

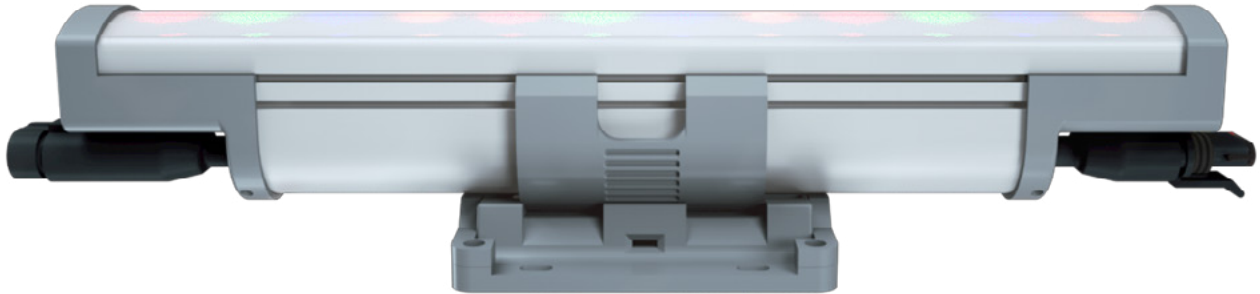
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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

\_\_\_\_\_



### Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a new patent pending wall grazing lighting system designed for exterior applications. Utilizing MODA's latest DMX software, our onboard Microprocessor is uniquely programmed in-house with a firmware to receive DMX 512 signals for full independent control of every 1ft section. Mix colors, including amber, to create amazing displays and color scenes using MODA controls. Wall wash any applications with a choice of 6°, 10°, 25°, 40°, 10°x40°, 30°x60°, or 30°x60°x5° beam patterns for HO. 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. 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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## PHYSICAL

<b>Dimensions</b>	L: 1ft 1 1/2 25/32in(349.69mm) W: 2 13/16in(71.8mm) L: 4ft 1/2in (1.23m) H: 2 7/8in(73.42mm)
<b>Applications</b>	Graze, Accent & Indirect General Illumination
<b>Construction</b>	Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens
<b>Ingress Protection</b>	Wet Location IP66
<b>Thermal Management</b>	MODA Aluminum Heat Sink
<b>Beam Angle</b>	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, forward throw asymmetric, or 30°x100° optic options
<b>Fixture Connections</b>	Integral Male & Female Connectors
<b>Operating Temperature</b>	-40°F ~ 122°F (-40°C ~ 50°C)
<b>Storage Temperature</b>	-40°F ~ 176°F (-40°C ~ 80°C)
<b>Humidity</b>	0-95% Non Condensing

## OUTPUT

<b>CCT &amp; SDCM</b>	N/A
<b>Color Bin Tolerance</b>	Zero Bin
<b>CRI</b>	Variable for RGBA
<b>Lumen Maintenance</b>	90,000 Hours L70 @ 25°C 70,000 Hours L70 @ 50°C
<b>Testing Data</b>	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

<b>Input Voltage</b>	100-277V AC 50Hz/60Hz
<b>Control</b>	DMX 512
<b>Power Factor</b>	≥ 0.96

