

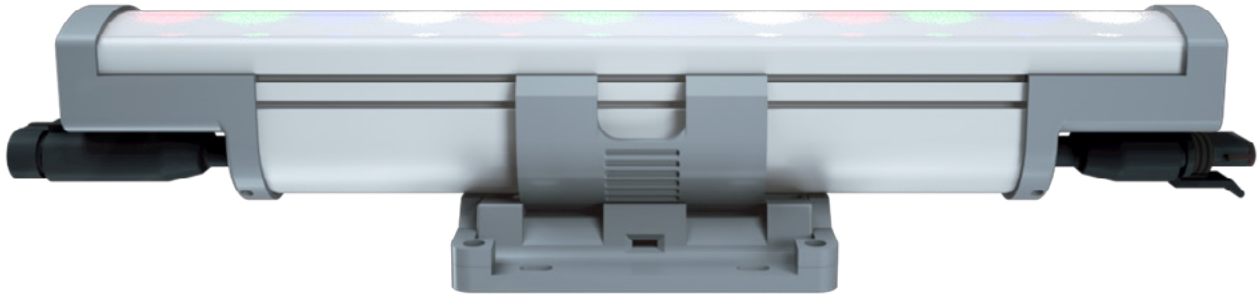
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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 to create amazing displays and color scenes using MODA controls. Switch to a high CRI, high R1-R15 white light for quality general illumination. 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 (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>	RGB - N/A 27K, 3K, 35K, & 4K - 2 Step MacAdam Ellipse
<b>Color Bin Tolerance</b>	Zero Bin
<b>CRI</b>	97 (27K, 3K, 35K, & 4K)
<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>

