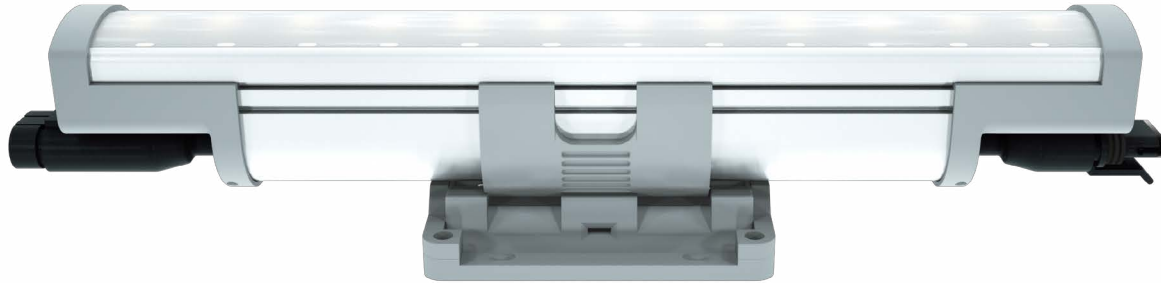


Client: _____ Project Name: _____

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 (or 0-10V via MODA BRIDGE) with no minimum run lengths. With MODA's methods of precision and high standards of work, MODA achieves perfect illumination. Color Rendering Index is at a MODA standard of 94-98. R1 - R15 values are in excess of 90. No striations, no color over angle, and no dark spots. Small in physical size, yet powerful with up to 1200 lm/ft.

Standard color temperatures available are 2200K, 2700K, 3000K, 3500K, and 4000K. Other CCT are available by request. 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. Choice of five lumen packages ranging from 300 lm/ft to 1200 lm/ft. 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	TM30
7	TM30
8	ELV WIRING
9	0-10V TO ELV
10	ACCESSORIES: CABLES
11	FIXTURES
12	FIXTURES AND 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	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
LO	250 - 352	1002 - 1406	62 - 100	63 - 88
SO	339 - 493	1368 - 1966	68 - 99	71 - 103
SO+	790 - 801	3161 - 3208	79 - 80	79 - 80
HO	1040 - 1257	4164 - 5012	104 - 125	104 - 125
HO+	1085 - 1240	4300 - 4960	108 - 124	108 - 124

POWER CONSUMPTION

	120V - 277V AC	
	1FT	4FT
LO	4W	16W
SO	5W	19W
SO+	10W	40W
HO	10W	40W
HO+	10W	40W

MAX CONTINUOUS RUN

	120V AC	277V AC
LO	180ft	360ft
SO	120ft	240ft
SO+	60ft	120ft
HO	60ft	120ft
HO+	60ft	120ft

OUTPUT

Colors	2200K*, 2700K, 3000K, 3500K, 4000K
Beam Angle	120°
CRI	94-97
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 *2200K not available for SO+ or HO.

ELECTRICAL

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

MODA TECHNOLOGY

moda**SOFTWARE**[™]

moda**HARDWARE**[™]

moda**DYNAMIC WARM**[™]

moda**PHOSPHOR**[™]

moda**HIGH CRI**[™]

moda**DRIVER**[™]

moda**ZERO BIN**[™]

moda**THERMAL MANAGEMENT**[™]

moda**GUARD**[™]

moda**SEAL**[™]

moda**AIRFLOW**[™]

moda**COMMUNICATE**[™]

moda**KWIK CONNECT**[™]