## MODA TECHNOLOGY

moda**SOFTWARE**<sup>™</sup>

moda**HARDWARE**<sup>™</sup>

moda**DMX**<sup>™</sup>

moda**DRIVER**<sup>™</sup>

moda**ZERO BIN**<sup>™</sup>

moda**OPTIC**<sup>™</sup>

moda**LINEAR OPTIC**<sup>™</sup>

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

moda**GUARD**<sup>™</sup>

moda**SEAL**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

moda**COMMUNICATE**<sup>™</sup>

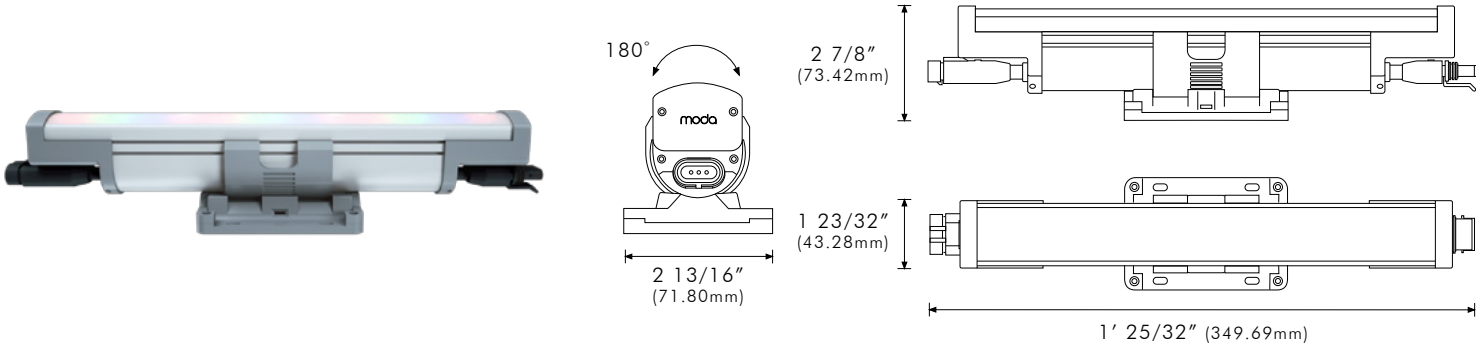
moda**KWIK CONNECT**<sup>™</sup>



**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

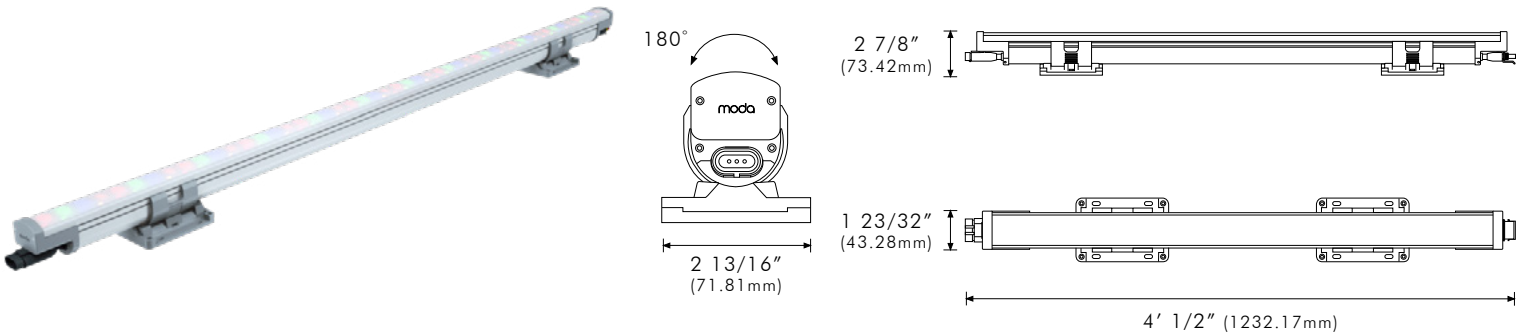
**Warranty** 3 Year Limited Warranty



DMX

Optic	Lumens	Efficacy
6°	981	98.10
10°	969	96.90
25°	955	95.50
40°	945	94.50
10° x 40°	936	93.60
30° x 60°	933	93.30
30° x 60° x 5°	931	93.10

Power Consumption		Max Run Lengths	
120-277V AC	10W	120-277V AC	80ft

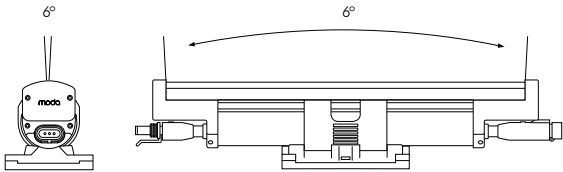


DMX

Optic	Lumens	Efficacy
6°	3474	86.85
10°	3462	86.55
25°	3448	86.20
40°	3438	85.95
10° x 40°	3429	85.72
30° x 60°	3426	85.65
30° x 60° x 5°	3424	85.60

