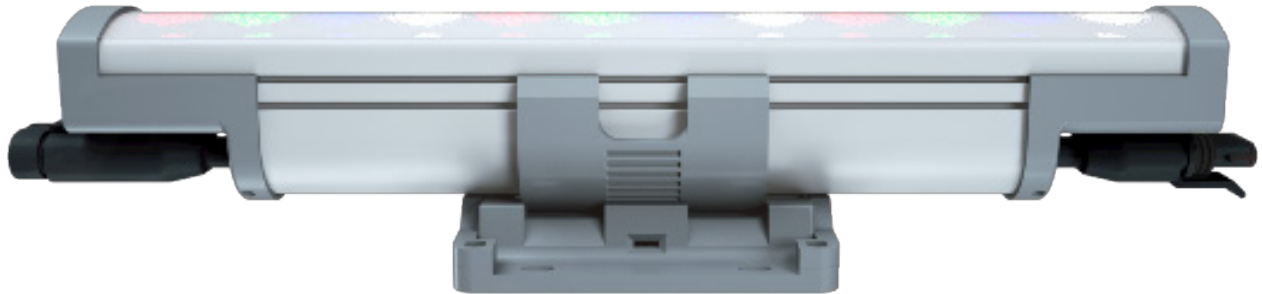# modaLIGHT®
PRODUCT GUIDE

Client: _____   Project Name: _____

MODA Contact: _____   E-Mail: _____

Type: _____   PO#: _____   Quantity: _____

Notes: _____
_____

Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a 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 DMX512 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.

modaLIGHT®
PRODUCT GUIDE

PAGE

moda**LIGHT**®
PRODUCT GUIDE

PHYSICAL

Dimensions	L: 12 1/2in (318mm)	W: 2 13/16in (71mm)
	L: 47 3/8in (1204mm)	H: 2 9/16in (65mm)
Weight	12in: 1.3lbs (0.6kg)	
	48in: 4.9lbs (2.22kg)	
Applications	Graze, Accent, & Indirect General Illumination	
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Polycarbonate Optical Lens	
Ingress Protection	Wet Location IP66	
Thermal Management	Moda Aluminum Heat Sink	
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	

SPECIFICATIONS

	Lumens		Efficacy	
	1FT	4FT	1FT	4FT
HO	967-1071	3618-3784	96.70-107.10	89.20-95.85

POWER CONSUMPTION

	120V - 277V AC	
	1FT	4FT
HO	10W	40W

OUTPUT

CCT	2700K, 3000K, 3500K, 4000K
Beam Angle	6°, 10°, 25°, 40°, 10°x40°, 30°x60°, Forward Throw Asymmetric, or 30°x100° optic options
CRI	97 (2700K, 3000K, 3500K, 4000K)
SDCM	2-Step MacAdam Ellipse
Color Bin Tolerance	Single Bin
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	DMX512
Power Factor	≥ 0.96

MAX CONTINUOUS RUN

	120V AC	277V AC
HO	80ft	80ft

MODA TECHNOLOGY

moda**SOFTWARE**™

moda**HARDWARE**™

moda**DMX**™

moda**DRIVER**™

moda**ZERO BIN**™

moda**OPTIC**™

moda**LINEAR OPTIC**™

moda**THERMAL MANAGEMENT**™
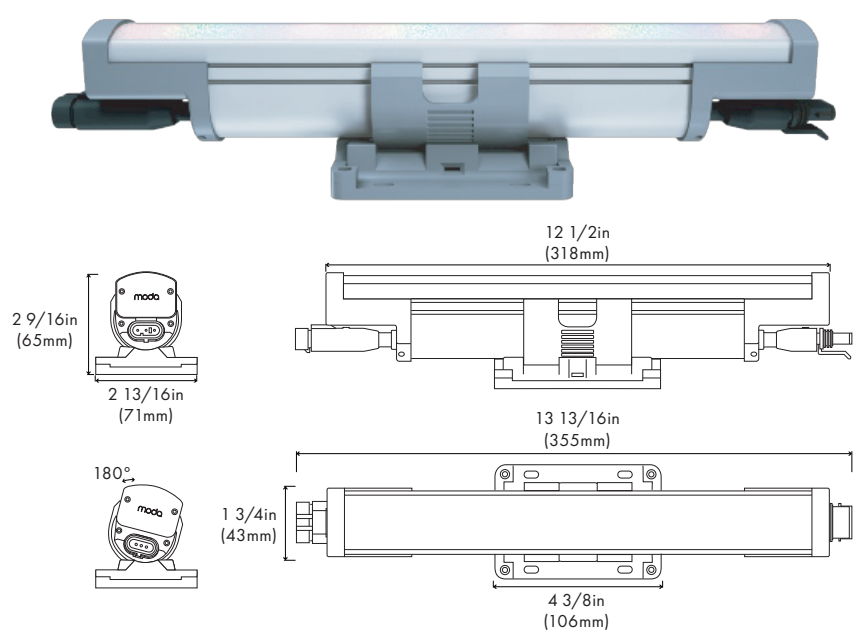
moda**GUARD**™

moda**SEAL**™

moda**AIRFLOW**™

moda**COMMUNICATE**™

moda**KWIK CONNECT**™

STANDARDS & CERTIFICATIONS

|	
Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, CCC, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	3 Year Limited Warranty