STANDARDS & CERTIFICATIONS

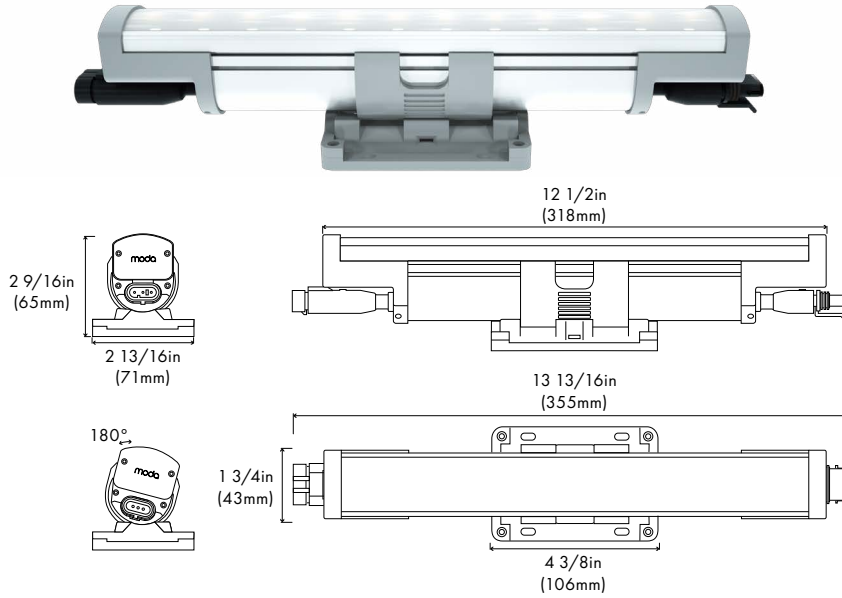


Certification

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

Class 1

Warranty 3 Year Limited Warranty



ELV

1FT		LO			SO			SO+		
Output	CCT	Lumens	Efficacy	CRI	Lumens	Efficacy	CRI	Lumens	Efficacy	CRI
2200K	250.50	62.63	94	339.80	67.90	94	N/A	N/A	N/A	
2700K	310.00	77.50	95	450.67	90.13	95	790.08	79.00	95	
3000K	332.00	83.00	95	490.25	98.05	95	792.00	79.20	95	
3500K	344.00	86.00	96	491.33	98.26	96	795.05	79.50	96	
4000K	352.00	100.43	97	493.84	98.76	97	801.05	80.10	97	

1FT		HO			HO+		
Output	CCT	Lumens	Efficacy	CRI	Lumens	Efficacy	CRI
2200K	N/A	N/A	N/A	N/A	1085.20	108.52	90
2700K	1040.26	104.26	95	1219.79	121.97	95	
3000K	1160.36	116.00	95	1223.56	122.35	95	
3500K	1208.10	120.00	96	1236.09	123.60	96	
4000K	1257.15	125.00	97	1240.01	124.00	97	

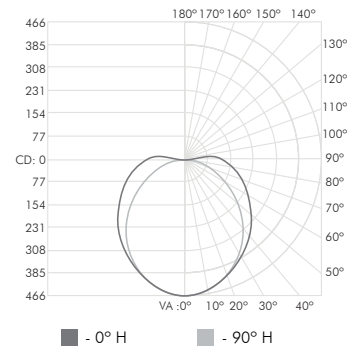
*2200K not available for SO+ or HO

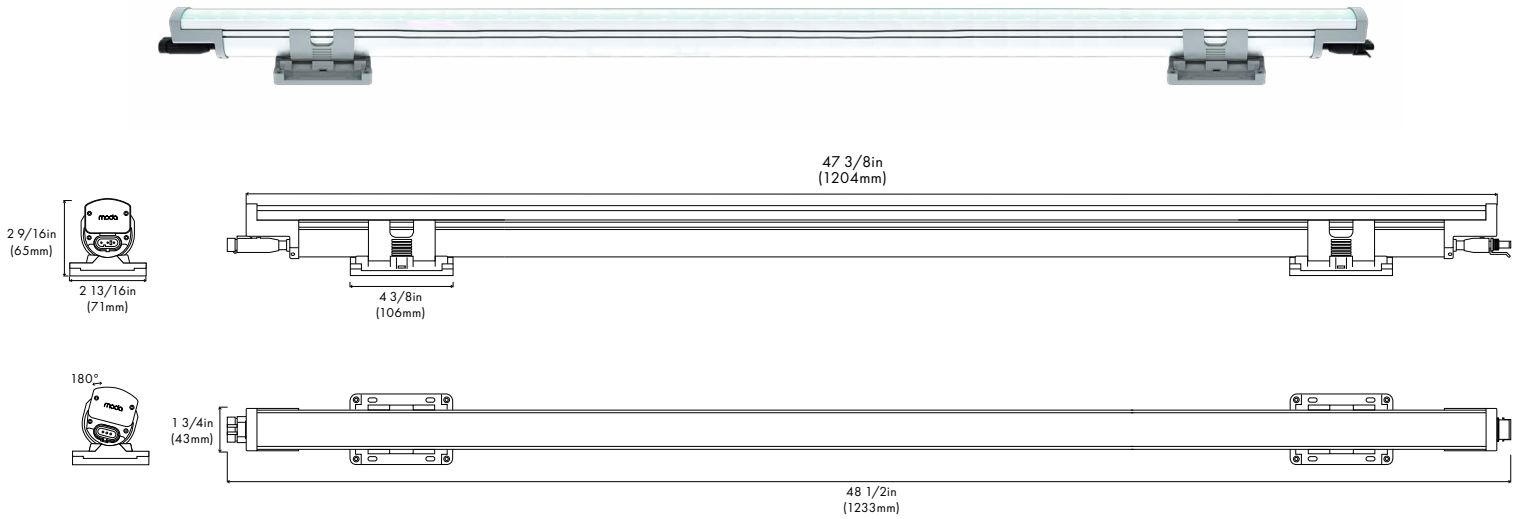
Illuminance at a Distance (4000K)

	Center Beam FC	Beam Width
2.0 ft	114.81 fc	8.9 ft 5.6 ft
4.0 ft	28.70 fc	18.1 ft 11.3 ft
6.0 ft	14.35 fc	27.0 ft 16.9 ft
8.0 ft	7.17 fc	36.1 ft 22.5 ft
10.0 ft	3.58 fc	45.1 ft 28.2 ft
12.0 ft	2.87 fc	54.1 ft 33.8 ft

■ Vert. Spread: 120° ■ Horiz. Spread: 100°

Polar Candela Distribution (4000K)