Power Consumption	Max Run Lengths
120-277V AC 40W	120-277V AC 80ft

6° Beam Angle



Polar Candela Distribution

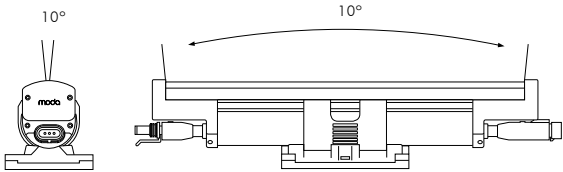


Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	51.74 fc	183.22 fc	0.3 ft	0.2 ft
4.0 ft	12.93 fc	45.80 fc	0.7 ft	0.6 ft
6.0 ft	6.46 fc	22.90 fc	1.1 ft	1.0 ft
8.0 ft	3.23 fc	11.45 fc	1.5 ft	1.4 ft
10.0 ft	1.61 fc	5.72 fc	2.0 ft	1.9 ft
12.0 ft	1.29 fc	4.58 fc	2.4 ft	2.3 ft

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

10° Beam Angle



Polar Candela Distribution

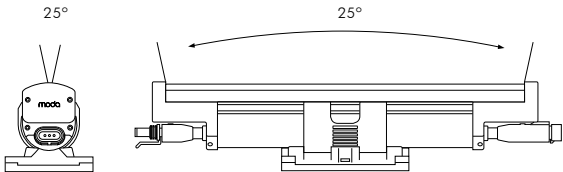


Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	42.20 fc	150.78 fc	0.4 ft	0.3 ft
4.0 ft	10.55 fc	37.69 fc	0.8 ft	0.7 ft
6.0 ft	5.27 fc	18.84 fc	1.2 ft	1.1 ft
8.0 ft	2.63 fc	9.42 fc	1.6 ft	1.5 ft
10.0 ft	1.31 fc	4.71 fc	2.1 ft	2.0 ft
12.0 ft	1.05 fc	3.76 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution

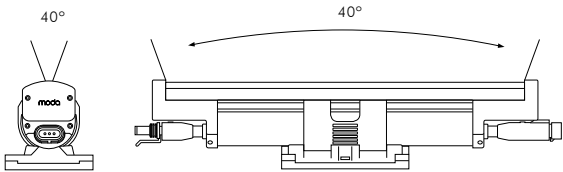


Illuminance at a Distance

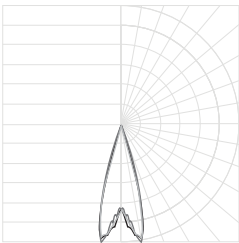
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	25.82 fc	93.23 fc	0.5 ft	0.5 ft
4.0 ft	6.45 fc	23.30 fc	1.0 ft	1.0 ft
6.0 ft	3.22 fc	11.65 fc	1.5 ft	1.6 ft
8.0 ft	1.61 fc	5.82 fc	2.0 ft	2.2 ft
10.0 ft	0.80 fc	2.91 fc	2.5 ft	2.7 ft
12.0 ft	0.64 fc	2.33 fc	3.0 ft	3.2 ft

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

40° Beam Angle



Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	11.76 fc	42.81 fc	1.0 ft	0.8 ft
4.0 ft	2.94 fc	10.70 fc	1.9 ft	1.5 ft
6.0 ft	1.47 fc	5.35 fc	2.8 ft	2.4 ft
8.0 ft	0.73 fc	2.67 fc	3.8 ft	3.2 ft
10.0 ft	0.36 fc	1.33 fc	4.8 ft	4.0 ft
12.0 ft	0.29 fc	1.07 fc	5.7 ft	4.7 ft

