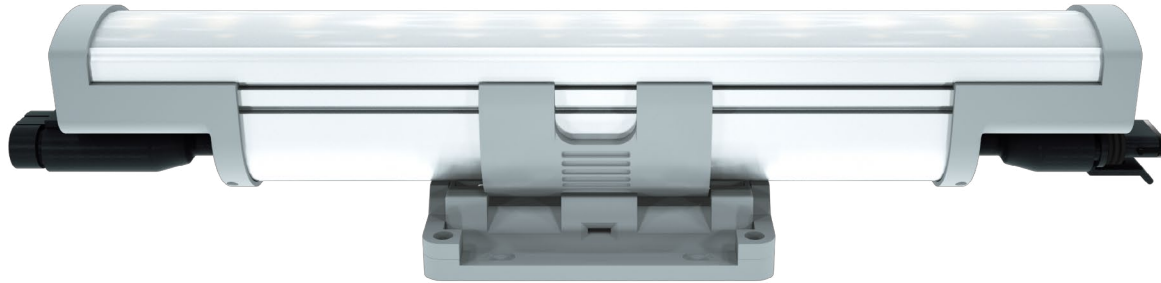


Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

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 30°x60°x5° 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, 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.

PAGE	
3	FEATURES
4	1 FOOT
5	4 FOOT
6	OPTIC FLEXIBILITY
7	OPTIC FLEXIBILITY CONTINUED
8	TM30
9	TM30 CONTINUED
10	ELV WIRING
11	ACCESSORIES: LEADER CABLES
12	ACCESSORIES: JUMPER CABLES
13	ACCESSORIES
14	ITEM NUMBER

PHYSICAL

Lengths	1ft & 4ft sections available
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°, 30°x60°x5°, 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 L50 @ 25°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Dimming	Electronic Low Voltage Reverse Phase Trailing Edge, DALI
Power Factor	≥ 0.98
Emergency	N/A

BEAM ANGLES

	LO	SO	SO+	HO	HO+
6°			•	•	
10°			•	•	
25°			•	•	
40°			•	•	
10°x40°			•	•	
30°x60°			•	•	
30°x60°x5°			•	•	
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

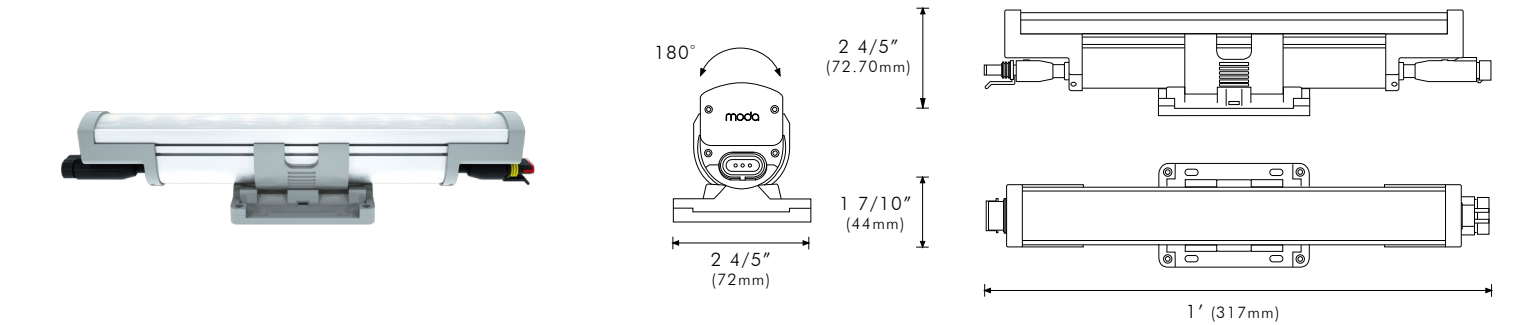
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moda COMMUNICATE [™]	moda DRIVER [™]	
moda CUE [™]	moda PHOSPHOR [™]	
moda GUARD [™]	moda THERMAL MANAGEMENT [™]	