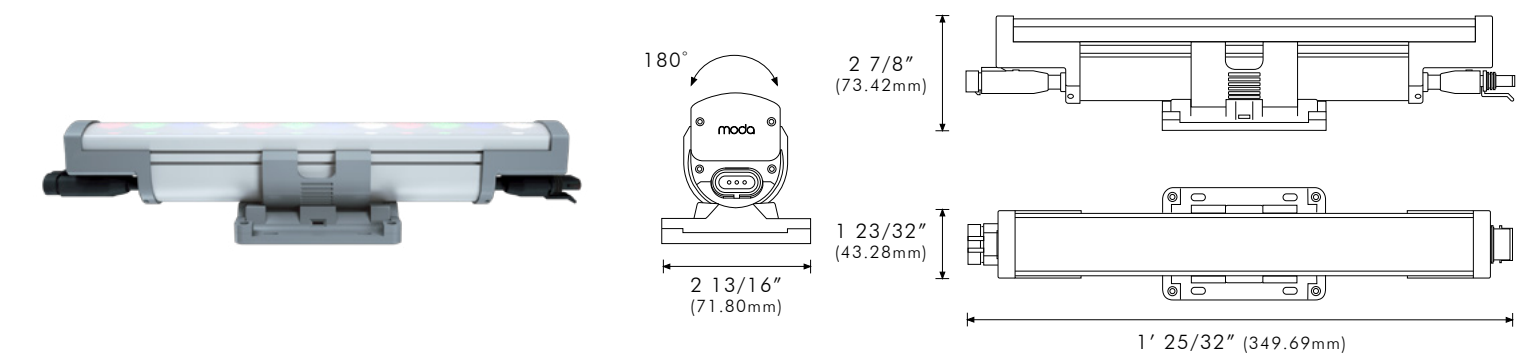
moda**KWIK CONNECT**<sup>™</sup>



**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

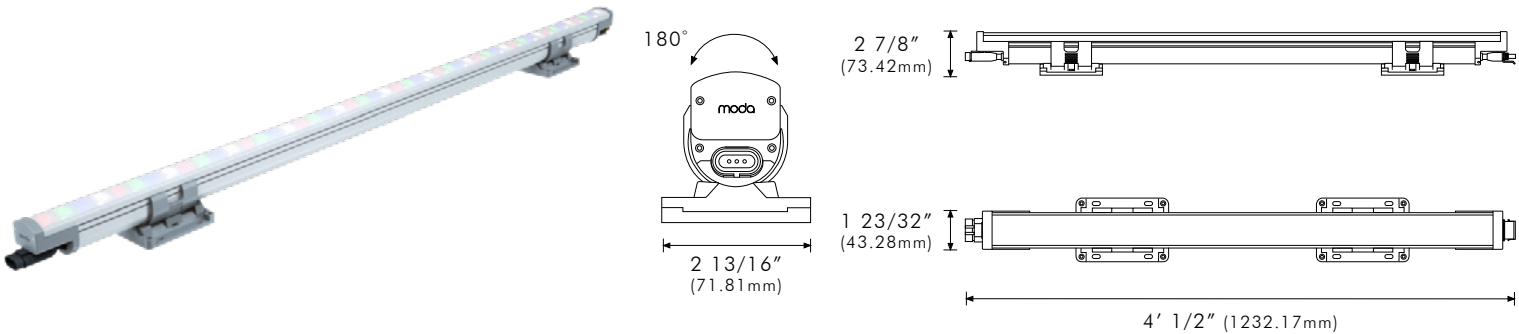
CCT	6°		10°		25°	
	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
RGB27K	1017	101.70	1005	100.50	991	99.10
RGB3K	1047	104.70	1035	103.50	1021	102.10
RGB35K	1059	105.90	1047	104.70	1033	103.30
RGB4K	1071	107.10	1059	105.90	1045	104.50

CCT	40°		10°x40°		30°x60°	
	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
RGB27K	981	98.10	972	97.20	969	96.90
RGB3K	1011	101.10	1002	100.20	999	99.90
RGB35K	1023	102.30	1014	101.40	1011	101.10
RGB4K	1035	103.50	1026	102.60	1023	102.30

CCT	30°x60°x5°	
	Lumens	Efficacy
RGB27K	967	96.70
RGB3K	997	99.70
RGB35K	1009	100.90
RGB4K	1021	102.10

Power Consumption  
120-277V AC 10W

Max Run Lengths  
120-277V AC 80ft



DMX

CCT	6°		10°		25°	
	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
RGB27K	3618	90.45	3756	93.90	3880	97.00
RGB3K	3738	93.45	3726	93.15	3712	92.80
RGB35K	3786	94.65	3774	94.35	3760	94.00
RGB4K	3834	95.85	3822	95.55	3808	95.20

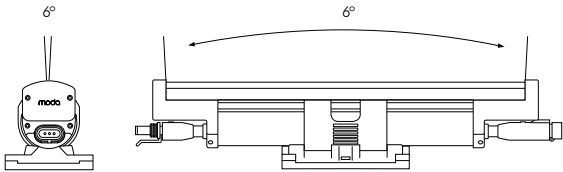
CCT	40°		10°x40°		30°x60°	
	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
RGB27K	3994	99.85	3573	89.32	3570	89.25
RGB3K	3702	92.55	3693	92.32	3690	92.25
RGB35K	3750	93.75	3741	93.52	3738	93.45
RGB4K	3798	94.95	3789	94.72	3786	94.65

CCT	30°x60°x5°	
	Lumens	Efficacy
RGB27K	3568	89.20
RGB3K	3688	92.20
RGB35K	3736	93.40
RGB4K	3784	94.60

Power Consumption  
120-277V AC 40W

Max Run Lengths  
120-277V AC 80ft

6° Beam Angle



Polar Candela Distribution

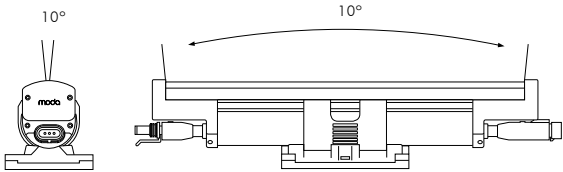


Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	56.48 fc	202.21 fc	0.3 ft	0.2 ft
4.0 ft	14.12 fc	50.55 fc	0.7 ft	0.6 ft
6.0 ft	7.06 fc	25.27 fc	1.1 ft	1.0 ft
8.0 ft	3.53 fc	12.63 fc	1.5 ft	1.4 ft
10.0 ft	1.76 fc	6.31 fc	2.0 ft	1.9 ft
12.0 ft	1.41 fc	5.05 fc	2.4 ft	2.3 ft