ELV

4FT	LO				SO			SO+		
Output	CCT	Lumens	Efficacy	CRI	Lumens	Efficacy	CRI	Lumens	Efficacy	CRI
2200K	1002.00	62.63	94	1368.11	71.00	94	N/A	N/A	N/A	
2700K	1234.00	77.13	95	1783.10	93.84	95	3161.67	79.01	95	
3000K	1316.00	82.25	95	1820.18	95.79	95	3168.23	79.20	95	
3500K	1366.00	85.83	96	1900.45	100.02	96	3185.20	79.63	96	
4000K	1406.00	87.87	97	1966.00	103.47	97	3208.40	80.21	97	

4FT	HO				HO+		
Output	CCT	Lumens	Efficacy	CRI	Lumens	Efficacy	CRI
2200K	N/A	N/A	N/A	4300.80	107.52	90	
2700K	4164.02	104.00	95	4587.96	114.69	95	
3000K	4635.40	115.00	95	4794.28	114.69	95	
3500K	4832.40	120.81	96	4844.63	121.11	96	
4000K	5012.60	125.00	97	4960.04	124.00	97	

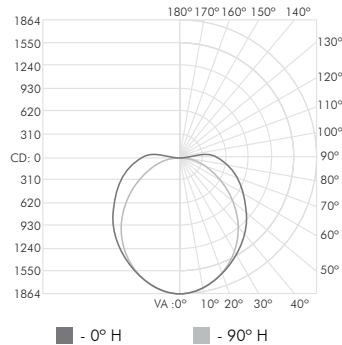
*2200K not available for SO+ or HO

Illuminance at a Distance (4000K)

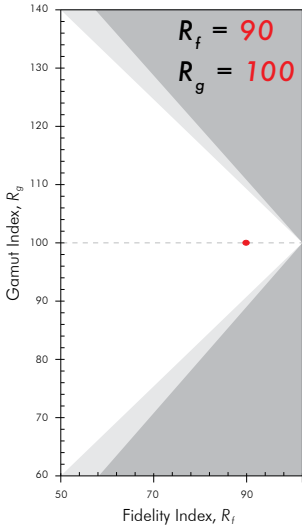
	Center Beam FC	Beam Width
2.0 ft	459.26 fc	8.9 ft 5.6 ft
4.0 ft	114.81 fc	18.1 ft 11.3 ft
6.0 ft	57.40 fc	27.0 ft 16.9 ft
8.0 ft	28.70 fc	36.1 ft 22.5 ft
10.0 ft	14.35 fc	45.1 ft 28.2 ft
12.0 ft	11.48 fc	54.1 ft 33.8 ft

■ Vert. Spread: 120° ■ Horiz. Spread: 100°

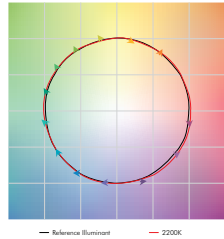
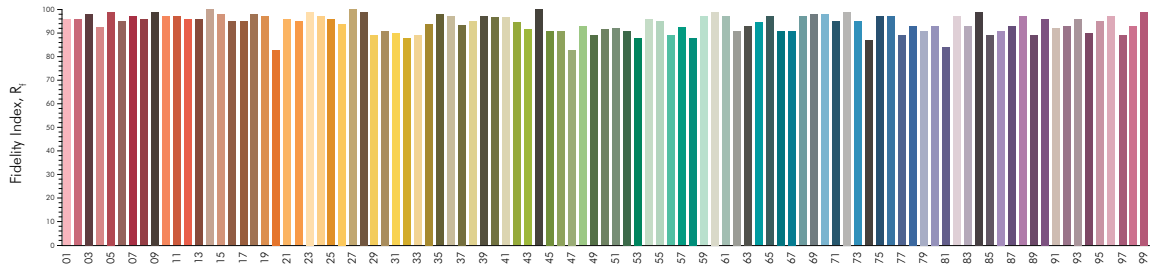
Polar Candela Distribution (4000K)



2200K TM30



Color Evaluation Sample

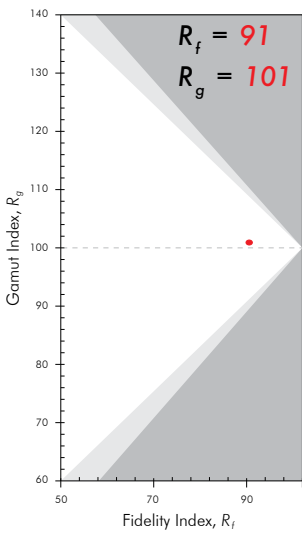


Color Vector Graphic

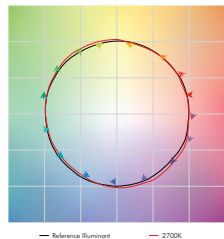
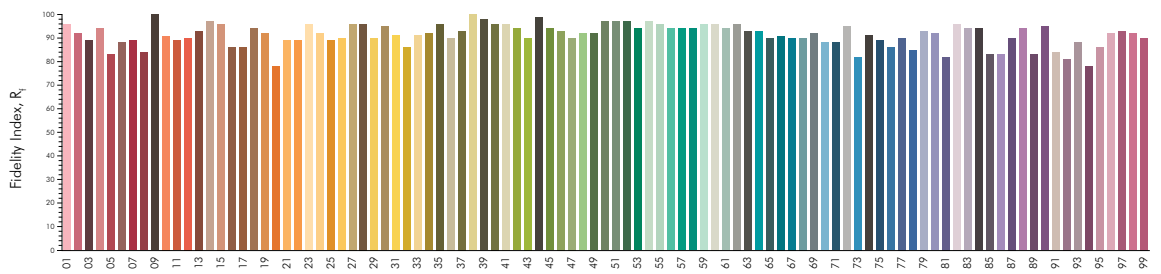


