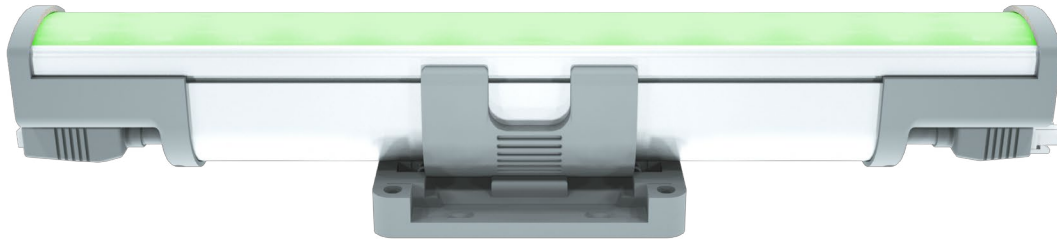


Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____



Specification Grade Premium Interior Graze Fixture.

MODA GRAZE Interior is a new patent pending wall grazing lighting system designed for interior 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 with 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. Rugged aluminum design. 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	OPTIC FLEXIBILITY
7	OPTIC FLEXIBILITY CONTINUED
8	CHROMATICITY
9	ELV WIRING
10	ACCESSORIES: LEADER CABLES
11	ACCESSORIES: JUMPER CABLES
12	ACCESSORIES: SUMMARY
13	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	Dry/Damp Location IP44
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	N/A
Colors	Red, Green, Blue, Amber, Yellow, Pink, Cyan, Violet, Turquoise, Ice Blue, Light Green, Golden Yellow available
Color Bin Tolerance	Single Bin
CRI	N/A
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

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°	•	
30°x60°x5°	•	
30°x100°		•
• Available		

MODA TECHNOLOGY

moda**SOFT**[™]

moda**DIM**[™]

moda**DALI**[™]

moda**COMMUNICATE**[™]

moda**CUE**[™]

moda**OPTIC**[™]

moda**LINEAR OPTIC**[™]

moda**DRIVER**[™]

moda**PHOSPHOR**[™]

moda**THERMAL MANAGEMENT**[™]

moda**BIN**[™]

moda**HIGH CRI**[™]

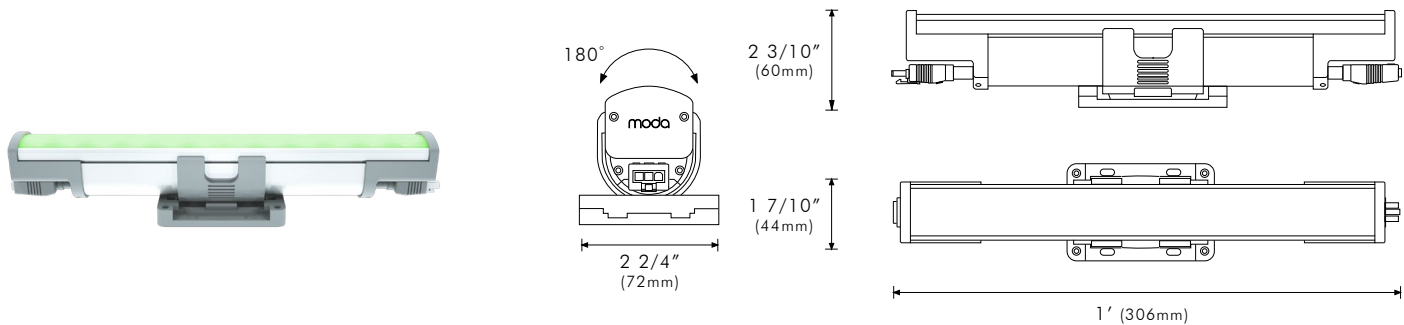
moda**KWIK CONNECT**[™]