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

10° Beam Angle



Polar Candela Distribution

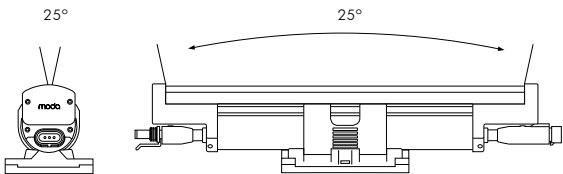


Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	48.32 fc	168.43 fc	0.4 ft	0.3 ft
4.0 ft	10.58 fc	36.86 fc	0.8 ft	0.7 ft
6.0 ft	5.78 fc	20.80 fc	1.2 ft	1.1 ft
8.0 ft	2.88 fc	10.20 fc	1.6 ft	1.5 ft
10.0 ft	1.29 fc	5.80 fc	2.1 ft	2.0 ft
12.0 ft	1.03 fc	3.68 fc	2.5 ft	2.4 ft

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

25° Beam Angle



Polar Candela Distribution

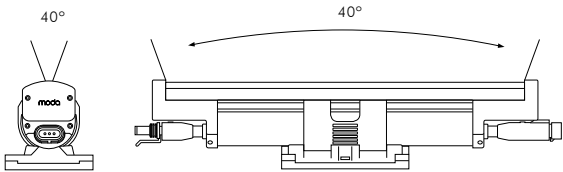


Illuminance at a Distance

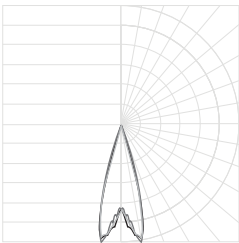
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	28.25 fc	102.97 fc	0.5 ft	0.5 ft
4.0 ft	7.06 fc	25.74 fc	1.0 ft	1.0 ft
6.0 ft	3.53 fc	12.87 fc	1.5 ft	1.6 ft
8.0 ft	1.76 fc	6.43 fc	2.0 ft	2.2 ft
10.0 ft	0.88 fc	3.21 fc	2.5 ft	2.7 ft
12.0 ft	0.70 fc	2.57 fc	3.0 ft	3.2 ft

■ 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	12.89 fc	47.86 fc	1.0 ft	0.8 ft
4.0 ft	3.88 fc	10.88 fc	1.9 ft	1.5 ft
6.0 ft	1.44 fc	5.93 fc	2.8 ft	2.4 ft
8.0 ft	0.80 fc	2.95 fc	3.8 ft	3.2 ft
10.0 ft	0.36 fc	1.39 fc	4.8 ft	4.0 ft
12.0 ft	0.28 fc	1.08 fc	5.7 ft	4.7 ft

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

10°X40° Beam Angle



Polar Candela Distribution



Illuminance at a Distance

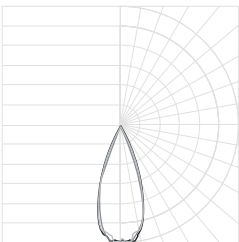
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	28.76 fc	105.71 fc	0.7 ft	0.5 ft
4.0 ft	7.19 fc	26.29 fc	1.5 ft	1.0 ft
6.0 ft	3.59 fc	13.14 fc	2.2 ft	1.4 ft
8.0 ft	1.79 fc	6.57 fc	3.0 ft	1.9 ft
10.0 ft	0.89 fc	3.28 fc	4.6 ft	2.4 ft
12.0 ft	0.71 fc	2.62 fc	4.4 ft	3.0 ft

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

30°x60° Beam Angle



Polar Candela Distribution



Illuminance at a Distance

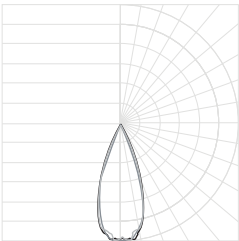
	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	73.12 fc	268.00 fc	1.3 ft	2.0 ft
4.0 ft	18.28 fc	67.00 fc	3.1 ft	4.7 ft
6.0 ft	9.14 fc	33.50 fc	4.0 ft	6.6 ft
8.0 ft	4.57 fc	16.75 fc	5.8 ft	9.3 ft
10.0 ft	2.28 fc	8.37 fc	7.0 ft	11.2 ft
12.0 ft	1.82 fc	6.70 fc	9.0 ft	14.0 ft

