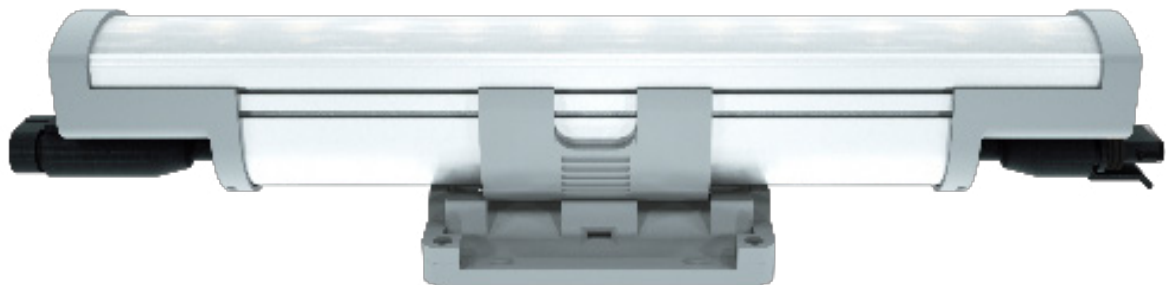


Client: _____ Project Name: _____

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. 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. Wall wash any applications with a choice of 6°, 10°, 25°, 40°, 10°x40°, 30°x60° or forward throw asymmetric beam patterns for SO+ and HO or 30°x100° for LO, SO or HO+ Lumen packages. Standard color temperatures available are 2200K, 2700K, 3000K, 3500K, and 4000K. Other CCT are available by request. 100-277V AC, 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. Choice of five lumen packages ranging from 200 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.

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12	ACCESSORIES: CABLES
13	FIXTURES AND 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	Wet 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	2200K, 2700K, 3000K, 3500K, 4000K 2 Step MacAdam Ellipse
Color Bin Tolerance	Single Bin
CRI	94 - 98
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

BEAM ANGLES

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

CCT

	LO	SO	SO+	HO	HO+
1 Foot	22K	•	•		•
	27K	•	•	•	•
	3K	•	•	•	•
	35K	•	•	•	•
	4K	•	•	•	•
4 Foot	22K	•	•		•
	27K	•	•	•	•
	3K	•	•	•	•
	35K	•	•	•	•
	4K	•	•	•	•

• Available

MODA TECHNOLOGY

moda SOFTWARE ™	moda ZERO BIN ™
moda HARDWARE ™	moda THERMAL MANAGEMENT ™
moda PHOSPHOR ™	moda AIRFLOW ™
moda HIGH CRI ™	moda COMMUNICATE ™
moda DRIVER ™	moda KWIK CONNECT ™
moda GUARD ™	moda SEAL ™