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 5 Year Limited Warranty

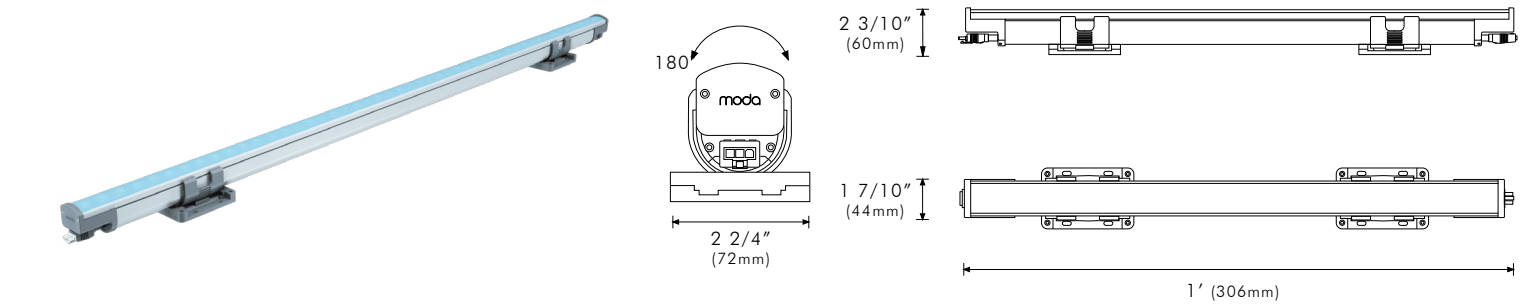


ELV

Output	CCT	6°		10°		25°		40°	
		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
	Green	1098.00	109.80	1086.00	108.60	1072.00	107.20	1062.00	106.20
	Blue	642.00	64.20	630.00	63.00	616.00	61.60	606.00	60.60
	Amber	1038.00	103.80	1026.00	102.60	1012.00	101.20	1002.00	100.20

Output	CCT	10°x40°		30°x60°		30°x60°x5°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	873.00	87.30	870.00	87.00	868.00	86.80
	Green	1053.00	105.30	1050.00	105.00	1048.00	104.80
	Blue	597.00	59.70	594.00	59.40	592.00	59.20
	Amber	993.00	99.30	999.00	99.00	988.00	98.80

Output	CCT	30°x100°		Output	Power Consumption 100-277V AC	Max Run Length	
		Lumens	Efficacy			120V AC	277V AC
HO+	Red	288.00	28.00	HO	10W	60 ft	120 ft
	Green	336.00	33.60				
	Blue	240.00	24.00	HO+	10W	60 ft	120 ft
	Amber	384.00	38.40				
	Cyan	1104.00	110.40				
	Ice Blue	648.00	64.80				
	Light Green	912.00	91.20				
	Yellow	360.00	36.00				
	Golden Yellow	792.00	79.20				
	Turquoise	288.00	28.80				
	Pink	362.00	36.20				
	Violet	312.00	31.20				



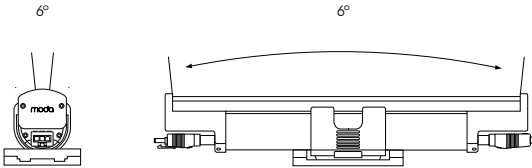
ELV

Output	CCT	6°		10°		25°		40°	
		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
	Green	3942.00	98.55	3950.00	98.75	3930.00	98.25	3906.00	97.65
	Blue	2118.00	52.95	2106.00	52.65	2092.00	52.30	2082.00	52.05
	Amber	3702.00	92.55	3690.00	92.25	3676.00	91.90	3666.00	91.65

Output	CCT	10°x40°		30°x60°		30°x60°x5°	
		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
HO	Red	3177.00	79.42	3174.00	79.35	3172.00	79.30
	Green	3897.00	97.42	3894.00	97.35	3892.00	97.30
	Blue	2073.00	51.82	2070.00	51.75	2068.00	51.70
	Amber	3657.00	91.42	3654.00	91.35	3652.00	91.30