Color Distortion Graphic

2700K TM30



Color Evaluation Sample

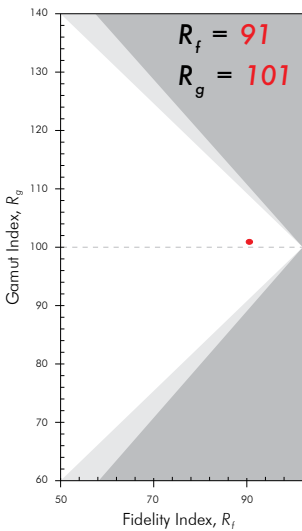


Color Vector Graphic

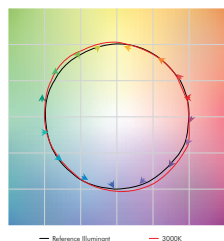
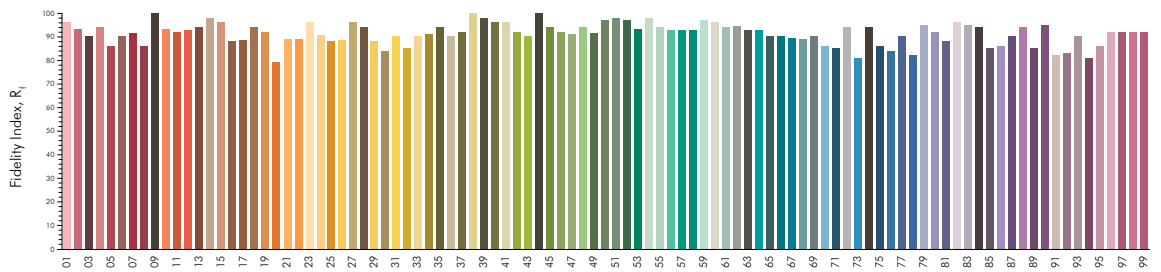


Color Distortion Graphic

3000K TM30



Color Evaluation Sample

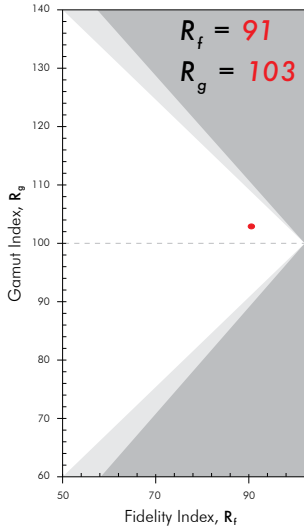


Color Vector Graphic

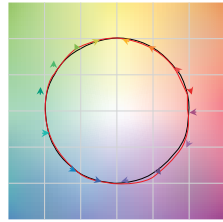
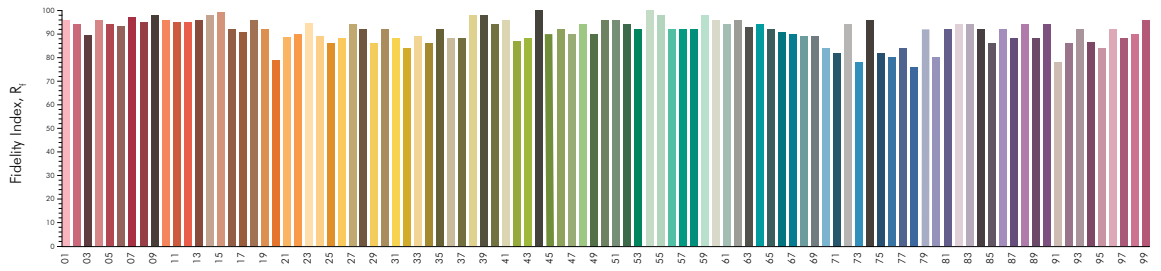