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

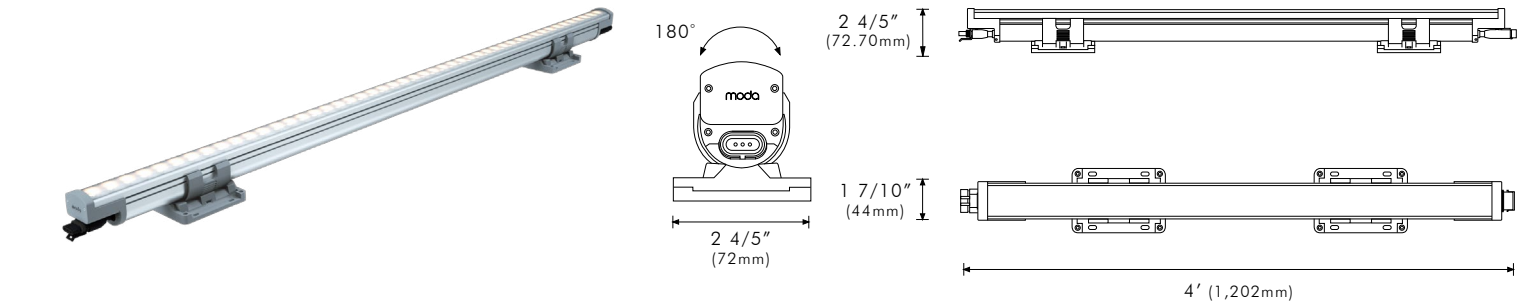


ELV

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	30°x60°x5°		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
HO	27K	1140.26	114.02	SO	4K	352.00	88.00	HO+	10W	60 ft	120 ft
	3K	1260.36	126.03		22K	339.80	67.96				
	35K	1308.10	130.81		27K	450.67	90.13				
	4K	1359.15	135.91		3K	490.25	98.05				
				HO+	35K	491.33	98.26				
					4K	493.84	98.76				
					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				



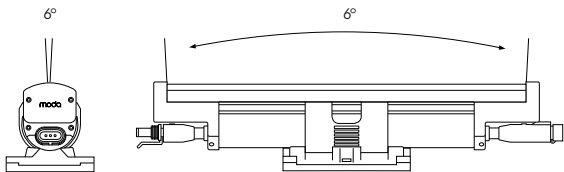
ELV

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	30°x60°x5°		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
HO	27K	4264.02	106.60	SO	4K	1406.00	87.00	HO+	40W	60 ft	120 ft
	3K	4735.40	118.38		22K	1368.11	72.00				
	35K	4932.40	123.31		27K	1783.10	93.84				
	4K	5112.60	127.81		3K	1820.18	95.79				
				HO+	35K	1900.45	100.02				
					4K	1975.36	103.96				
					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)

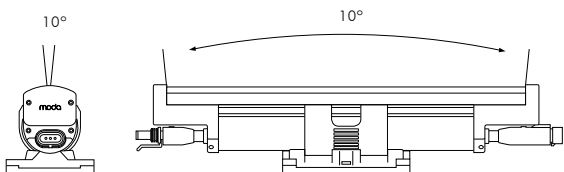


Illuminance at a Distance (HO 4000K)

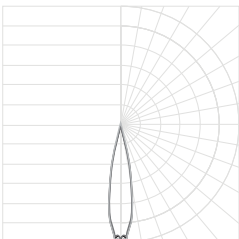
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	74.21 fc	272.28 fc	0.3 ft	0.2 ft
4.0 ft	18.55 fc	68.07 fc	0.7 ft	0.6 ft
6.0 ft	9.27 fc	34.03 fc	1.1 ft	1.0 ft
8.0 ft	4.63 fc	17.01 fc	1.5 ft	1.4 ft
10.0 ft	2.31 fc	8.50 fc	2.0 ft	1.9 ft
12.0 ft	1.85 fc	6.80 fc	2.4 ft	2.3 ft

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

10° Beam Angle



Polar Candela Distribution
(HO 4000K)

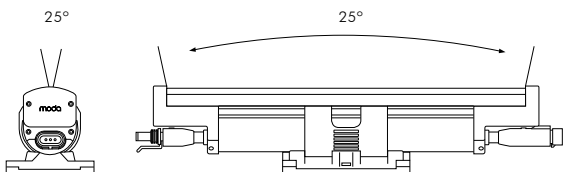


Illuminance at a Distance (HO 4000K)

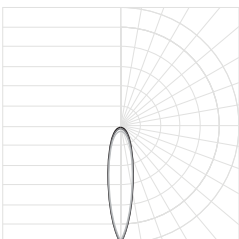
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	60.76 fc	224.32 fc	0.4 ft	0.3 ft
4.0 ft	15.19 fc	56.08 fc	0.8 ft	0.7 ft
6.0 ft	7.59 fc	28.04 fc	1.2 ft	1.1 ft
8.0 ft	3.79 fc	14.02 fc	1.6 ft	1.5 ft
10.0 ft	1.89 fc	7.01 fc	2.1 ft	2.0 ft
12.0 ft	1.51 fc	5.60 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution
(HO 4000K)