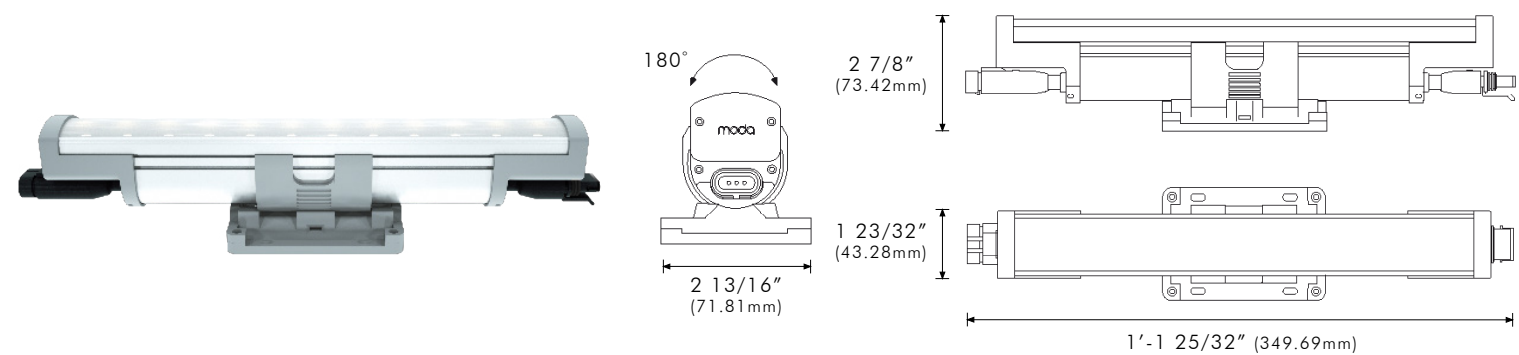
RoHS ✓



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

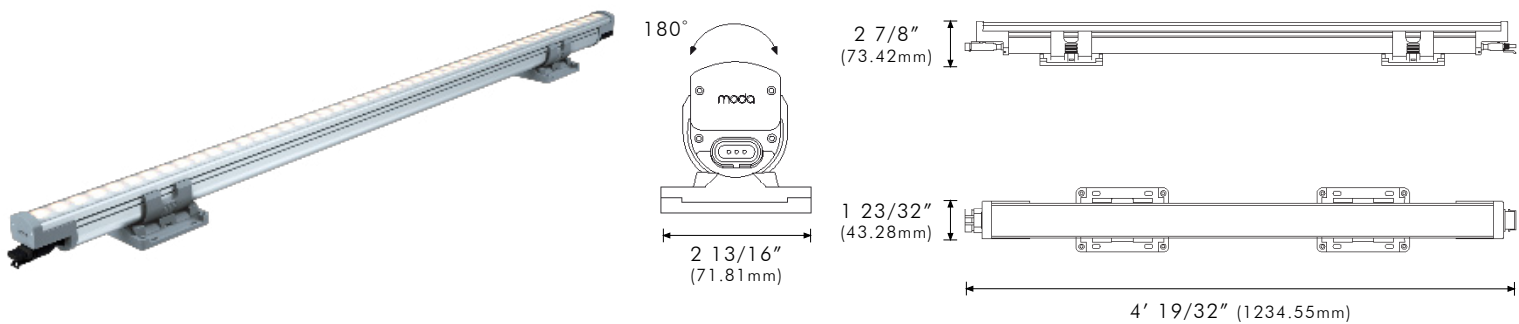


ELV

Output	CCT	6°		10°		25°		40°		10°x40°		30°x60°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
SO+	27K	940.08	94.00	928.08	92.80	914.08	91.40	904.08	90.40	895.08	89.50	892.08	89.08
	3K	942.05	94.20	930.05	93.00	916.05	91.60	906.05	90.60	897.05	89.70	894.50	89.40
	35K	945.05	94.50	933.05	93.30	919.05	91.90	909.05	90.90	900.05	90.00	897.05	89.70
	4K	951.05	95.10	939.05	93.90	925.05	92.50	915.05	91.50	906.05	90.06	903.05	90.30
HO	27K	1190.26	119.02	1178.26	117.82	1164.26	116.42	1154.26	115.42	1145.26	114.52	1142.26	114.22
	3K	1320.36	132.03	1298.36	129.83	1284.36	128.43	1322.10	132.21	1265.36	126.53	1262.36	126.23
	35K	1358.10	135.81	1346.10	134.61	1322.10	133.21	1322.10	132.21	1313.10	131.31	1310.10	131.01
	4K	1407.15	140.71	1395.15	139.51	1381.15	138.11	1371.15	137.11	1362.15	136.21	1359.15	135.91

*2200K not available for SO+ or HO

Output	CCT	Forward Throw Asymmetric		Output	CCT	30°x100°		Output	Power Consumption 100-277V AC	Max Run Length	
		Lumens	Efficacy			Lumens	Efficacy			120V AC	277V AC
SO+	27K	890.08	89.00	LO	22K	250.50	62.00	LO	4W	180 ft	360 ft
	3K	892.05	89.20		27K	310.00	77.00	SO	5W	120 ft	240 ft
	35K	895.05	89.50		3K	322.00	83.00	SO+	10W	60 ft	120 ft
	4K	901.05	90.10		35K	344.00	86.00	HO	10W	60 ft	120 ft
					4K	352.00	88.00	HO+	10W	60 ft	120 ft
HO	27K	1140.26	114.02	SO	22K	339.80	67.96				
	3K	1260.36	126.03		27K	450.67	90.13				
	35K	1308.10	130.81		3K	490.25	98.05				
	4K	1359.15	135.91		35K	491.33	98.26				
					4K	493.84	98.76				
				HO+	22K	1085.20	108.52				
					27K	1219.74	121.97				
					3K	1223.56	122.35				
					35K	1236.09	123.60				
					4K	1240.01	124.00				



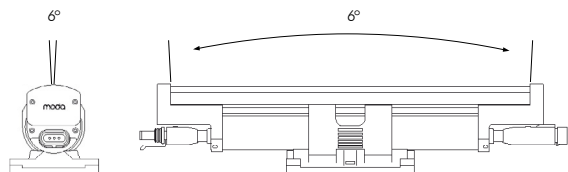
ELV

Output	CCT	6°		10°		25°		40°		10°x40°		30°x60°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
SO+	27K	3310.67	82.76	3298.67	82.46	3284.68	82.11	3274.68	81.86	32.65.68	81.64	3262.68	81.56
	3K	3318.23	82.95	3306.23	82.65	3292.23	82.30	3282.23	82.05	3273.23	81.83	3270.23	81.75
	35K	3335.20	83.38	3323.20	83.08	3309.20	82.73	3299.10	82.48	3290.20	82.25	3287.20	82.18
	4K	3358.40	83.96	3346.40	83.66	3332.40	83.31	3322.40	83.06	3313.40	82.83	3310.40	82.76
HO	27K	4314.02	107.85	4302.02	107.55	4288.02	107.20	4278.02	106.95	4269.02	106.72	4266.02	106.65
	3K	4785.40	119.63	4773.40	119.34	4759.40	118.98	4749.40	118.73	4740.40	118.51	4737.40	118.43
	35K	4982.40	124.56	4956.40	123.91	4956.40	123.91	4946.40	123.66	4937.40	123.43	4934.40	123.36
	4K	5162.60	129.06	5150.60	128.77	6136.60	128.41	5126.60	128.16	5117.60	127.94	5114.60	127.86