Color Distortion Graphic

3500K TM30



Color Evaluation Sample

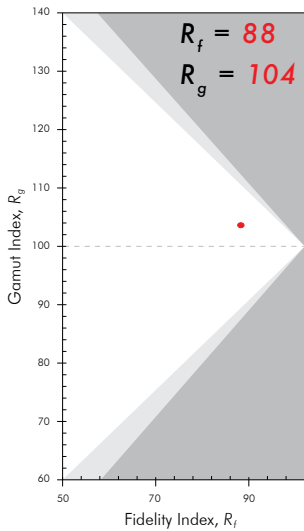


Color Vector Graphic

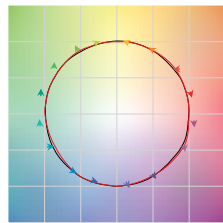
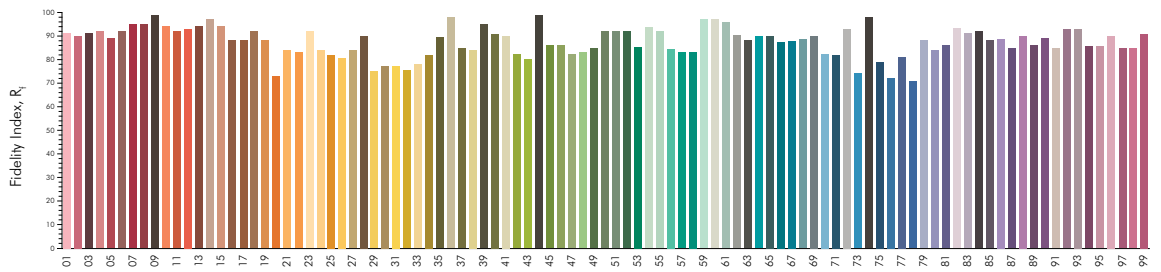


Color Distortion Graphic

4000K TM30



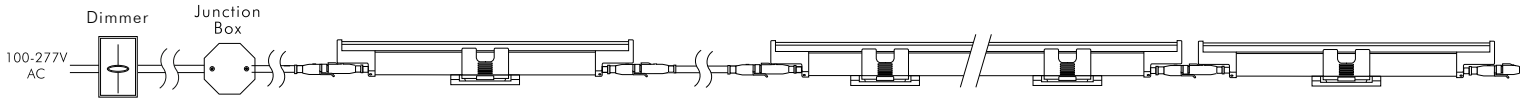
Color Evaluation Sample



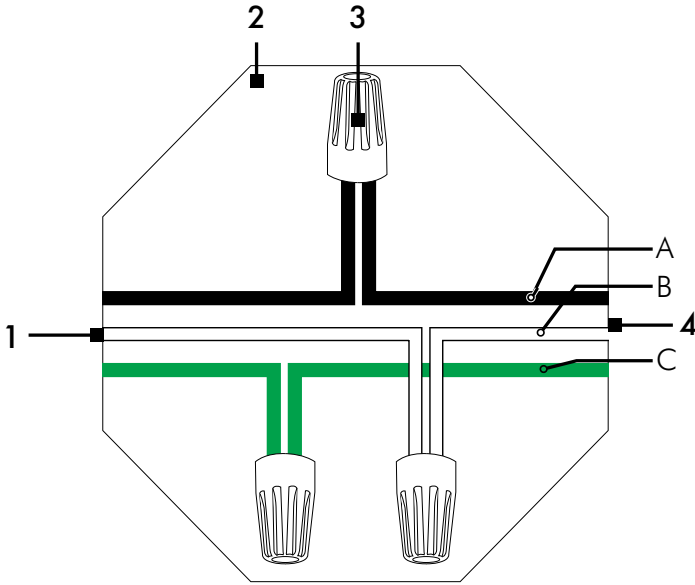
Color Vector Graphic



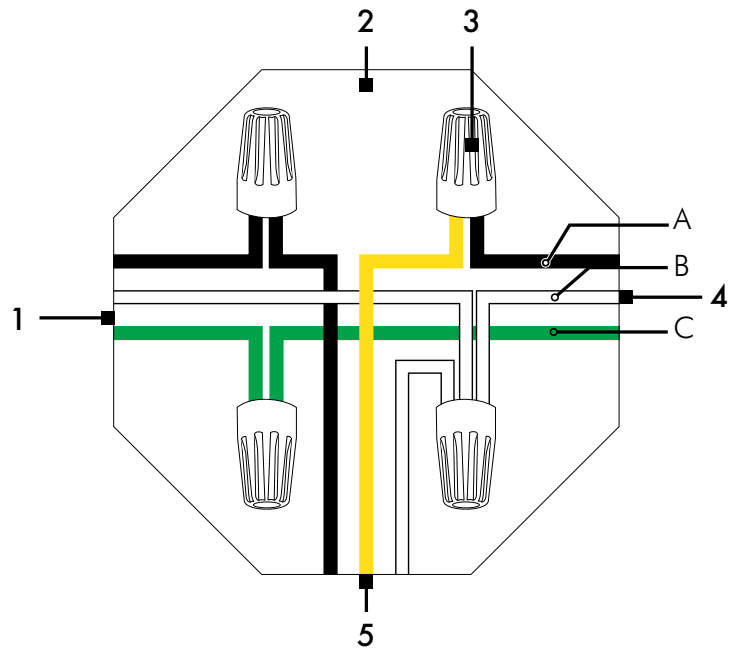
Color Distortion Graphic



UL / cUL Non-dimming



UL / cUL ELV Dimming



Wiring Legend

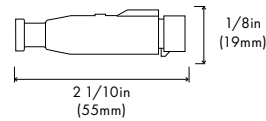
1	Power 100-277V AC
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

3 Pin Leader Cable

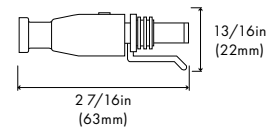
	UL/cUL
A	Live 100-277V AC Black
B	Neutral White
C	Ground Green