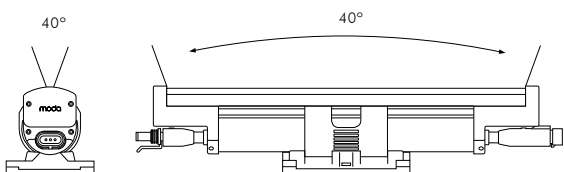


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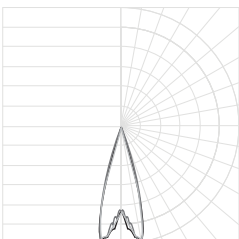
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	37.34 fc	165.94 fc	0.5 ft	0.5 ft
4.0 ft	9.33 fc	41.48 fc	1.0 ft	1.0 ft
6.0 ft	4.66 fc	20.74 fc	1.5 ft	1.6 ft
8.0 ft	2.33 fc	10.37 fc	2.0 ft	2.2 ft
10.0 ft	1.16 fc	5.18 fc	2.5 ft	2.7 ft
12.0 ft	0.93 fc	4.14 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution
(HO 4000K)

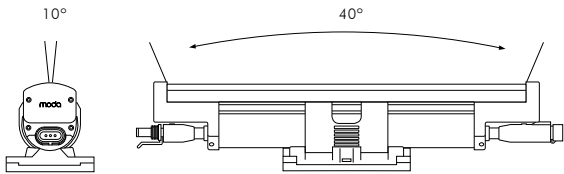


Illuminance at a Distance (HO 4000K)

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	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)

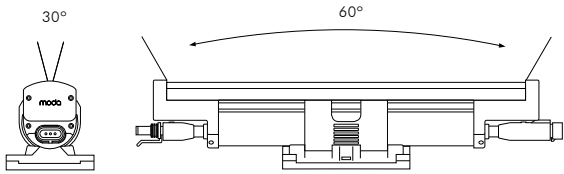


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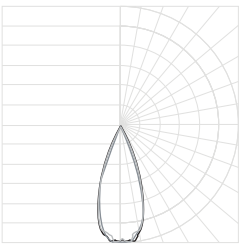
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	42.72 fc	160.52 fc	0.7 ft	0.5 ft
4.0 ft	10.68 fc	40.13 fc	1.5 ft	1.0 ft
6.0 ft	5.34 fc	20.06 fc	2.2 ft	1.4 ft
8.0 ft	2.67 fc	10.03 fc	3.0 ft	1.9 ft
10.0 ft	1.33 fc	5.01 fc	4.6 ft	2.4 ft
12.0 ft	1.06 fc	4.01 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution
(HO 4000K)

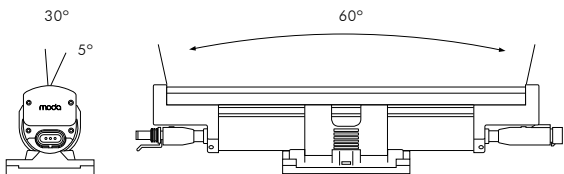


Illuminance at a Distance (HO 4000K)

	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)

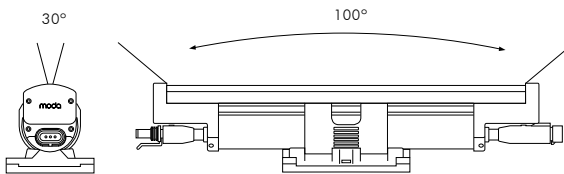


Illuminance at a Distance (HO 4000K)

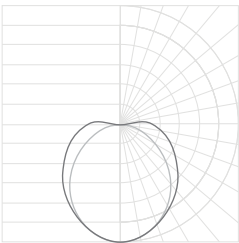
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	37.34 fc	59.40 fc	1.3 ft	0.3 ft
4.0 ft	9.33 fc	14.85 fc	2.6 ft	0.9 ft
6.0 ft	4.66 fc	7.42 fc	3.9 ft	1.3 ft
8.0 ft	2.33 fc	3.71 fc	5.2 ft	1.6 ft
10.0 ft	1.16 fc	1.85 fc	6.5 ft	1.9 ft
12.0 ft	0.93 fc	1.48 fc	7.87 ft	2.6 ft

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

30°x100° Beam Angle



Polar Candela Distribution
(HO+ 4000K)