Output	CCT	30°x100°		Output	Power Consumption 100-277V AC	Max Run Length	
		Lumens	Efficacy			120V AC	277V AC
HO+	Red	1150.00	28.75	HO	40W	60 ft	120 ft
	Green	1339.00	33.47				
	Blue	958.00	23.95	HO+	40W	60 ft	120 ft
	Amber	2880.00	72.00				
	Cyan	4420.00	110.50				
	Ice Blue	2587.00	64.67				
	Light Green	3644.00	91.10				
	Yellow	1435.00	35.87				
	Golden Yellow	3164.00	79.10				
	Turquoise	1151.00	28.77				
	Pink	1447.00	36.17				
	Violet	1242.00	31.05				

6° Beam Angle



Polar Candela Distribution
(HO Green)

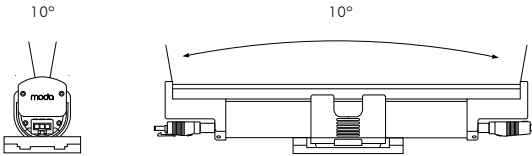


Illuminance at a Distance (HO Green)

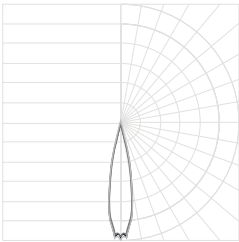
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	50.00 fc	179.50 fc	0.3 ft	0.2 ft
4.0 ft	12.50 fc	44.87 fc	0.7 ft	0.6 ft
6.0 ft	6.25 fc	22.43 fc	1.1 ft	1.0 ft
8.0 ft	3.12 fc	11.21 fc	1.5 ft	1.4 ft
10.0 ft	1.56 fc	5.60 fc	2.0 ft	1.9 ft
12.0 ft	1.25 fc	4.48 fc	2.4 ft	2.3 ft

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

10° Beam Angle



Polar Candela Distribution
(HO Green)

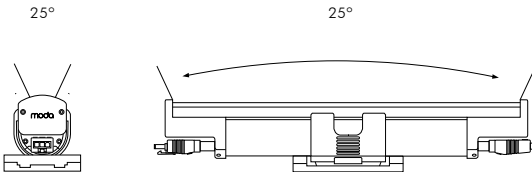


Illuminance at a Distance (HO Green)

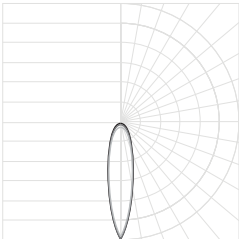
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	47.29 fc	172.03 fc	0.4 ft	0.3 ft
4.0 ft	11.82 fc	43.00 fc	0.8 ft	0.7 ft
6.0 ft	5.91 fc	21.50 fc	1.2 ft	1.1 ft
8.0 ft	2.95 fc	10.75 fc	1.6 ft	1.5 ft
10.0 ft	1.47 fc	5.37 fc	2.1 ft	2.0 ft
12.0 ft	1.18 fc	4.30 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution
(HO Green)

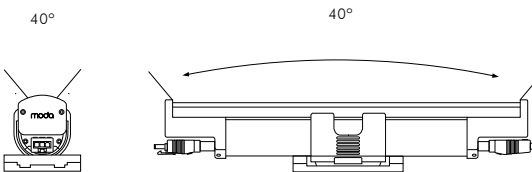


Illuminance at a Distance (HO Green)

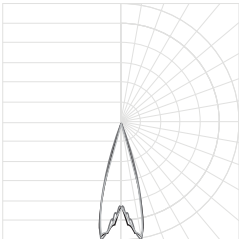
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	28.98 fc	106.27 fc	0.5 ft	0.5 ft
4.0 ft	7.24 fc	26.56 fc	1.0 ft	1.0 ft
6.0 ft	3.62 fc	13.28 fc	1.5 ft	1.6 ft
8.0 ft	1.81 fc	6.64 fc	2.0 ft	2.2 ft
10.0 ft	0.90 fc	3.32 fc	2.5 ft	2.7 ft
12.0 ft	0.72 fc	2.65 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution
(HO Green)