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

10°X40° Beam Angle



Polar Candela Distribution



Illuminance at a Distance

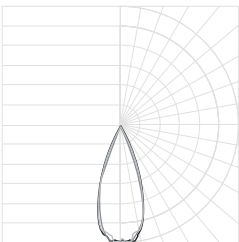
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	29.36 fc	107.55 fc	0.7 ft	0.5 ft
4.0 ft	7.34 fc	26.88 fc	1.5 ft	1.0 ft
6.0 ft	3.67 fc	13.44 fc	2.2 ft	1.4 ft
8.0 ft	1.83 fc	6.72 fc	3.0 ft	1.9 ft
10.0 ft	0.91 fc	3.36 fc	4.6 ft	2.4 ft
12.0 ft	0.73 fc	2.68 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution



Illuminance at a Distance

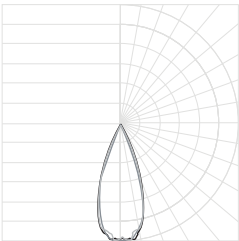
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	73.52 fc	269.08 fc	1.3 ft	2.0 ft
4.0 ft	18.88 fc	68.02 fc	3.1 ft	4.7 ft
6.0 ft	9.33 fc	33.36 fc	4.0 ft	6.6 ft
8.0 ft	4.58 fc	16.73 fc	5.8 ft	9.3 ft
10.0 ft	2.38 fc	8.58 fc	7.0 ft	11.2 ft
12.0 ft	1.88 fc	6.86 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



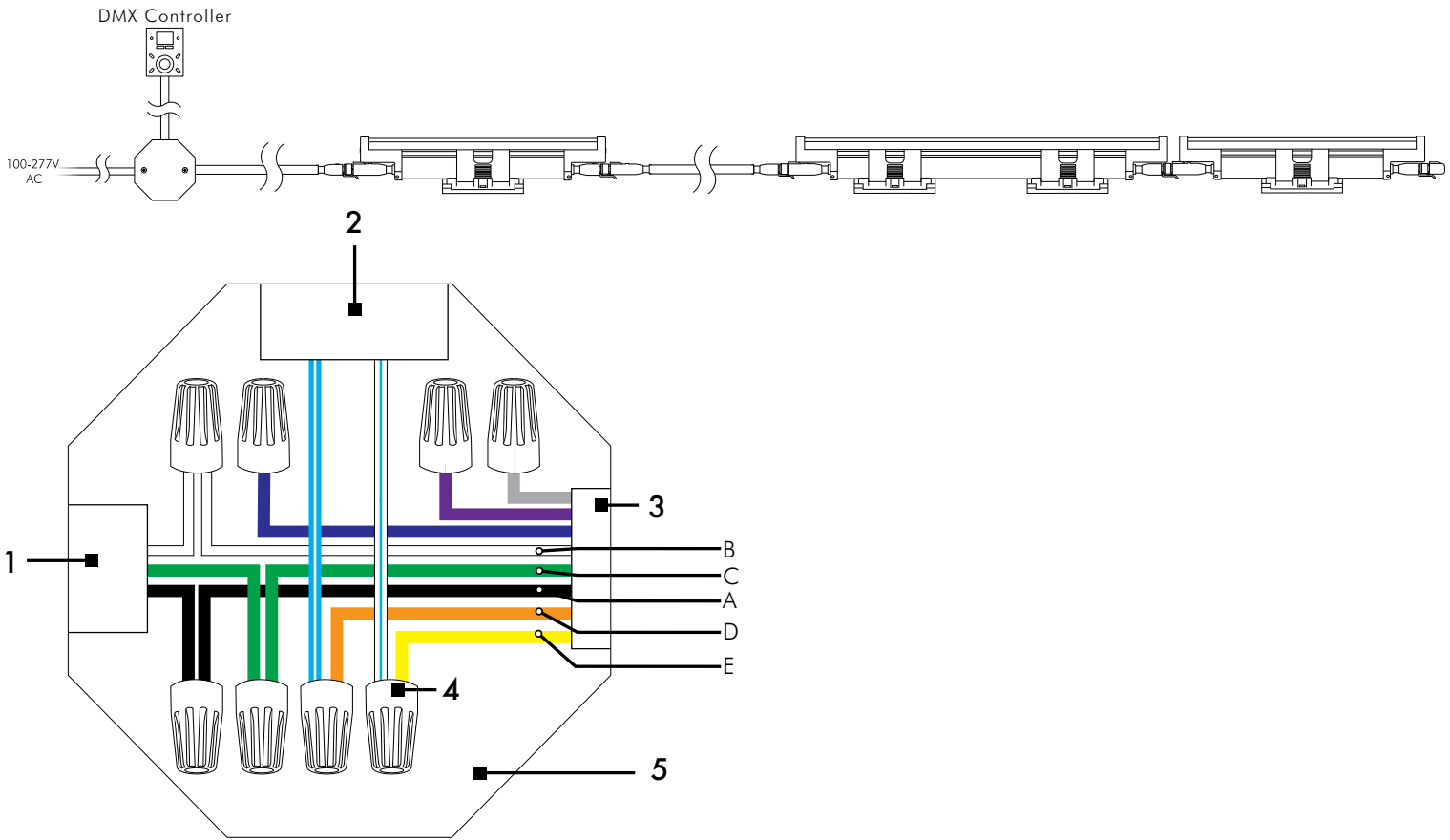
Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	10.89 fc	39.98 fc	1.3 ft	0.3 ft
4.0 ft	2.68 fc	9.92 fc	2.6 ft	0.9 ft
6.0 ft	1.33 fc	4.98 fc	3.9 ft	1.3 ft
8.0 ft	0.68 fc	2.48 fc	5.2 ft	1.6 ft
10.0 ft	0.33 fc	1.24 fc	6.5 ft	1.9 ft
12.0 ft	0.28 fc	0.99 fc	7.8 ft	2.6 ft