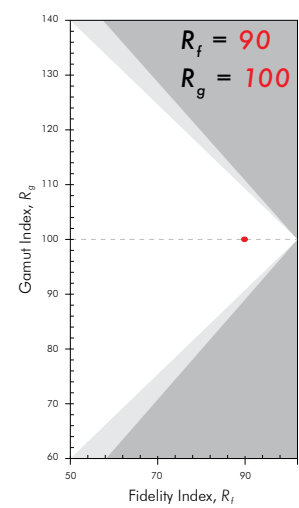


Illuminance at a Distance (HO+ 4000K)

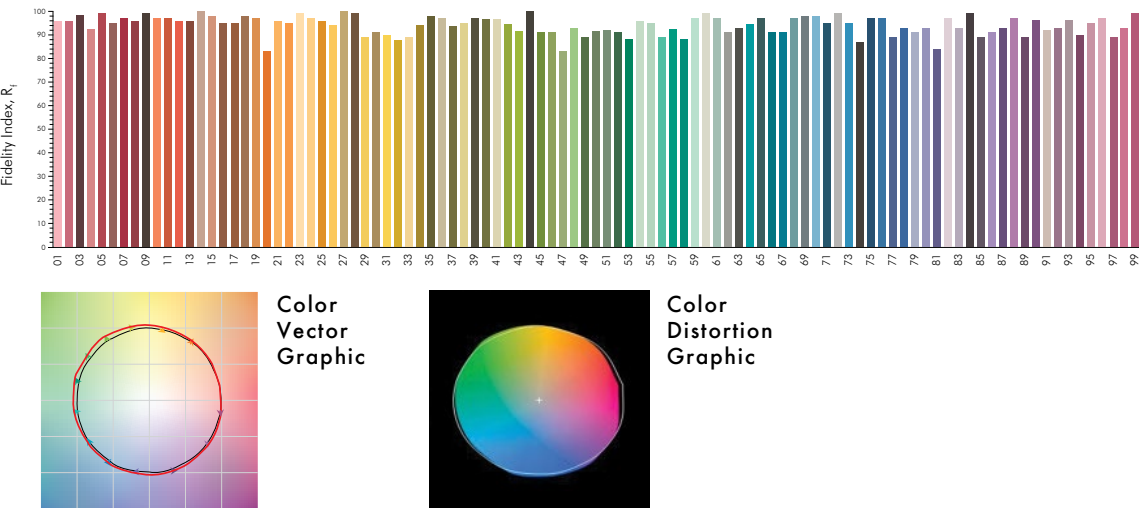
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	114.8 fc	459.20 fc	1.3 ft	2.0 ft
4.0 ft	28.7 fc	114.80 fc	3.1 ft	4.2 ft
6.0 ft	14.3 fc	57.40 fc	4.0 ft	6.6 ft
8.0 ft	7.1 fc	28.7 fc	5.8 ft	9.3 ft
10.0 ft	3.5 fc	14.30 fc	7.0 ft	11.2 ft
12.0 ft	2.8 fc	11.40 fc	9.0 ft	14.0 ft