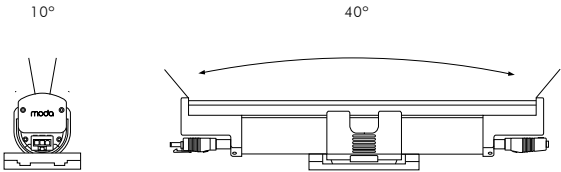


Illuminance at a Distance (HO Green)

	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)

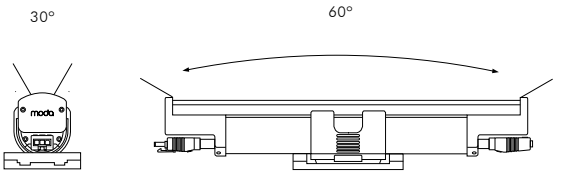


Illuminance at a Distance (HO Green)

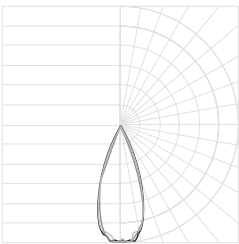
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	33.03 fc	122.23 fc	0.7 ft	0.5 ft
4.0 ft	8.25 fc	30.55 fc	1.5 ft	1.0 ft
6.0 ft	4.12 fc	15.27 fc	2.2 ft	1.4 ft
8.0 ft	2.06 fc	7.63 fc	3.0 ft	1.9 ft
10.0 ft	1.03 fc	3.81 fc	4.6 ft	2.4 ft
12.0 ft	0.82 fc	3.05 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution
(HO Green)

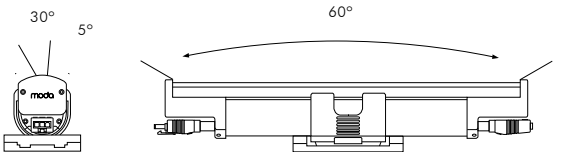


Illuminance at a Distance (HO Green)

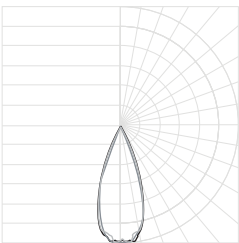
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	84.00 fc	311.52 fc	1.3 ft	2.0 ft
4.0 ft	21.00 fc	77.88 fc	3.1 ft	4.7 ft
6.0 ft	10.50 fc	38.94 fc	4.0 ft	6.6 ft
8.0 ft	5.25 fc	19.47 fc	5.8 ft	9.3 ft
10.0 ft	2.62 fc	9.73 fc	7.0 ft	11.2 ft
12.0 ft	2.10 fc	7.78 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



Polar Candela Distribution
(HO Green)

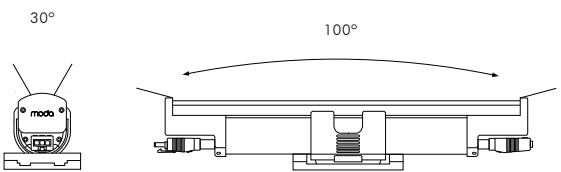


Illuminance at a Distance (HO Green)

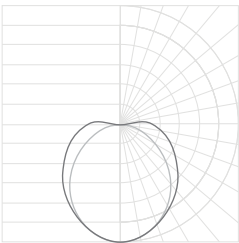
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	12.17 fc	45.22 fc	1.3 ft	0.3 ft
4.0 ft	3.04 fc	11.30 fc	2.6 ft	0.9 ft
6.0 ft	1.52 fc	5.65 fc	3.9 ft	1.3 ft
8.0 ft	0.76 fc	2.82 fc	5.2 ft	1.6 ft
10.0 ft	0.38 fc	1.41 fc	6.5 ft	1.9 ft
12.0 ft	0.30 fc	1.13 fc	7.8 ft	2.6 ft