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

30°x60°x5° Beam Angle



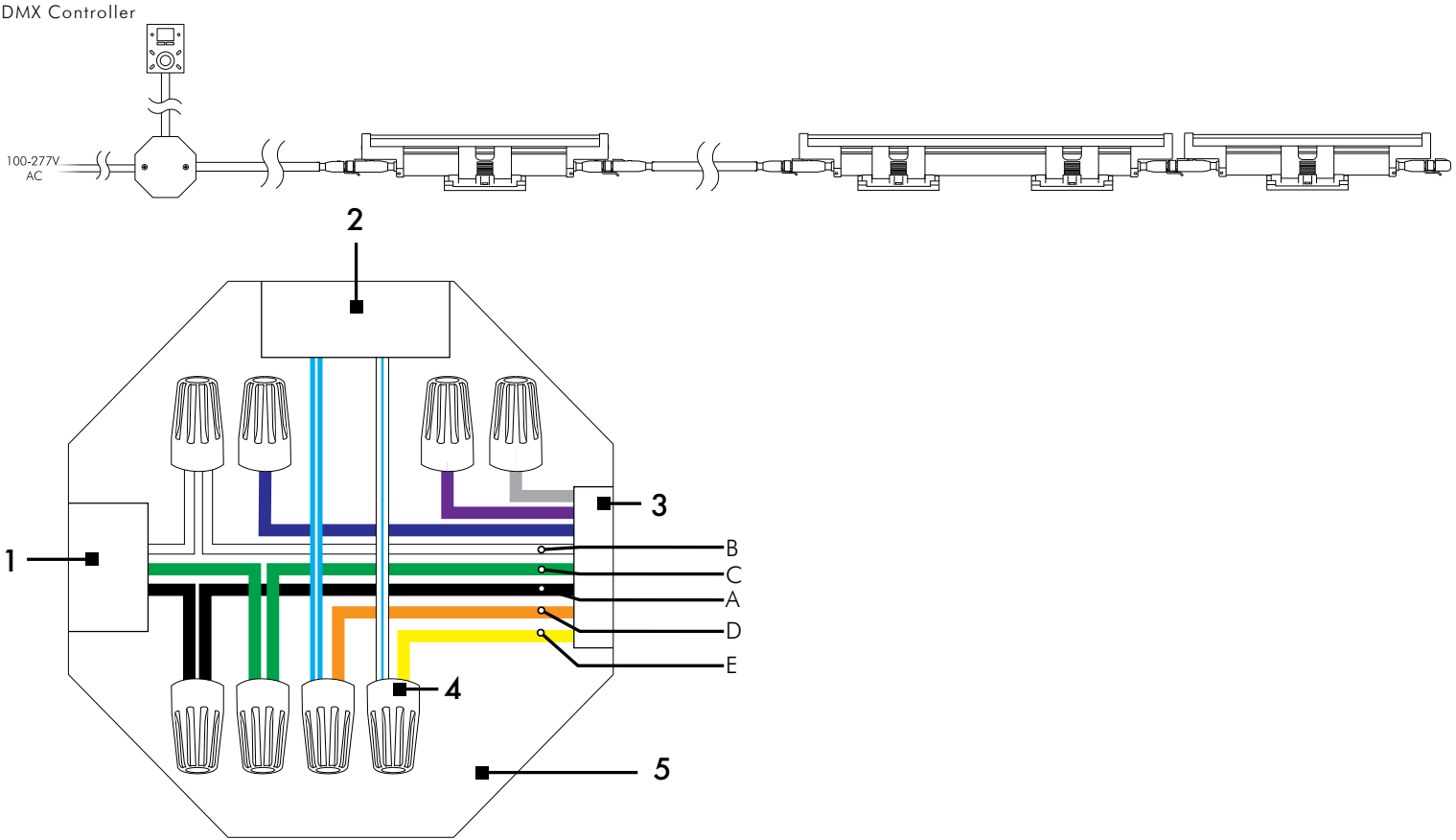
Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	10.59 fc	38.90 fc	1.3 ft	0.3 ft
4.0 ft	2.64 fc	9.72 fc	2.6 ft	0.9 ft
6.0 ft	1.32 fc	4.86 fc	3.9 ft	1.3 ft
8.0 ft	0.66 fc	2.43 fc	5.2 ft	1.6 ft
10.0 ft	0.33 fc	1.21 fc	6.5 ft	1.9 ft
12.0 ft	0.26 fc	0.97 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