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

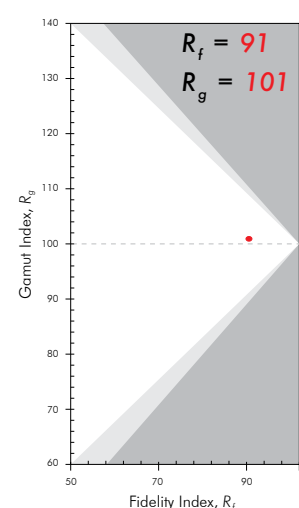
2200K TM30



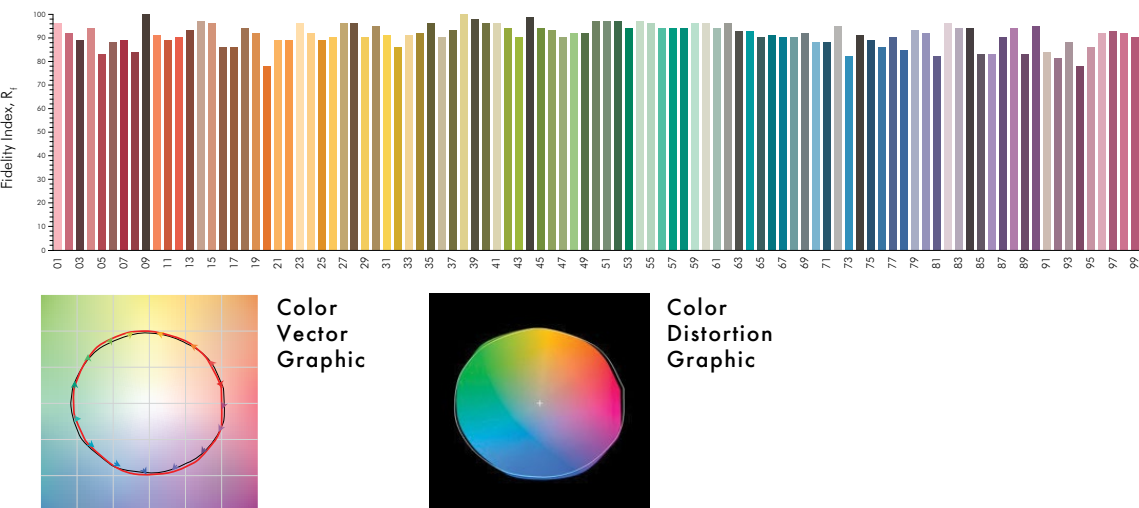
Color Evaluation Sample



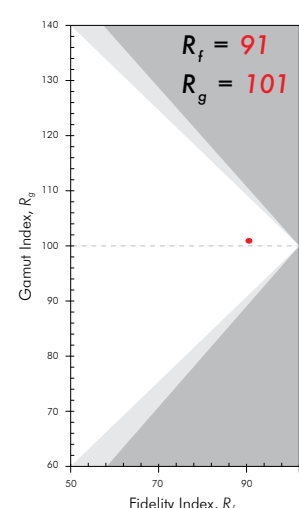
2700K TM30