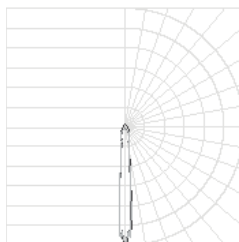
*2200K not available for SO+ or HO

Output	CCT	Forward Throw Asymmetric		Output	CCT	30°x100°		Output	Power Consumption 100-277V AC	Max Run Length	
		Lumens	Efficacy			Lumens	Efficacy			120V AC	277V AC
SO+	27K	3260.68	81.51	LO	22K	1002.00	62.62	LO	16W	180 ft	360 ft
	3K	3292.23	82.30		27K	1234.00	77.00	SO	19W	120 ft	240 ft
	35K	3285.20	82.13		3K	1316.00	82.00	SO+	40W	60 ft	120 ft
	4K	3308.40	32.71		35K	1366.00	85.00	HO	40W	60 ft	120 ft
					4K	1406.00	87.00	HO+	40W	60 ft	120 ft
HO	27K	4264.02	106.60	SO	22K	1368.11	72.00				
	3K	4735.40	118.38		27K	1783.10	93.84				
	35K	4932.40	123.31		3K	1820.18	95.79				
	4K	5112.60	127.81		35K	1900.45	100.02				
					4K	1975.36	103.96				
				HO+	22K	4300.80	107.52				
					27K	4587.96	114.69				
					3K	4794.28	119.85				
					35K	4844.63	121.11				
					4K	4960.04	124.00				

6° Beam Angle



Polar Candela Distribution (HO 4000K)

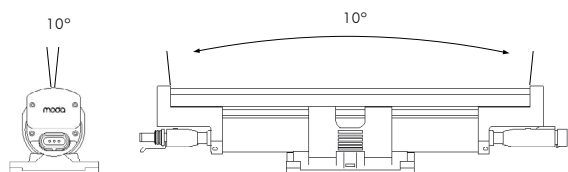


Illuminance at a Distance (HO 4000K)

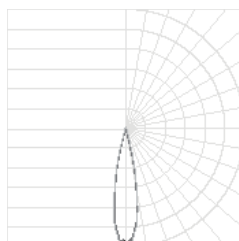
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	41.43 fc	152.02 fc	0.4 ft	0.3 ft
4.0 ft	10.35 fc	38.00 fc	0.8 ft	0.7 ft
6.0 ft	5.17 fc	19.00 fc	1.2 ft	1.1 ft
8.0 ft	2.58 fc	9.50 fc	1.6 ft	1.5 ft
10.0 ft	1.29 fc	4.75 fc	2.1 ft	2.0 ft
12.0 ft	1.03 fc	3.80 fc	2.5 ft	2.4 ft

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

10° Beam Angle



Polar Candela Distribution (HO 4000K)

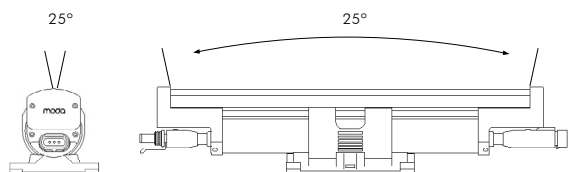


Illuminance at a Distance (HO 4000K)

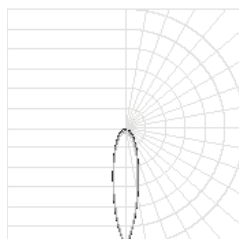
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	60.76 fc	224.32 fc	0.4 ft	0.3 ft
4.0 ft	15.19 fc	56.08 fc	0.8 ft	0.7 ft
6.0 ft	7.59 fc	28.04 fc	1.2 ft	1.1 ft
8.0 ft	3.79 fc	14.02 fc	1.6 ft	1.5 ft
10.0 ft	1.89 fc	7.01 fc	2.1 ft	2.0 ft
12.0 ft	1.51 fc	5.60 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution (HO 4000K)

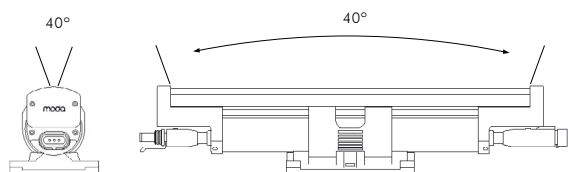


Illuminance at a Distance (HO 4000K)

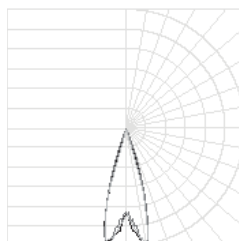
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	37.34 fc	224.32 fc	0.5 ft	0.5 ft
4.0 ft	9.33 fc	56.08 fc	1.0 ft	1.0 ft
6.0 ft	4.66 fc	28.04 fc	1.5 ft	1.6 ft
8.0 ft	2.33 fc	14.02 fc	2.0 ft	2.2 ft
10.0 ft	1.16 fc	7.01 fc	2.5 ft	2.7 ft
12.0 ft	0.93 fc	5.60 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution (HO 4000K)

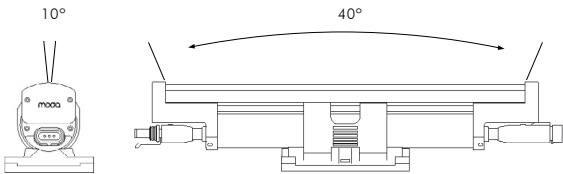


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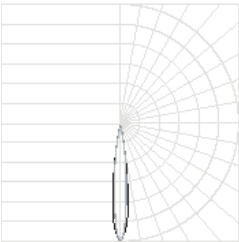
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	17.07 fc	63.84 fc	1.0 ft	0.8 ft
4.0 ft	4.26 fc	15.96 fc	1.9 ft	1.5 ft
6.0 ft	2.13 fc	7.98 fc	2.8 ft	2.4 ft
8.0 ft	1.06 fc	3.99 fc	3.8 ft	3.2 ft
10.0 ft	0.53 fc	2.00 fc	4.8 ft	4.0 ft
12.0 ft	0.42 fc	1.60 fc	5.7 ft	4.7 ft

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

10°X40° Beam Angle



Polar Candela Distribution
(HO 4000K)