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

30°x100° Beam Angle



Polar Candela Distribution
(HO+ Cyan)

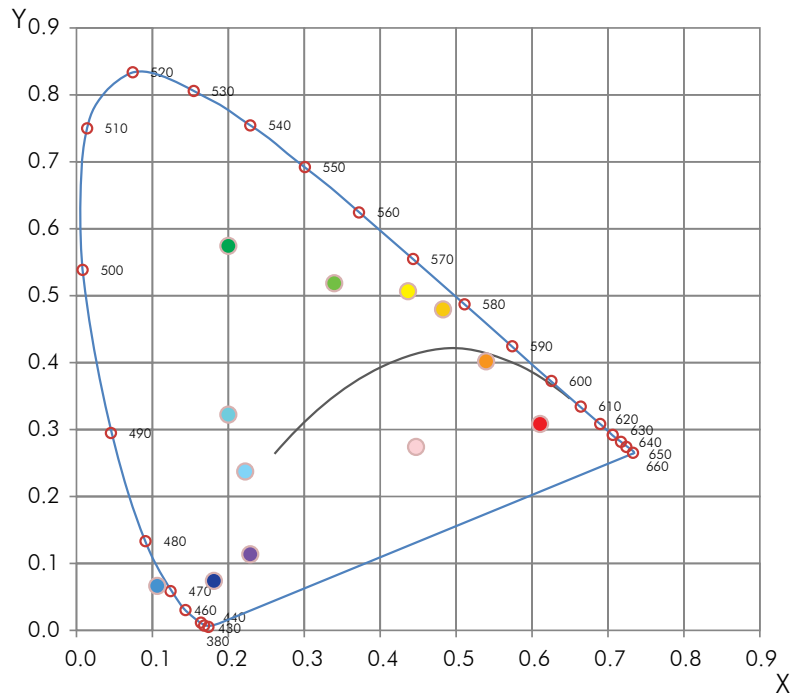


Illuminance at a Distance (HO+ Cyan)