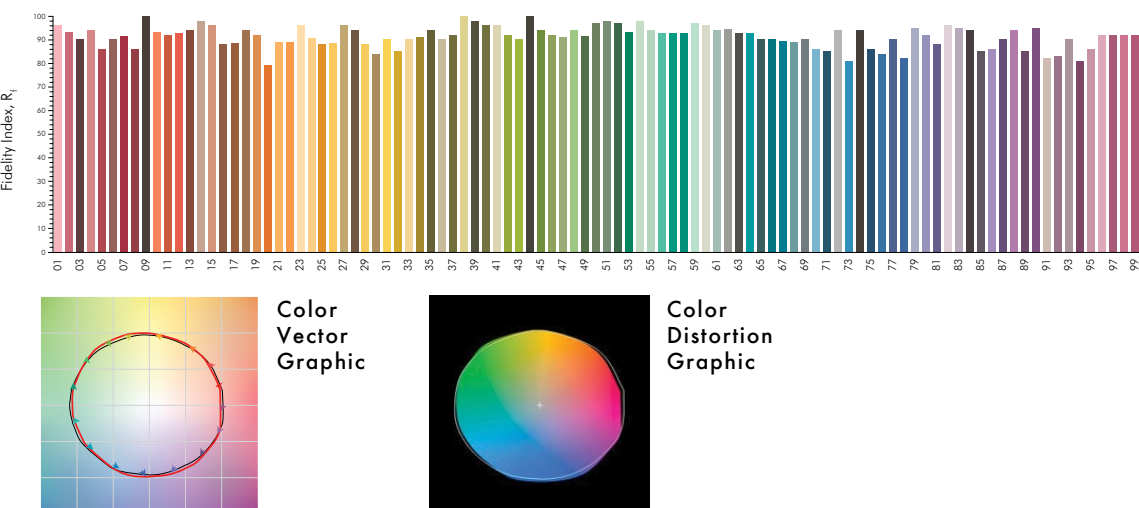
Color Evaluation Sample



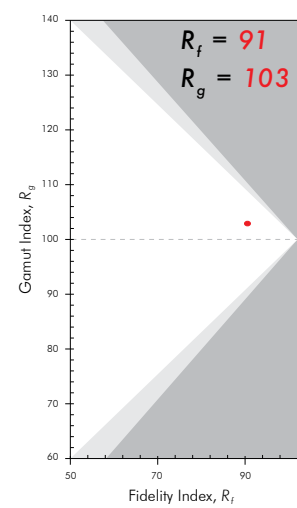
3000K TM30



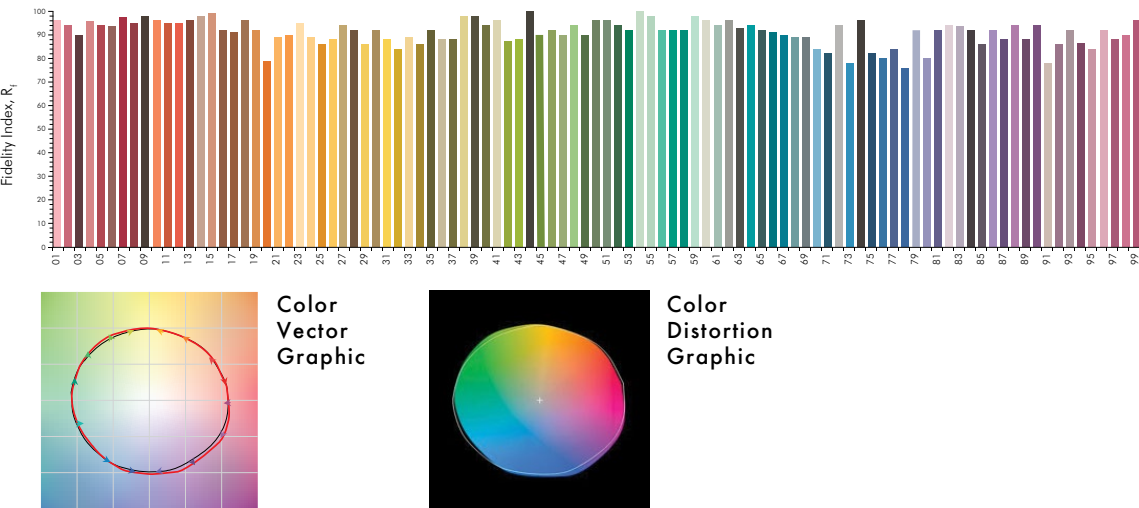
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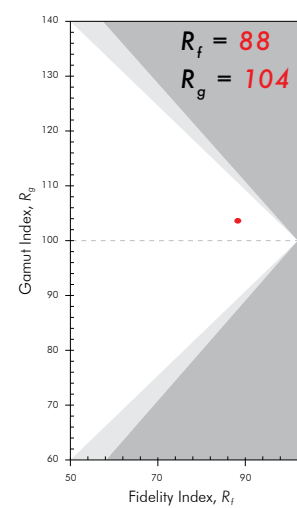
3500K TM30