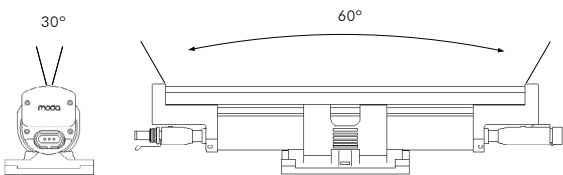


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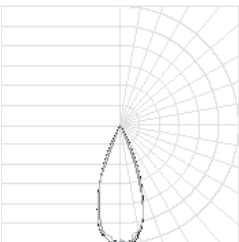
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	42.72 fc	160.52 fc	0.7 ft	0.5 ft
4.0 ft	10.68 fc	40.13 fc	1.5 ft	1.0 ft
6.0 ft	5.34 fc	20.06 fc	2.2 ft	1.4 ft
8.0 ft	2.67 fc	10.03 fc	3.0 ft	1.9 ft
10.0 ft	1.33 fc	5.01 fc	4.6 ft	2.4 ft
12.0 ft	1.06 fc	4.01 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution
(HO 4000K)

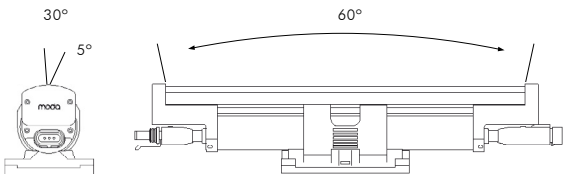


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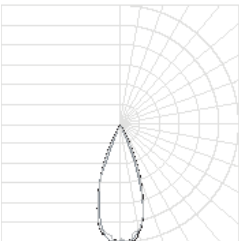
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	108.73 fc	409.17 fc	1.3 ft	2.0 ft
4.0 ft	27.18 fc	102.29 fc	3.1 ft	4.7 ft
6.0 ft	13.59 fc	51.15 fc	4.0 ft	6.6 ft
8.0 ft	6.79 fc	25.15 fc	5.8 ft	9.3 ft
10.0 ft	3.39 fc	12.79 fc	7.0 ft	11.2 ft
12.0 ft	2.71 fc	10.23 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



Polar Candela Distribution
(HO 4000K)

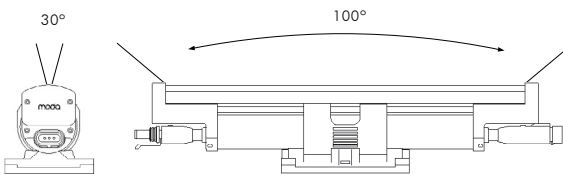


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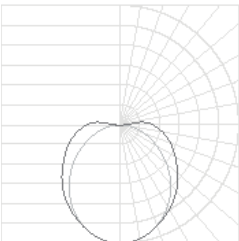
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	37.34 fc	59.40 fc	0.5 ft	0.5 ft
4.0 ft	9.33 fc	14.85 fc	1.0 ft	1.0 ft
6.0 ft	4.66 fc	7.42 fc	1.5 ft	1.6 ft
8.0 ft	2.33 fc	3.71 fc	2.0 ft	2.2 ft
10.0 ft	1.16 fc	1.85 fc	2.5 ft	2.7 ft
12.0 ft	0.93 fc	1.48 fc	3.0 ft	3.2 ft

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

30°x100° Beam Angle



Polar Candela Distribution
(HO+ 4000K)

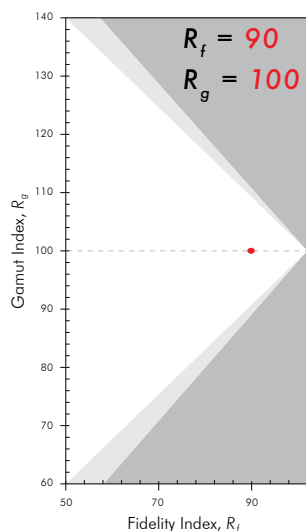


Illuminance at a Distance (HO+ 4000K)

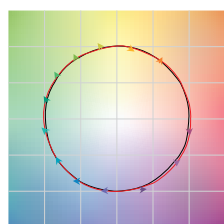
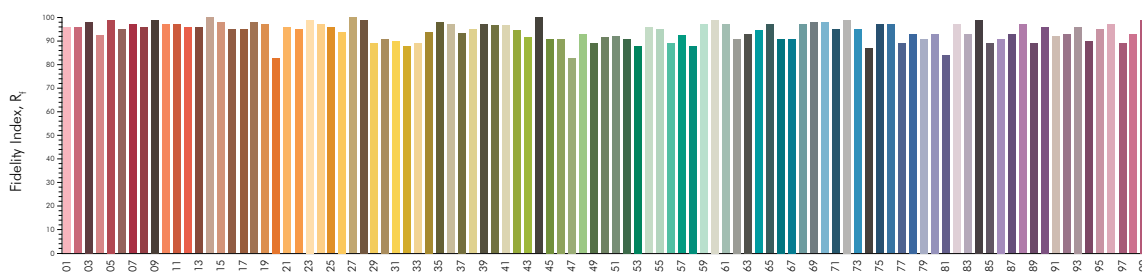
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	114.8 fc	459.20 fc	1.3 ft	2.0 ft
4.0 ft	28.7 fc	114.80 fc	3.1 ft	4.2 ft
6.0 ft	14.3 fc	57.40 fc	4.0 ft	6.6 ft
8.0 ft	7.1 fc	28.7 fc	5.8 ft	9.3 ft
10.0 ft	3.5 fc	14.30 fc	7.0 ft	11.2 ft
12.0 ft	2.8 fc	11.40 fc	9.0 ft	14.0 ft