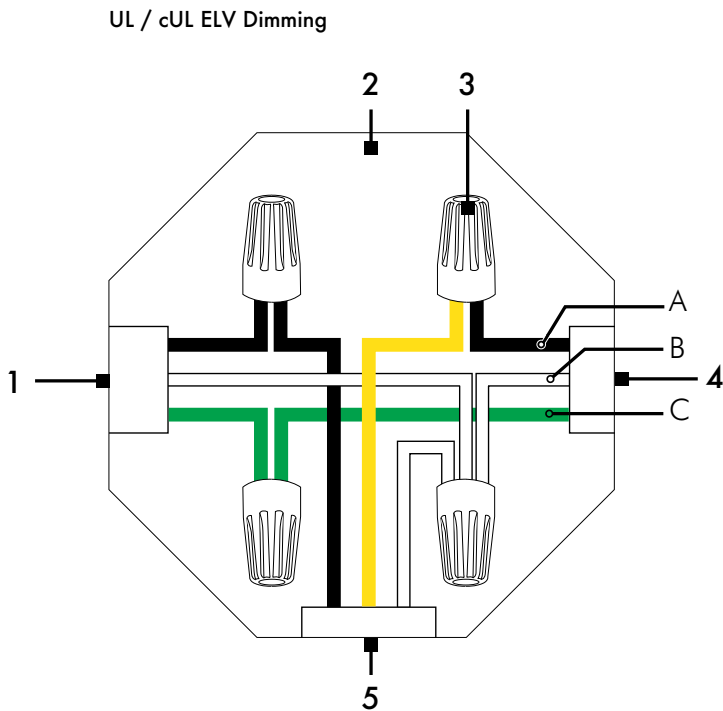
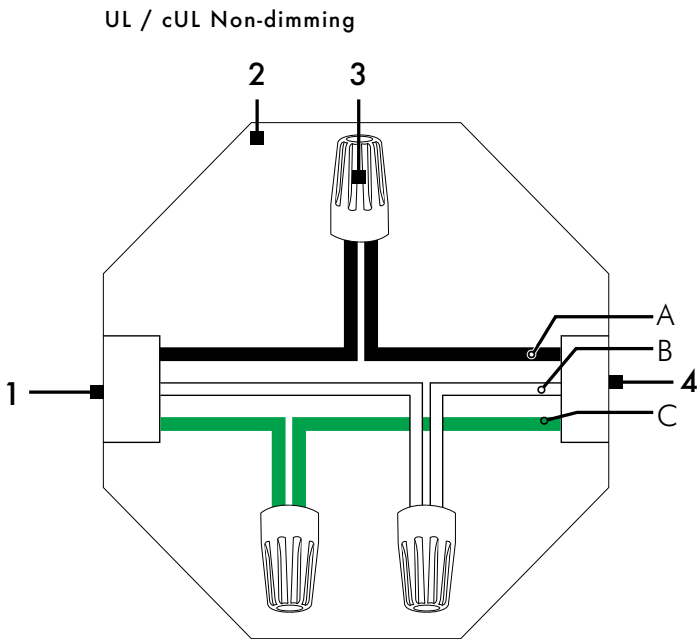
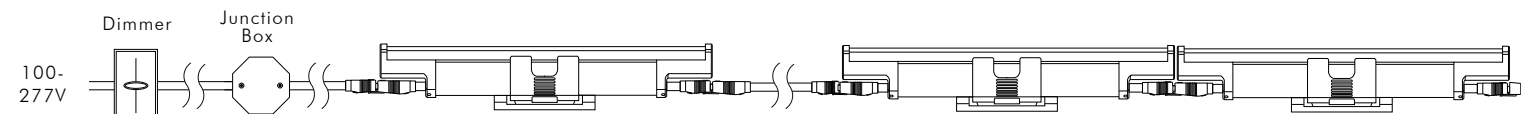
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	102.22 fc	409.25 fc	1.3 ft	2.0 ft
4.0 ft	25.55 fc	102.31 fc	3.1 ft	4.2 ft
6.0 ft	12.77 fc	51.15 fc	4.0 ft	6.6 ft
8.0 ft	6.38 fc	25.57 fc	5.8 ft	9.3 ft
10.0 ft	3.19 fc	12.78 fc	7.0 ft	11.2 ft
12.0 ft	2.55 fc	10.23 fc	9.0 ft	14.0 ft

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

CIE 1931 Chromaticity Diagram



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



Wiring Legend

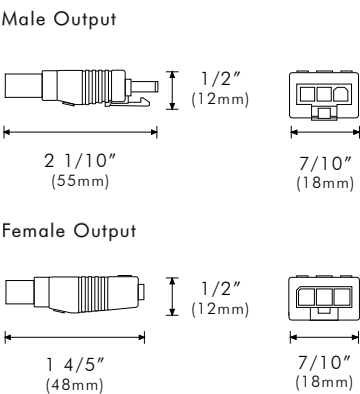
1	Power 100-277V
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

3 Pin Leader Cable

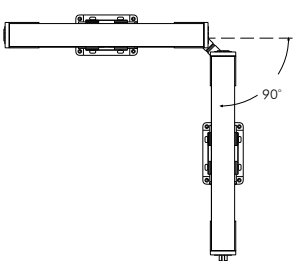
	UL/cUL	CE/CCC*
A Live 100-277V	Black	Brown
B Neutral	White	Blue
C Ground	Green/ Yellow	Yellow/ Green