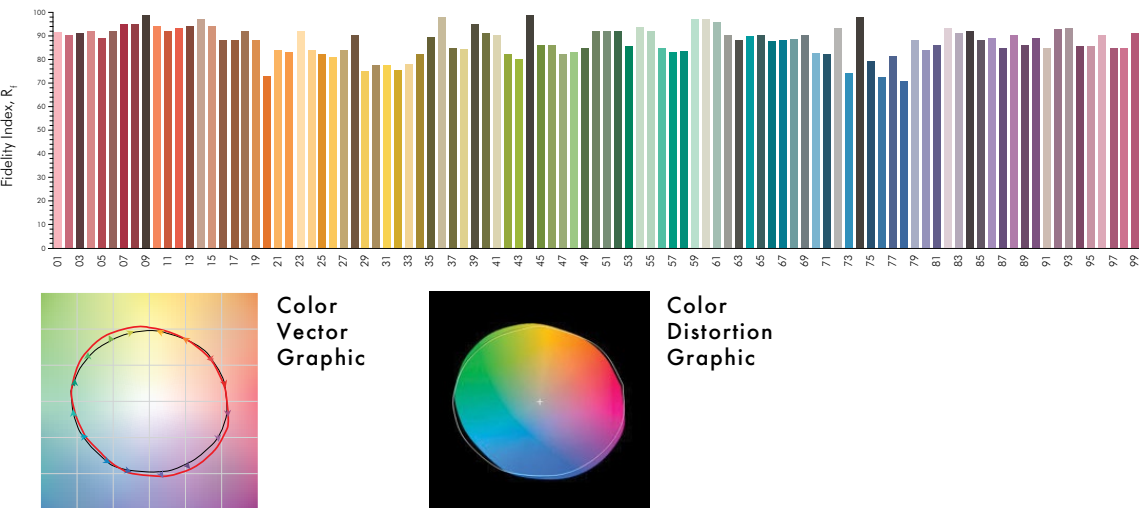
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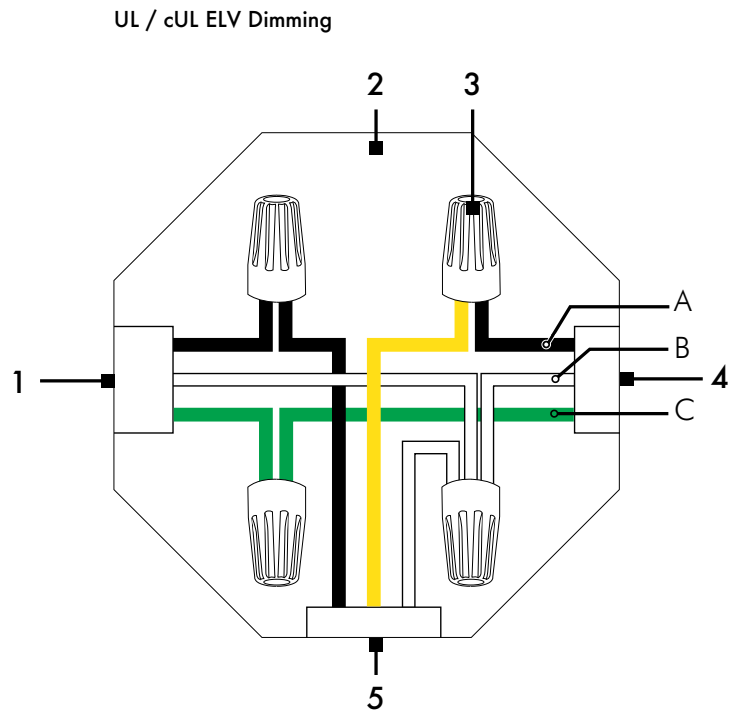
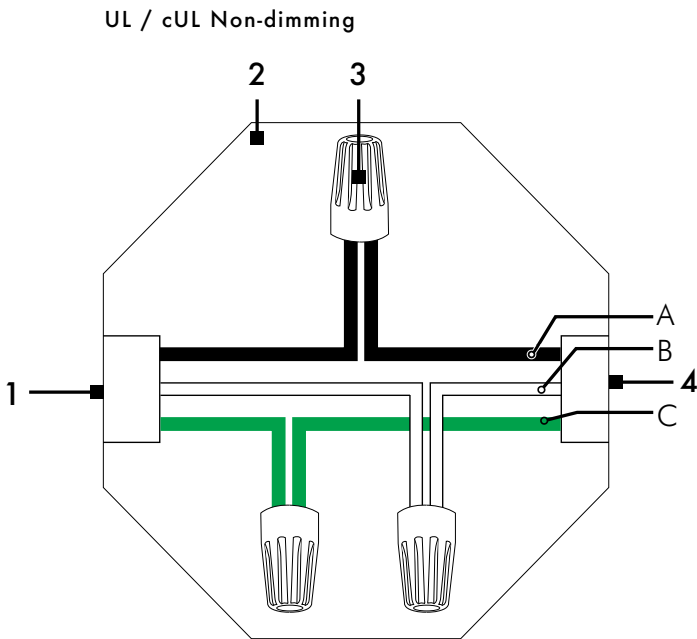
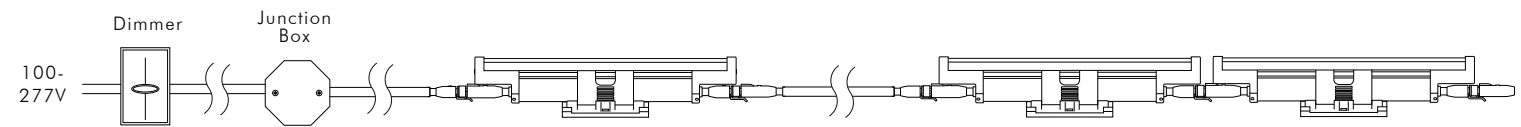


4000K TM30



Color Evaluation Sample





Wiring Legend

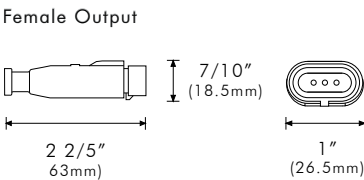
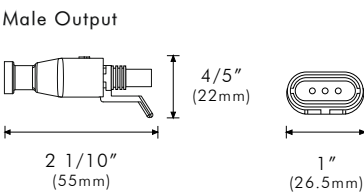
1	Power 100-277V
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

3 Pin Leader Cable

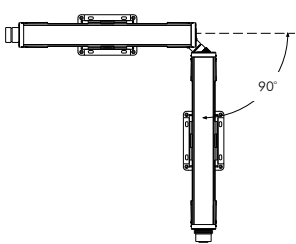
	UL/cUL	CE/CCC*
A Live 100-277V	Black	Brown
B Neutral	White	Blue
C Ground	Green/ Yellow	Yellow/ Green