■ Vert. Spread: 30° ■ Horiz. Spread: 100°

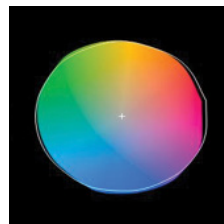
2200K TM30



Color Evaluation Sample

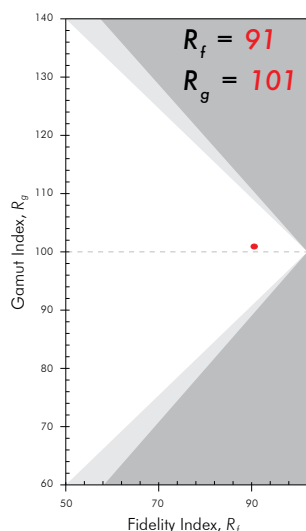


Color
Vector
Graphic

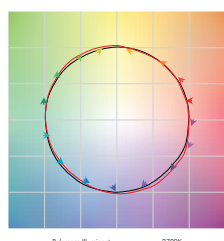
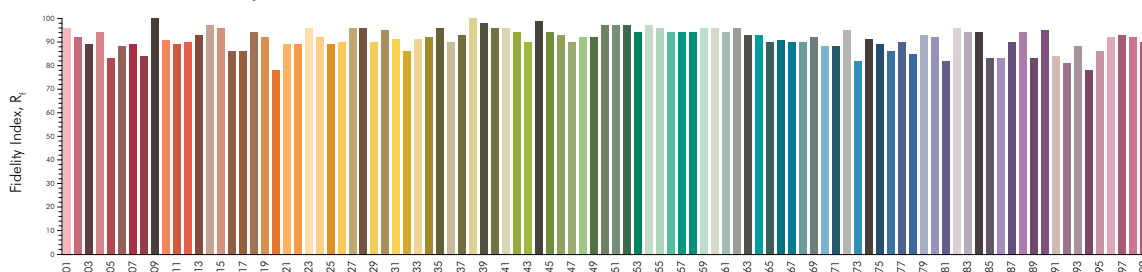


Color
Distortion
Graphic

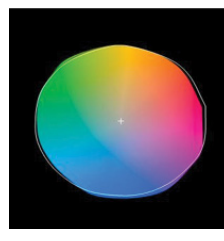
2700K TM30



Color Evaluation Sample

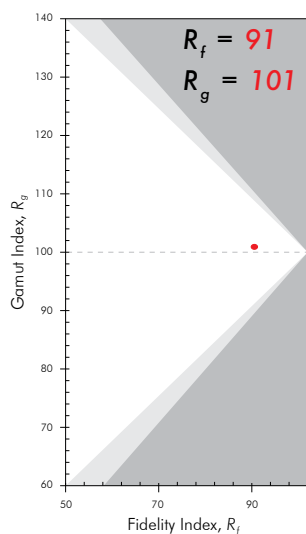


Color
Vector
Graphic

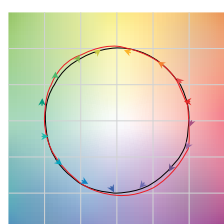
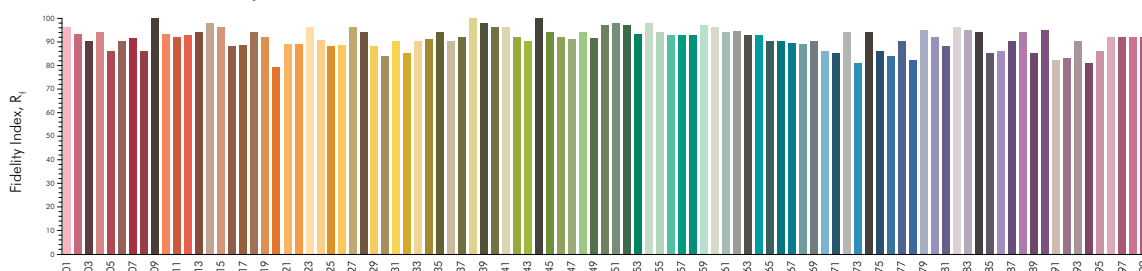