ELV Connectors

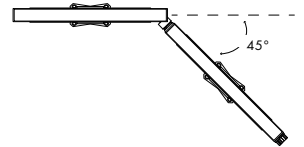
Female

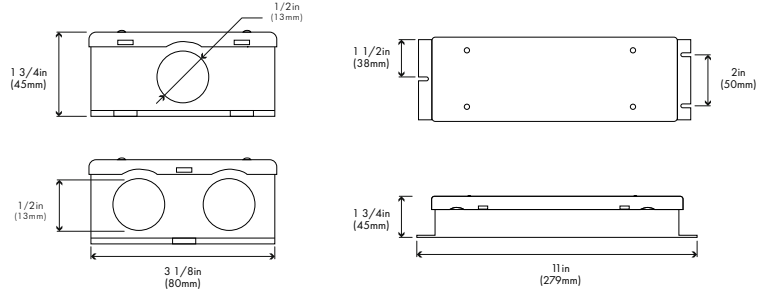


Male



Angle Adjustment

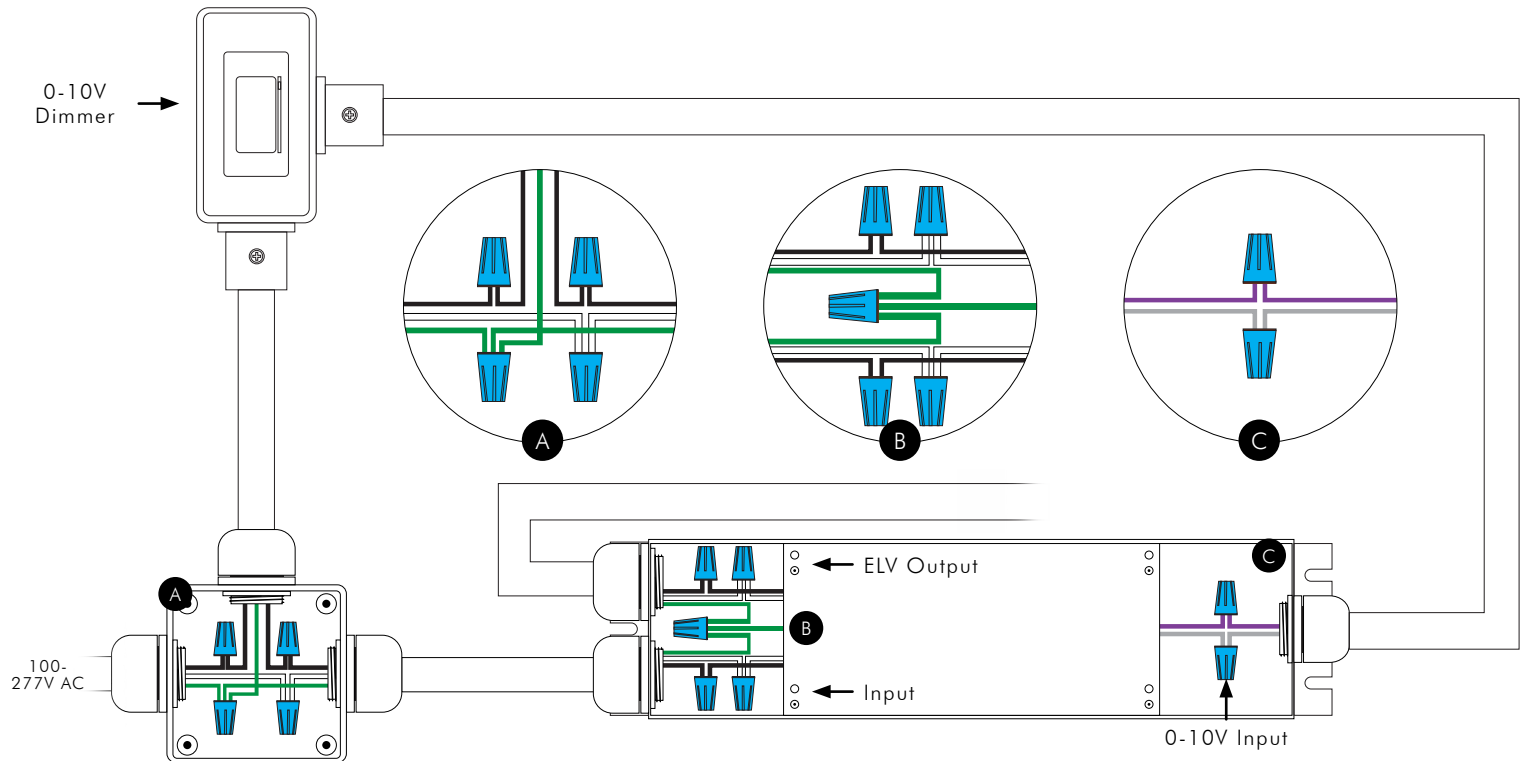




MODA BRIDGE 1

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 1/2in 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	
Live 100-277V AC		Black
Neutral		White
Ground		Green
0-10V / Data +		Purple
0-10V / Data -		Pink