*not illustrated

ELV Connectors



Angle Adjustment



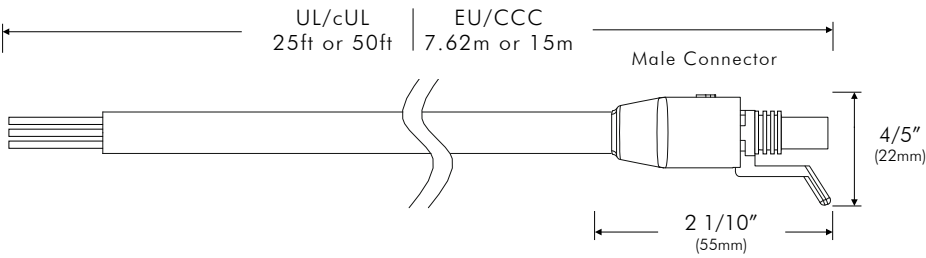
Compatible Dimmers

Lutron MAELV-600 (600W)
Lutron Skylark SELV-300P (300W)
Leviton MNE04 (400W)
Lutron DIVA DVELV-300P (300W)
Lutron DIVA DVELV-300P (300W) ADJUSTED

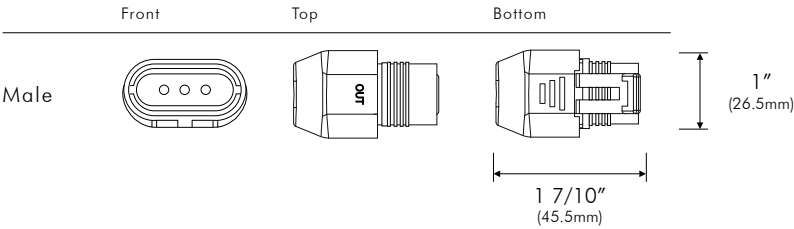
ELV

Moda Graze Exterior 3 Pin Leader Cables

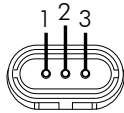
	UL/cUL	EU/CCC
Lengths	25ft and 50ft	7.62 and 15m
Color	Black	Black



Connectors



Pin Assignment



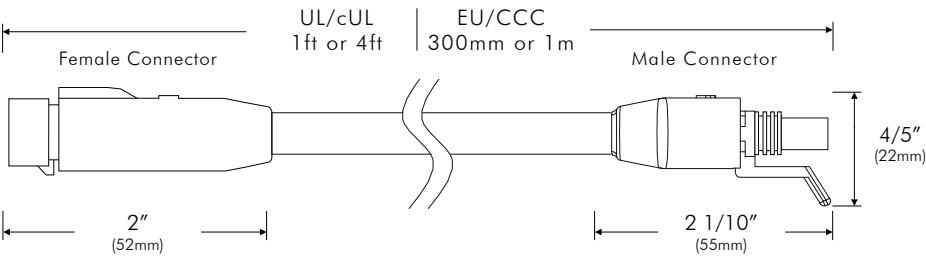
Male

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

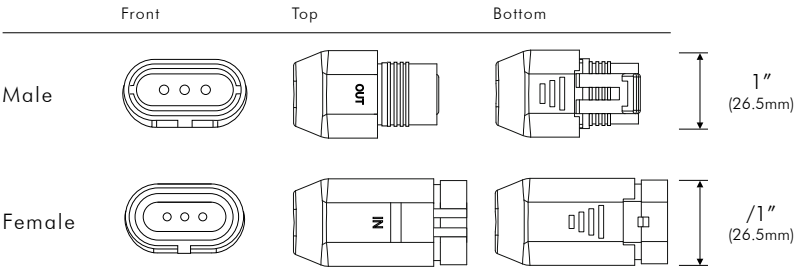
ELV

Moda Graze Exterior 3 Pin Jumper Cables

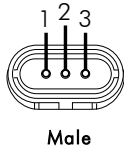
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



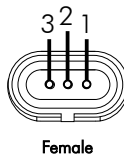
Connectors



Pin Assignment



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



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

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



COMPLETE SKU SAMPLE: MGE-SOP-S1-S-3H-1-6

A - FIXTURE & LOCATION

MGE — Moda Graze Exterior

B - LIGHT OUTPUT

LO — Low Output
SO — Standard Output
SOP — Standard Output Plus
HO — High Output
HOP — High Output Plus

C - SERIES NUMBER

S1 — Series 1

D - PRODUCT FINISH

S — Silver

E - LED COLOR

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

* Available only for LO, SO, 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* — 30° x 60° x 5°
310** — 30° x 100°

* Available only for SOP and HO

** Available only for LO, SO, HOP