Color
Distortion
Graphic

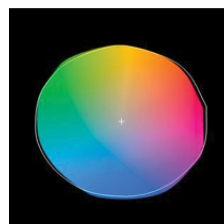
3000K TM30



Color Evaluation Sample

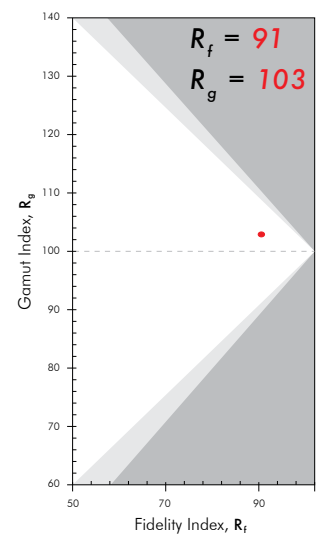


Color
Vector
Graphic

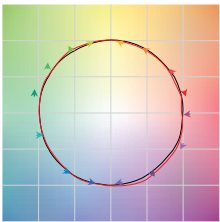
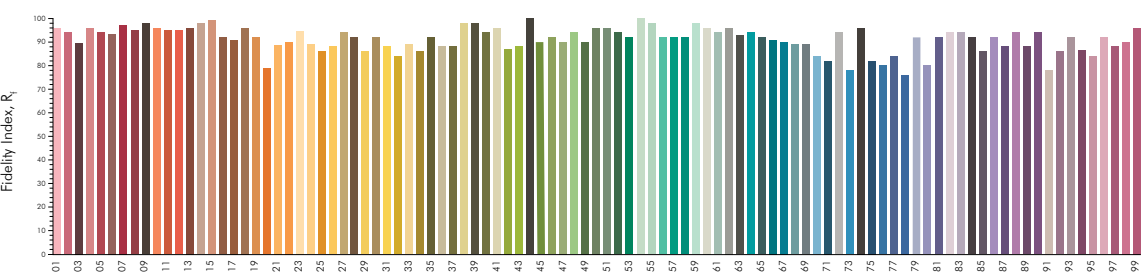


Color
Distortion
Graphic

3500K TM30



Color Evaluation Sample

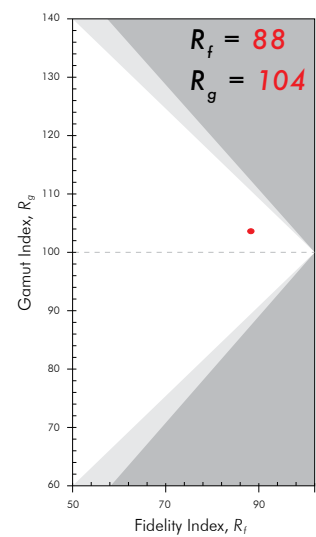


Color
Vector
Graphic

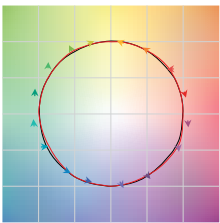
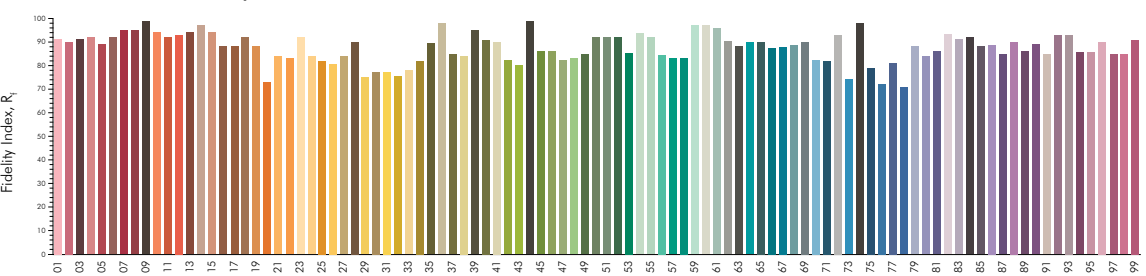


Color
Distortion
Graphic

4000K TM30



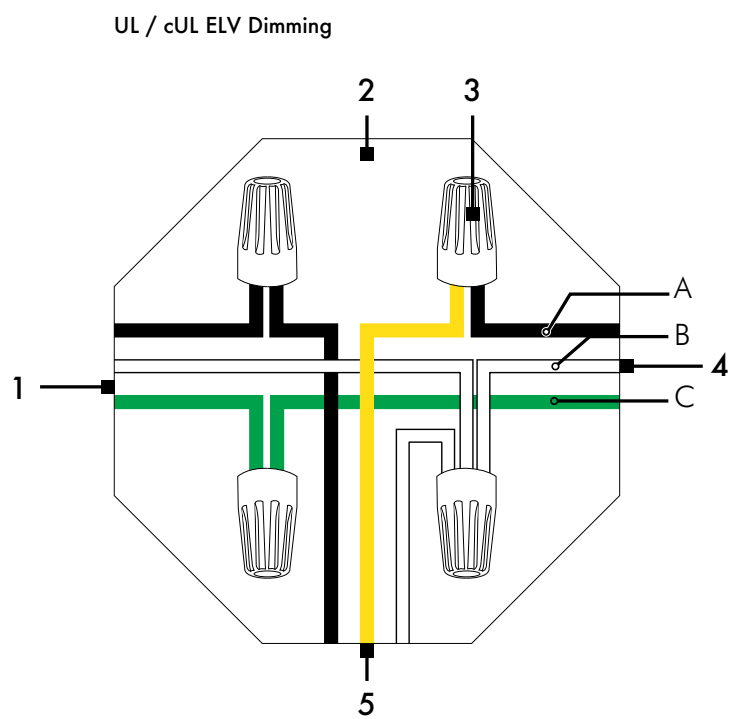
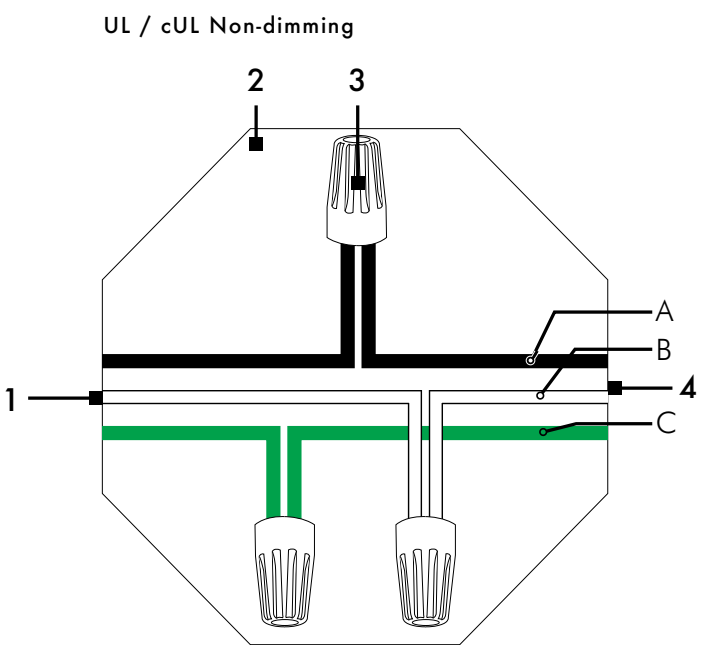
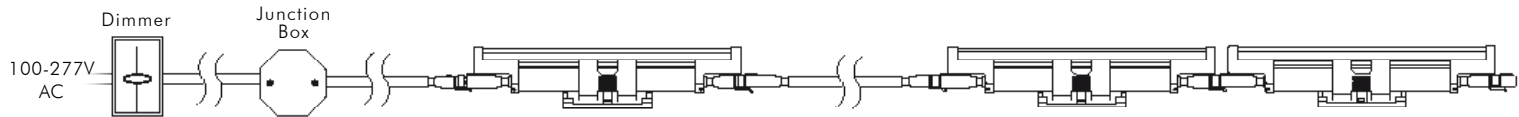
Color Evaluation Sample