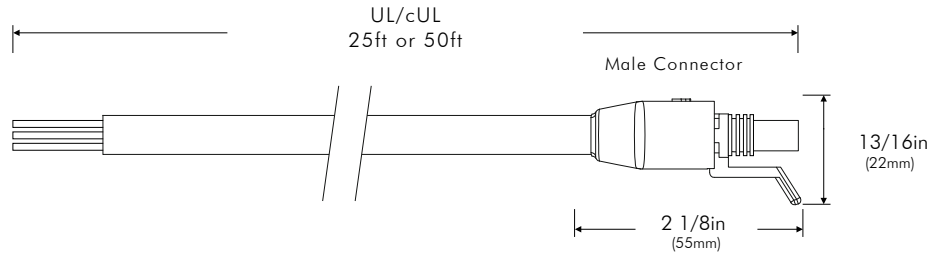
Output

	UL/cUL	
Live 100-277V AC		Black
Neutral		White
Ground		Green

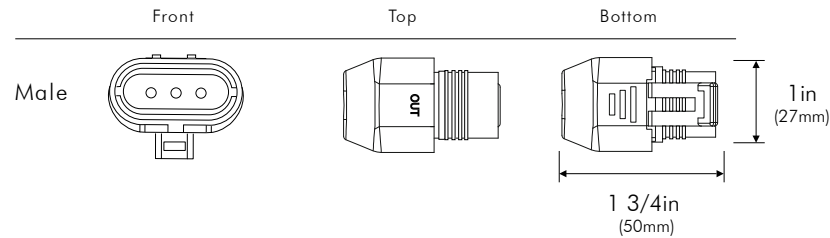
ELV Leader Cables

Moda Cove Exterior 3 Pin Leader Cables

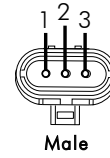
	UL/cUL
Lengths	25ft and 50ft
Color	Black



