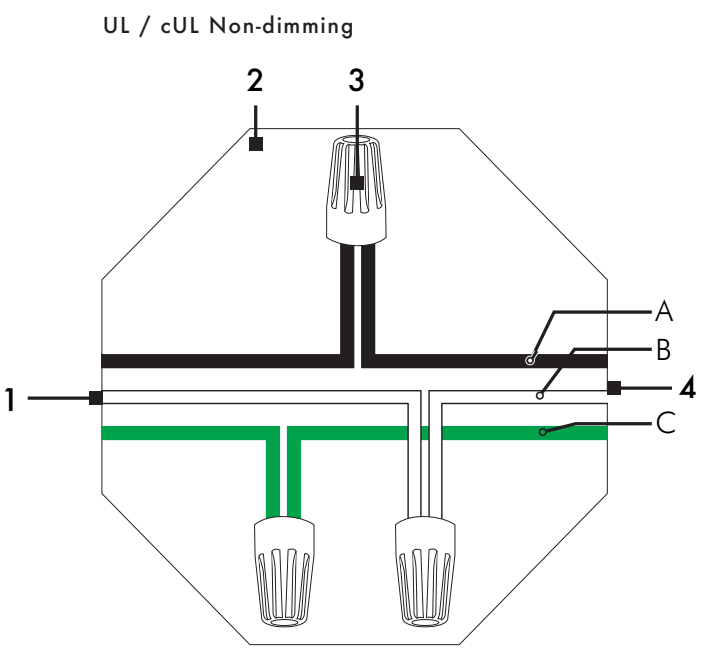
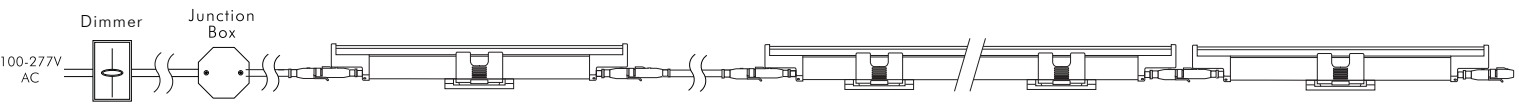
Polar Candela Distribution (Cyan)



CIE 1931 Chromaticity Diagram









Color	Coordinate	Wavelength
Red	x: 0.6221 y: 0.3174 u: 0.4482 v: 0.5111	620nm
Green	x: 0.2075 y: 0.5883 u: 0.0835 v: 0.5445	520nm
Blue	x: 0.1804 y: 0.0715 u: 0.2158 v: 0.1834	445nm
Amber	x: 0.5415 y: 0.4189 u: 0.3145 v: 0.5412	611nm
Yellow	x: 0.4441 y: 0.5161 u: 0.2140 v: 0.5593	557nm
Golden Yellow	x: 0.4814 y: 0.4892 u: 0.2438 v: 0.5568	583nm
Ice Blue	x: 0.2317 y: 0.2495 u: 0.1676 v: 0.4059	446nm
Cyan	x: 0.1158 y: 0.0735 u: 0.3234 v: 0.5522	473nm
Light Green	x: 0.3458 y: 0.5241 u: 0.1611 v: 0.5487	534nm
Pink	x: 0.4547 y: 0.2832 u: 0.3342 v: 0.4649	621nm
Violet	x: 0.2337 y: 0.1275 u: 0.2301 v: 0.2823	448nm
Turquoise	x: 0.2047 y: 0.3361 u: 0.1852 v: 0.5652	485nm



Wiring Legend

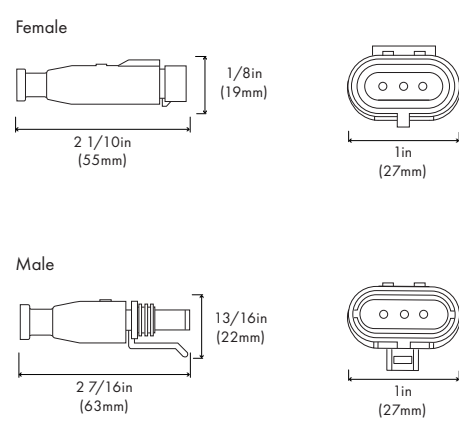
1	Power 100-277V AC
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