*not illustrated

ELV Connectors



Angle Adjustment



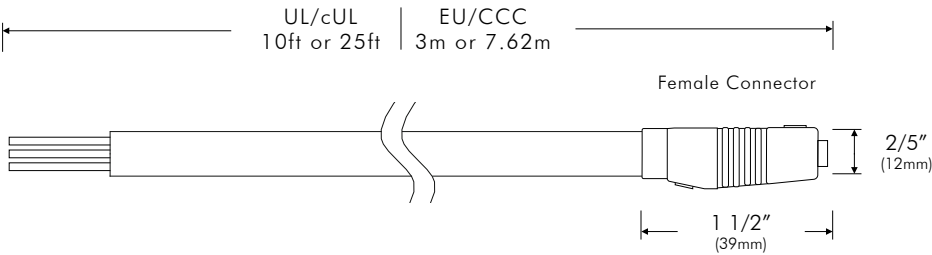
Compatible Dimmers

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

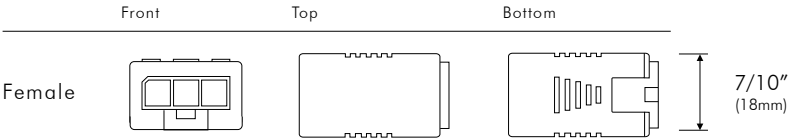
ELV

Moda Graze Interior 3 Pin Leader Cables

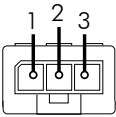
	UL/cUL	EU/CCC
Lengths	10ft and 25ft	3m and 7.62m
Color	Gray	Gray



Connectors



Pin Assignment

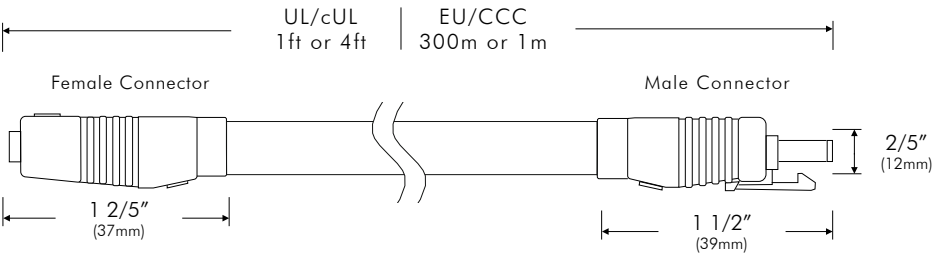


	UL/cUL	EU/CCC
1 Live 100-277V	Black	Brown
2 Ground	Green	Yellow/Green
3 Neutral	White	Blue

ELV

Moda Graze Interior 3 Pin Jumper Cables

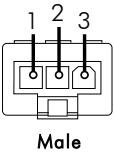
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Gray	Gray



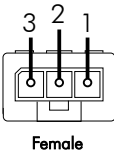
Connectors

	Front	Top	Bottom	
Male				7/10" (18mm)
Female				7/10" (18mm)

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 10ft	MLCI-US-3PIN-G-10FT	Power to first fixture of run
Leader Cable US 3 Pin 25ft	MLCI-US-3PIN-G-25FT	Power to first fixture of run
Jumper Cable US 3 Pin 1ft	MJCI-US-3PIN-G-1FT	Connection between fixtures
Jumper Cable US 3 Pin 4ft	MJCI-US-3PIN-G-4FT	Connection between fixtures
Leader Cable EU 3 Pin 3m	MLCI-EU-3PIN-G-3M	Power to first fixture of run
Leader Cable EU 3 Pin 7.62m	MLCI-EU-3PIN-G-7.62M	Power to first fixture of run
Jumper Cable EU 3 Pin 300mm	MJCI-EU-3PIN-G-300MM	Connection between fixtures
Jumper Cable EU 3 Pin 1m	MJCI-EU-3PIN-G-1M	Connection between fixtures
Terminator 3 Pin	MTI-3PIN-G	Must be fixed to last fixture for safety
Interior Bracket Lock	MCGI-BL-G	Holds fixture in place for vertical installations



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

A - FIXTURE & LOCATION

MGI	—	Moda Graze Interior
-----	---	---------------------

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 for 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 HOP