Color
Vector
Graphic









Color
Distortion
Graphic



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

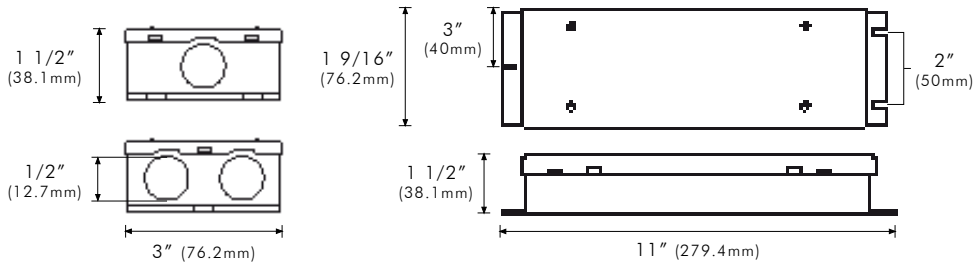
*Not illustrated

ELV Connectors

Female

Male

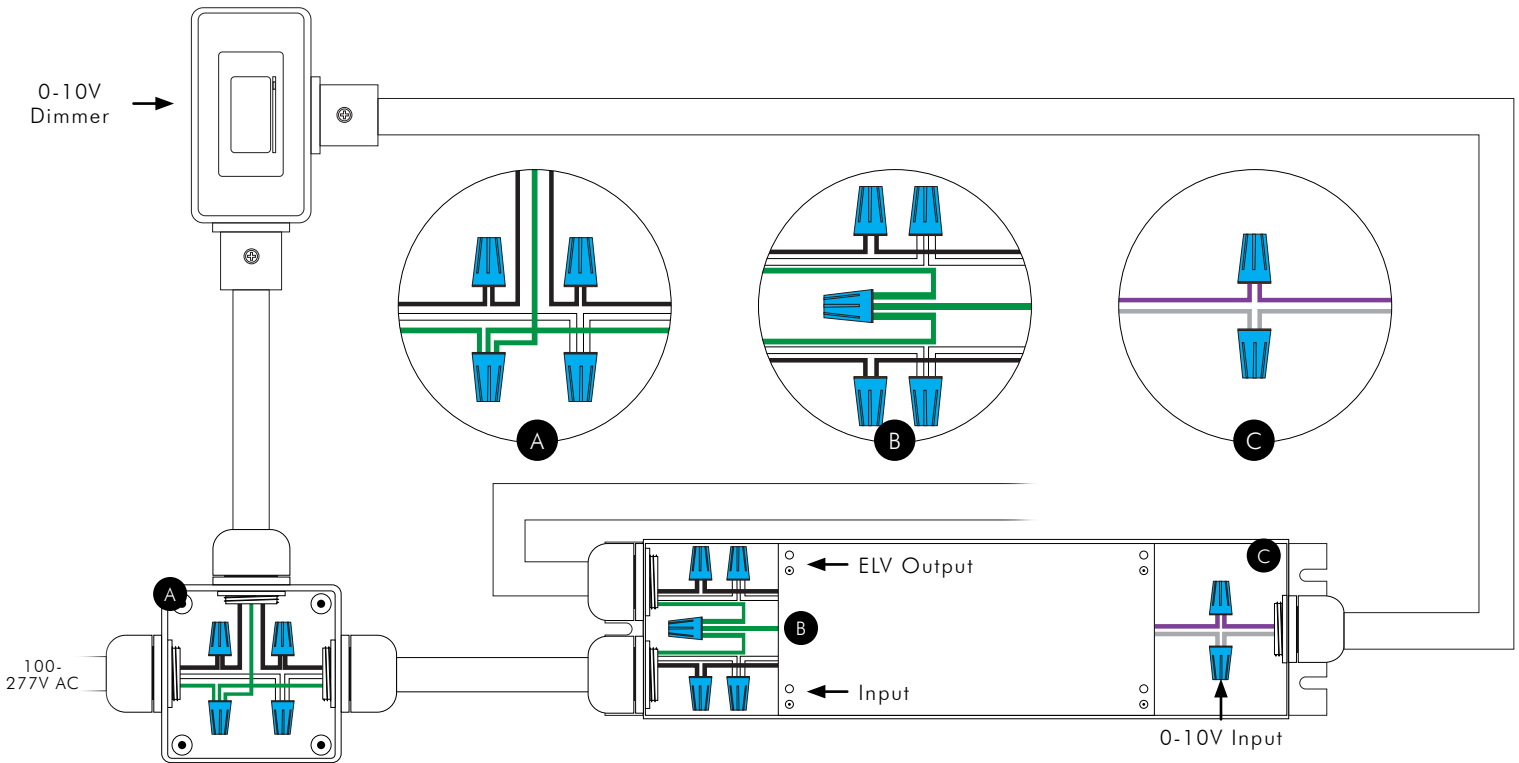
Angle Adjustment



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

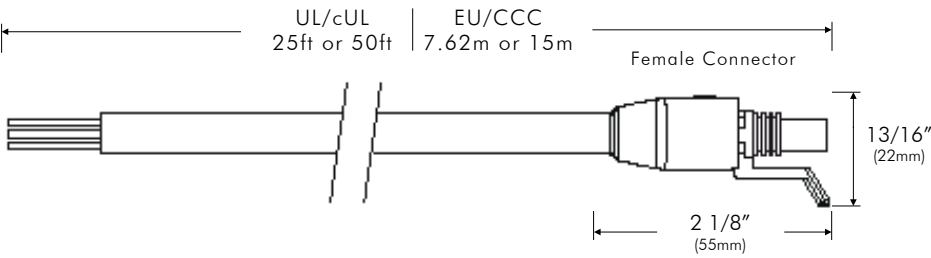
Output	UL/cUL		CE/CCC*	
Live 100-277V AC		Black		Brown
Neutral		White		Blue
Ground		Green		Green/Yellow

*Not illustrated

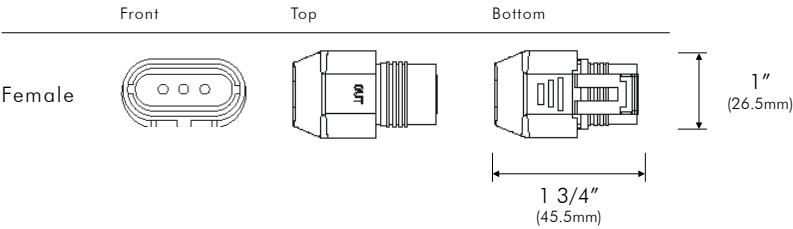
ELV Leader Cables

Moda Cove Exterior 3 Pin Leader Cables

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



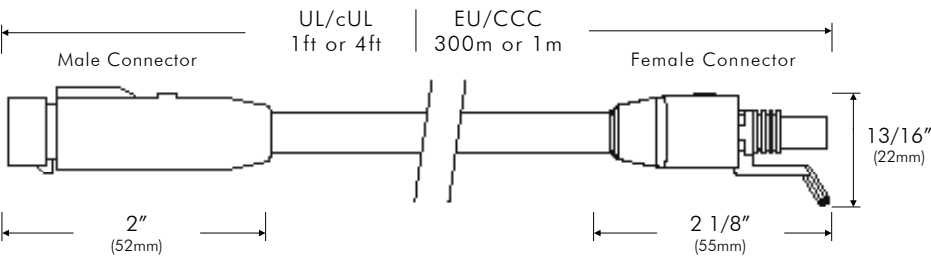
Connectors



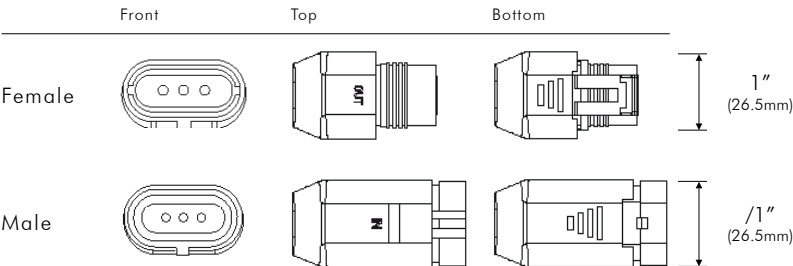
ELV Jumper Cables

Moda Cove Exterior 3 Pin Jumper Cables

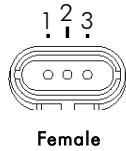
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



Connectors

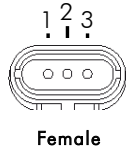


Pin Assignment

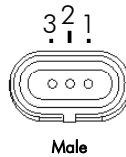


	UL/cUL	EU/CCC
1 Live 100-277V	Black	Brown
2 Ground	Green	Yellow/Green
3 Neutral	White	Blue

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



COMPLETE SKU SAMPLE: MGE-HO-S1-S-22H-1-6

A - FIXTURE & LOCATION

MGE — Moda Graze Exterior

B - LIGHT OUTPUT

LO — Low Output
SO — Standard Output
SO+ — Standard Output Plus
HO — High Output
HO+ — High Output Plus

C - SERIES NUMBER

S1 — Series 1

D - PRODUCT FINISH

S — Silver

E - FIXTURE & LOCATION

22H* — 2200K
27H — 2700K
3H — 3000K
35H — 3500K
4H — 4000K

*Not available for SO+ and HO

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 SO+ and HO

**Available only in LO, SO and HO+

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