3 Pin Leader Cable

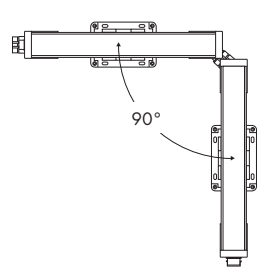
		UL/cUL	CE/CCC*
A	Live 100-277V AC	 Black	 Brown
B	Neutral	 White	 Blue
C	Ground	 Green	 Green/ Yellow

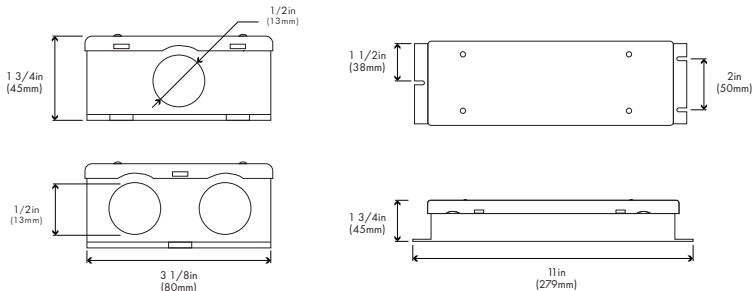
\*Not illustrated

ELV Connectors



Angle Adjustment

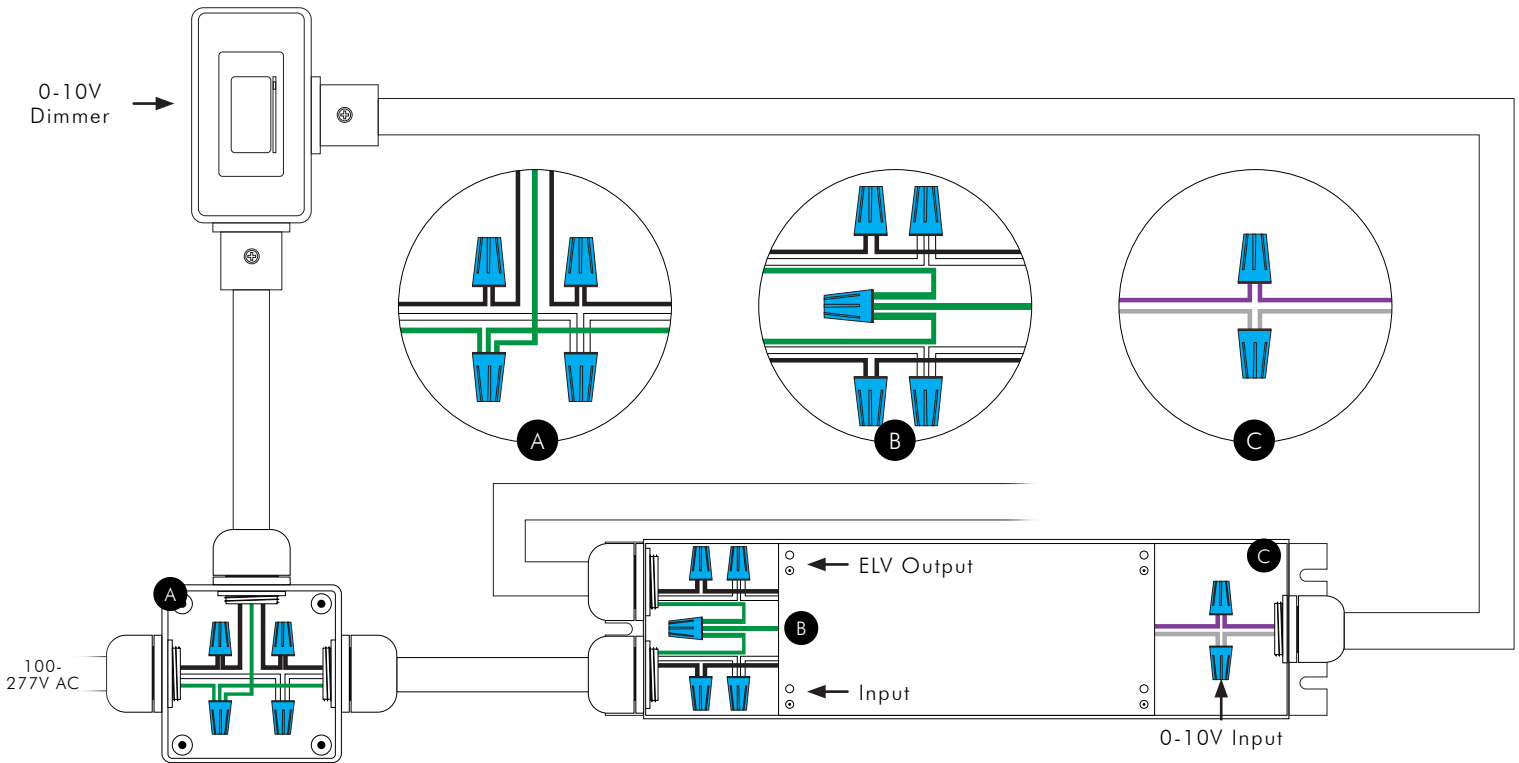




MODA BRIDGE 1

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

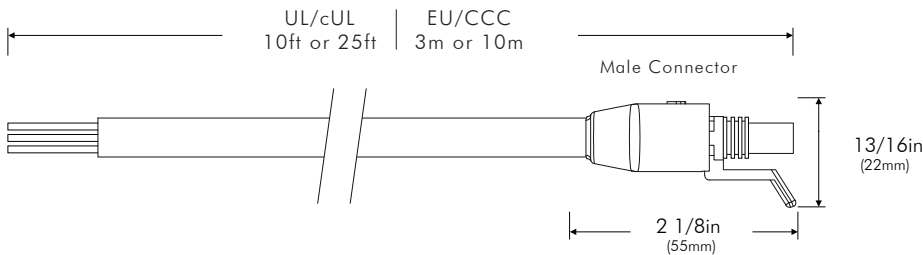
\*Not illustrated



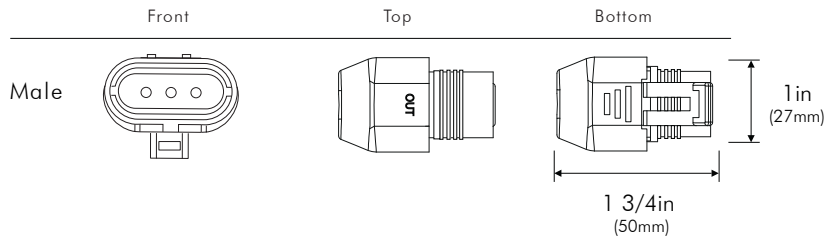
ELV Leader Cables

Moda Cove Exterior 3 Pin Leader Cables

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



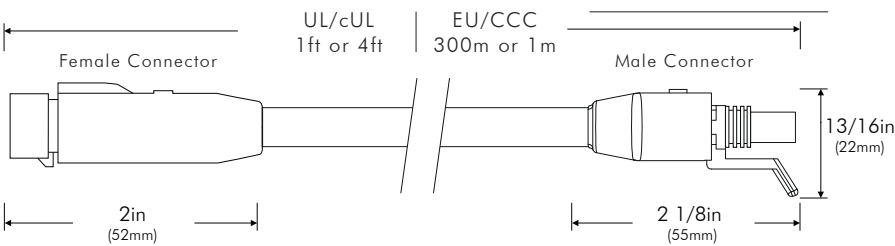
Connectors



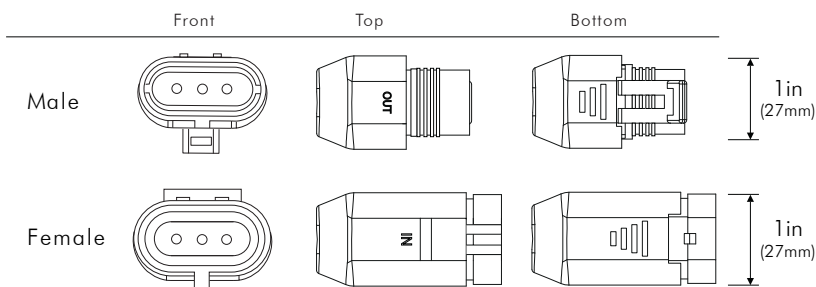
ELV Jumper Cables

Moda Cove Exterior 3 Pin Jumper Cables

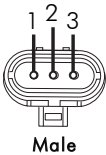
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



Connectors

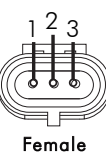


Pin Assignment

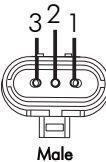


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Ground	Green	Yellow/Green
3	Neutral	White	Blue

Pin Assignment



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



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

	FIXTURE	ORDERING SKU
ELV HO 1FT	Moda Cove Exterior High Output Silver ELV Dimming Amber 1FT	MCE-HO-S1-S-A-1