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



Wiring Legend

1	Power 100-277V AC
2	DMX Controller
3	8 Pin Leader Cable
4	Junction Box
5	Wiring Nuts

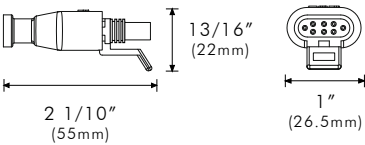
8 Pin Leader Cable

	UL/cUL	CE/CCC*
A 100-277V AC	Black	Brown
B Neutral	White	Blue
C Ground	Green	Green/ Yellow
D Data Positive	Orange	Orange
E Data Negative	Yellow	Yellow

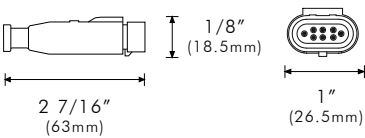
\*Not illustrated

DMX Connectors

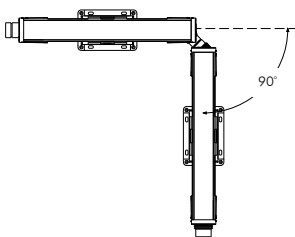
Female



Male



Angle Adjustment

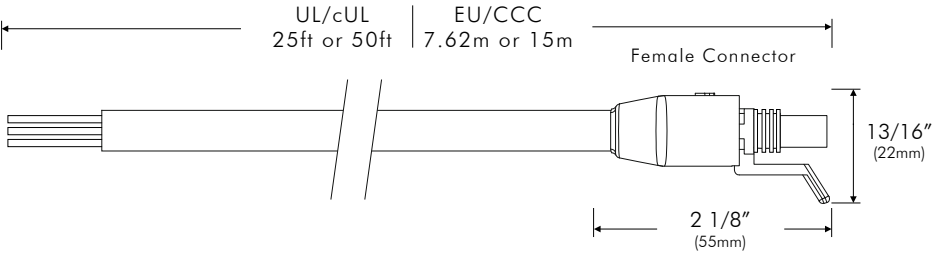




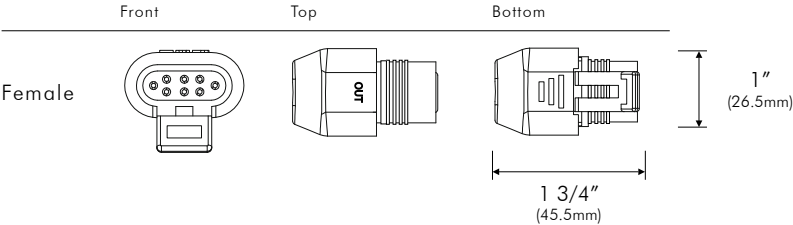
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

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



Connectors



Pin Assignment

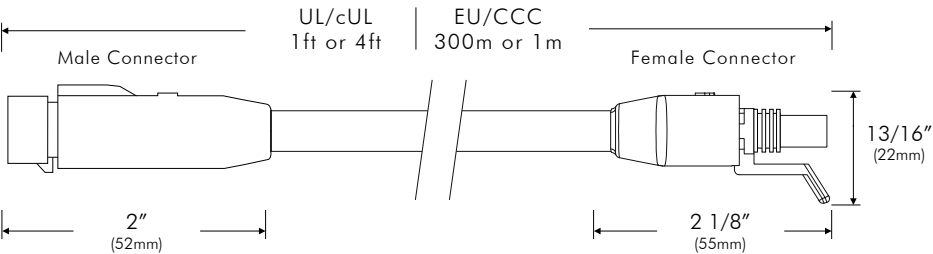


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/ Yellow
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

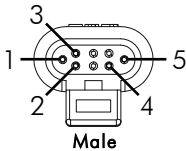
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



Connectors



Pin Assignment



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



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

MGE - HO - S1 - RGBA - -



COMPLETE SKU SAMPLE: MGE-HO-S1-RGBA-4-25

**A - FIXTURE & LOCATION**

MGE	—	Moda Graze Exterior
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**B - LIGHT OUTPUT**

HO	—	High Output
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**C - SERIES NUMBER**

S1	—	Series 1
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**D - LED COLOR**

RGBA	—	Red, Green, Blue and Amber
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**E - LENGTH**

1	—	1 FT
4	—	4 FT

**F - 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

ACCESSORIES	DESCRIPTION	SKU
Leader Cable US 8 Pin 25ft	Power to first fixture of run	MLCE-US-8PIN-B-25FT
Leader Cable US 8 Pin 50ft	Power to first fixture of run	MLCE-US-8PIN-B-50FT
Jumper Cable US 8 Pin 1ft	Connection between fixtures	MJCE-US-8PIN-B-1FT
Jumper Cable US 8 Pin 4ft	Connection between fixtures	MJCE-US-8PIN-B-4FT
Leader Cable EU 8 Pin 7.62m	Power to first fixture of run	MLCE-EU-8PIN-B-7.62M
Leader Cable EU 8 Pin 15m	Power to first fixture of run	MLCE-EU-8PIN-B-15M
Jumper Cable EU 8 Pin 300mm	Connection between fixtures	MJCE-EU-8PIN-B-300MM
Jumper Cable EU 8 Pin 1m	Connection between fixtures	MJCE-EU-8PIN-B-1M
Terminator 8 Pin	Must be fixed to last fixture for safety	MTE-8PIN-B
Exterior Bracket Lock	Holds fixture in place for vertical installations	MCGE-BL-G

CONTROLS	DESCRIPTION	ORDERING NUMBER	PART NUMBER
Kandi Touch	DMX 512 Controller	KND-TCH-B	250-0040
	Available in black and white	KND-TCH-W	250-0041

CONTROL ACCESSORIES	DESCRIPTION	ORDERING NUMBER	PART NUMBER
Belden Shielded Cable 500ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-500FT	250-0251
Belden Shielded Cable 1000ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-1000FT	250-0252