Connectors



Pin Assignment

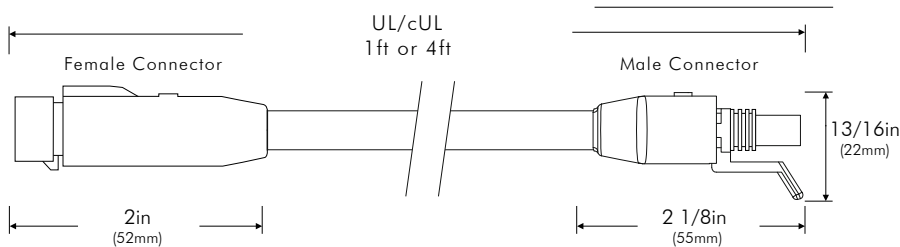


	UL/cUL
1 Live 100-277V	Black
2 Ground	Green
3 Neutral	White

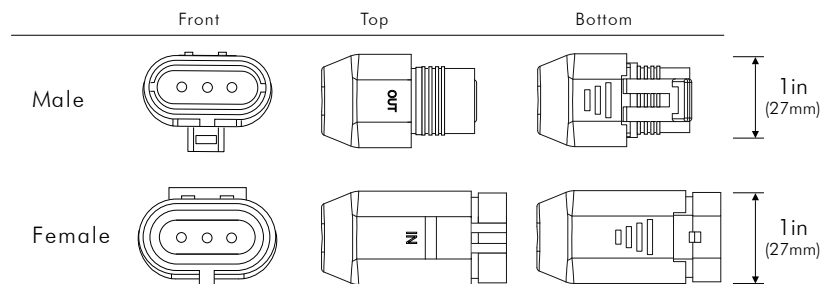
ELV Jumper Cables

Moda Cove Exterior 3 Pin Jumper Cables

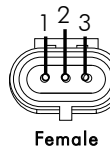
	UL/cUL
Lengths	1ft and 4ft
Color	Black



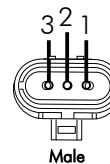
Connectors



Pin Assignment



	UL/cUL
1 Live 100-277V	Black
2 Ground	Green
3 Neutral	White



	UL/cUL
1 Live 100-277V	Black
2 Ground	Green
3 Neutral	White

	FIXTURE	ORDERING SKU
ELV LO 1 FT	Moda Cove Exterior Low Output Silver ELV Dimming 2200K HCRI 1FT	MCE-LO-S1-S-22H-1
	Moda Cove Exterior Low Output Silver ELV Dimming 2700K HCRI 1FT	MCE-LO-S1-S-27H-1
	Moda Cove Exterior Low Output Silver ELV Dimming 3000K HCRI 1FT	MCE-LO-S1-S-3H-1
	Moda Cove Exterior Low Output Silver ELV Dimming 3500K HCRI 1FT	MCE-LO-S1-S-35H-1
	Moda Cove Exterior Low Output Silver ELV Dimming 4000K HCRI 1FT	MCE-LO-S1-S-4H-1
ELV SO 1 FT	Moda Cove Exterior Standard Output Silver ELV Dimming 2200K HCRI 1FT	MCE-SO-S1-S-22H-1
	Moda Cove Exterior Standard Output Silver ELV Dimming 2700K HCRI 1FT	MCE-SO-S1-S-27H-1
	Moda Cove Exterior Standard Output Silver ELV Dimming 3000K HCRI 1FT	MCE-SO-S1-S-3H-1
	Moda Cove Exterior Standard Output Silver ELV Dimming 3500K HCRI 1FT	MCE-SO-S1-S-35H-1
	Moda Cove Exterior Standard Output Silver ELV Dimming 4000K HCRI 1FT	MCE-SO-S1-S-4H-1
ELV SO+ 1 FT	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 2700K HCRI 1FT	MCE-SOP-S1-S-27H-1
	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 3000K HCRI 1FT	MCE-SOP-S1-S-3H-1
	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 3500K HCRI 1FT	MCE-SOP-S1-S-35H-1
	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 4000K HCRI 1FT	MCE-SOP-S1-S-4H-1
ELV HO 1 FT	Moda Cove Exterior High Output Silver ELV Dimming 2700K HCRI 1FT	MCE-HO-S1-S-27H-1
	Moda Cove Exterior High Output Silver ELV Dimming 3000K HCRI 1FT	MCE-HO-S1-S-3H-1
	Moda Cove Exterior High Output Silver ELV Dimming 3500K HCRI 1FT	MCE-HO-S1-S-35H-1
	Moda Cove Exterior High Output Silver ELV Dimming 4000K HCRI 1FT	MCE-HO-S1-S-4H-1
ELV HO+ 1 FT	Moda Cove Exterior High Output Plus Silver ELV Dimming 2200K HCRI 1FT	MCE-HOP-S1-S-22H-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming 2700K HCRI 1FT	MCE-HOP-S1-S-27H-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming 3000K HCRI 1FT	MCE-HOP-S1-S-3H-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming 3500K HCRI 1FT	MCE-HOP-S1-S-35H-1
	Moda Cove Exterior High Output Plus Silver ELV Dimming 4000K HCRI 1FT	MCE-HOP-S1-S-4H-1
ELV LO 4 FT	Moda Cove Exterior Low Output Silver ELV Dimming 2200K HCRI 4FT	MCE-LO-S1-S-22H-4
	Moda Cove Exterior Low Output Silver ELV Dimming 2700K HCRI 4FT	MCE-LO-S1-S-27H-4
	Moda Cove Exterior Low Output Silver ELV Dimming 3000K HCRI 4FT	MCE-LO-S1-S-3H-4
	Moda Cove Exterior Low Output Silver ELV Dimming 3500K HCRI 4FT	MCE-LO-S1-S-35H-4
	Moda Cove Exterior Low Output Silver ELV Dimming 4000K HCRI 4FT	MCE-LO-S1-S-4H-4
ELV SO 4 FT	Moda Cove Exterior Standard Output Silver ELV Dimming 2200K HCRI 4FT	MCE-SO-S1-S-22H-4
	Moda Cove Exterior Standard Output Silver ELV Dimming 2700K HCRI 4FT	MCE-SO-S1-S-27H-4
	Moda Cove Exterior Standard Output Silver ELV Dimming 3000K HCRI 4FT	MCE-SO-S1-S-3H-4
	Moda Cove Exterior Standard Output Silver ELV Dimming 3500K HCRI 4FT	MCE-SO-S1-S-35H-4
	Moda Cove Exterior Standard Output Silver ELV Dimming 4000K HCRI 4FT	MCE-SO-S1-S-4H-4
ELV SO+ 4 FT	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 2700K HCRI 4FT	MCE-SOP-S1-S-27H-4
	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 3000K HCRI 4FT	MCE-SOP-S1-S-3H-4
	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 3500K HCRI 4FT	MCE-SOP-S1-S-35H-4
	Moda Cove Exterior Standard Output Plus Silver ELV Dimming 4000K HCRI 4FT	MCE-SOP-S1-S-4H-4

	FIXTURE	ORDERING SKU
ELV HO 4FT	Moda Cove Exterior High Output Silver ELV Dimming 2700K HCRI 4FT	MCE-HO-S1-S-27H-4
	Moda Cove Exterior High Output Silver ELV Dimming 3000K HCRI 4FT	MCE-HO-S1-S-3H-4
	Moda Cove Exterior High Output Silver ELV Dimming 3500K HCRI 4FT	MCE-HO-S1-S-35H-4
	Moda Cove Exterior High Output Silver ELV Dimming 4000K HCRI 4FT	MCE-HO-S1-S-4H-4
ELV HO+ 4FT	Moda Cove Exterior High Output Plus Silver ELV Dimming 2200K HCRI 4FT	MCE-HOP-S1-S-22H-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming 2700K HCRI 4FT	MCE-HOP-S1-S-27H-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming 3000K HCRI 4FT	MCE-HOP-S1-S-3H-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming 3500K HCRI 4FT	MCE-HOP-S1-S-35H-4
	Moda Cove Exterior High Output Plus Silver ELV Dimming 4000K HCRI 4FT	MCE-HOP-S1-S-4H-4

ACCESSORIES	DESCRIPTION	ORDERING 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
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	PART NUMBER	ORDERING SKU
MODA Bridge 1 2.0 US	Allows user to convert a 0-10V dimming signal into an ELV dimming signal. North American Model	MODA-BRIDGE-1-S2-S	250-0000