	Moda Cove Exterior High Output Silver ELV Dimming Blue 1FT	MCE-HO-S1-S-B-1
	Moda Cove Exterior High Output Silver ELV Dimming Green 1FT	MCE-HO-S1-S-G-1
	Moda Cove Exterior High Output Silver ELV Dimming Red 1FT	MCE-HO-S1-S-R-1
ELV HOP 1FT	Moda Cove Exterior High Output Plus Silver ELV Dimming Amber 1FT	MCE-HOP-S1-S-A-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Blue 1FT	MCE-HOP-S1-S-B-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Cyan 1FT	MCE-HOP-S1-S-C-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Golden Yellow 1FT	MCE-HOP-S1-S-GY-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Green 1FT	MCE-HOP-S1-S-G-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Ice Blue 1FT	MCE-HOP-S1-S-IB-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Light Green 1FT	MCE-HOP-S1-S-LG-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Pink 1FT	MCE-HOP-S1-S-P-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Red 1FT	MCE-HOP-S1-S-R-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Turquoise 1FT	MCE-HOP-S1-S-TQ-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Violet 1FT	MCE-HOP-S1-S-V-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming Yellow 1FT	MCE-HOP-S1-S-Y-1
ELV HO 4FT	Moda Cove Exterior High Output Silver ELV Dimming Amber 4FT	MCE-HO-S1-S-A-4
	Moda Cove Exterior High Output Silver ELV Dimming Blue 4FT	MCE-HO-S1-S-B-4
	Moda Cove Exterior High Output Silver ELV Dimming Green 4FT	MCE-HO-S1-S-G-4
	Moda Cove Exterior High Output Silver ELV Dimming Red 4FT	MCE-HO-S1-S-R-4
ELV HOP 4FT	Moda Cove Exterior High Output Plus Silver ELV Dimming Amber 4FT	MCE-HOP-S1-S-A-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Blue 4FT	MCE-HOP-S1-S-B-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Cyan 4FT	MCE-HOP-S1-S-C-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Golden Yellow 4FT	MCE-HOP-S1-S-GY-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Green 4FT	MCE-HOP-S1-S-G-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Ice Blue 4FT	MCE-HOP-S1-S-IB-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Light Green 4FT	MCE-HOP-S1-S-LG-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Pink 4FT	MCE-HOP-S1-S-P-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Red 4FT	MCE-HOP-S1-S-R-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Turquoise 4FT	MCE-HOP-S1-S-TQ-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Violet 4FT	MCE-HOP-S1-S-V-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming Yellow 4FT	MCE-HOP-S1-S-Y-4

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 installation	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