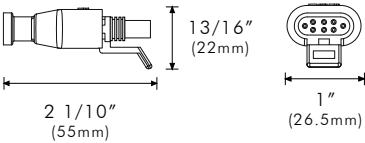
8 Pin Leader Cable

	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

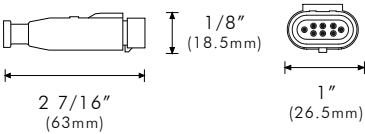
\*Not illustrated

DMX Connectors

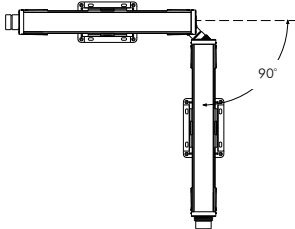
Female



Male



Angle Adjustment

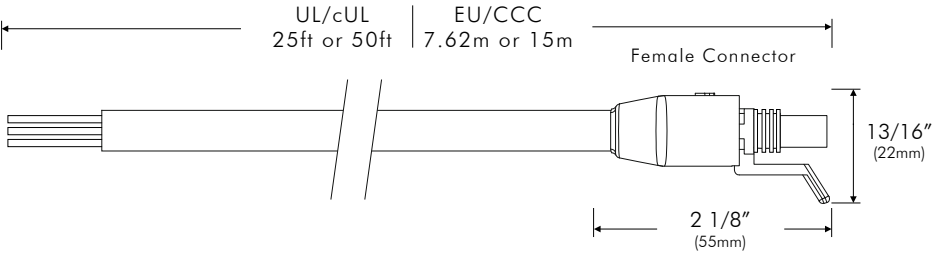




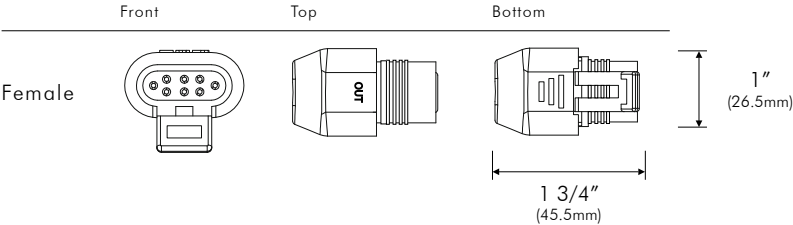
DMX LEADER CABLES

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

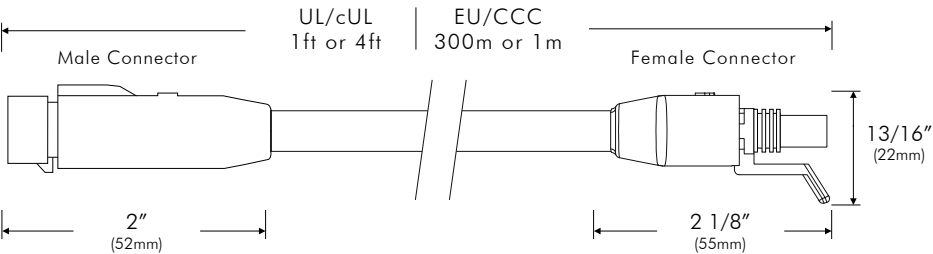


		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/ Yellow
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

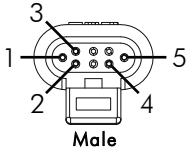
	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black



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



COMPLETE SKU SAMPLE: MGE-HO-RGB3-1-365

**A - FIXTURE & LOCATION**

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

HO	—	High Output
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**C - LED COLOR**

RGB27	—	Red, Green, Blue, 2700K
RGB3	—	Red, Green, Blue, 3000K
RGB35	—	Red, Green, Blue, 3500K
RGB4	—	Red, Green, Blue, 4000K

**D - LENGTH**

1	—	1FT
4	—	4FT

**E - 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°

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