12 1/2in
(318mm)

2 9/16in
(65mm)

2 13/16in
(71mm)

13 13/16in
(355mm)

180°

1 3/4in
(43mm)

4 3/8in
(106mm)

DMX

1 FOOT

CCT	6° Lumens	6° Efficacy	10° Lumens	10° Efficacy	25° Lumens	25° Efficacy	40° Lumens	40° Efficacy
RGB2700K	1017	101.70	1005	100.50	991	99.10	981	98.10
RGB3000K	1047	104.70	1035	103.50	1021	102.10	1011	101.10
RGB3500K	1059	105.90	1047	104.70	1033	103.30	1023	102.30
RGB4000K	1071	107.10	1059	105.90	1045	104.50	1035	103.50

1 FOOT

CCT	10°x40° Lumens	10°x40° Efficacy	30°x60° Lumens	30°x60° Efficacy	30°x60°x5° Lumens	30°x60°x5° Efficacy
RGB2700K	972	97.20	969	96.90	967	96.70
RGB3000K	1002	100.20	999	99.90	997	99.70
RGB3500K	1014	101.40	1011	101.10	1009	100.90
RGB4000K	1026	102.60	1023	102.30	1021	102.10

Power Consumption

120-277V AC   10W

Max Run Lengths

120-277V AC   80ft
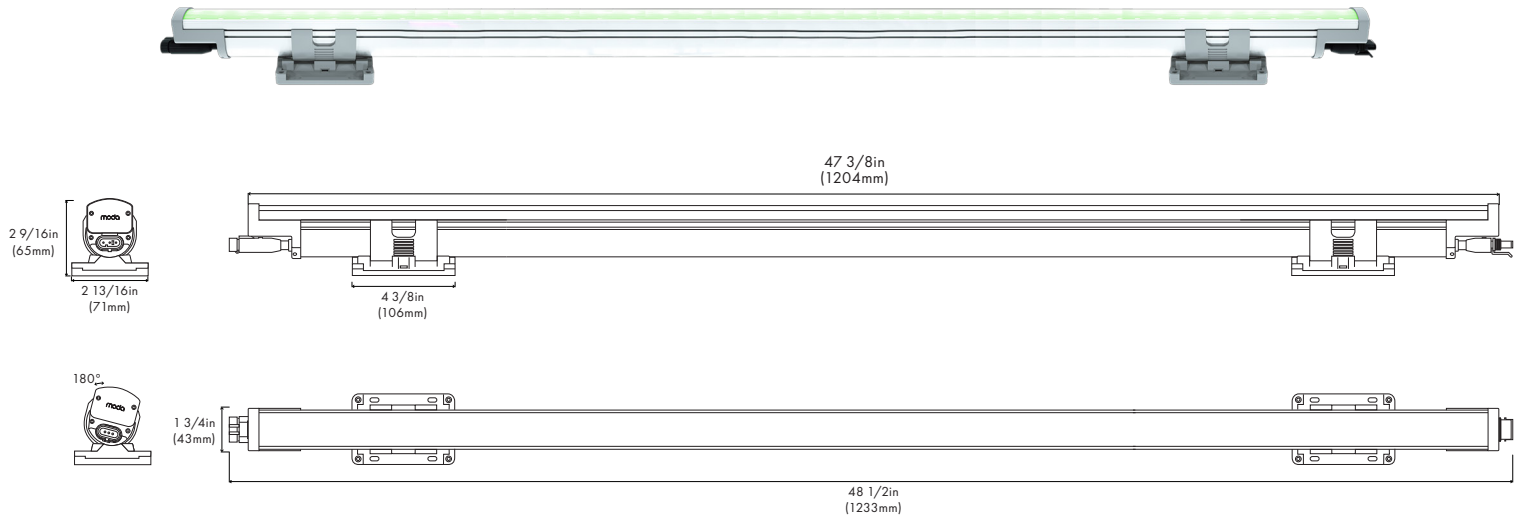
DMX

4 FOOT

	6°		10°		25°		40°	
CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
RGB2700K	3618	90.45	3756	93.90	3880	97.00	3994	99.85
RGB3000K	3738	93.45	3726	93.15	3712	92.80	3702	92.55
RGB3500K	3786	94.65	3774	94.35	3760	94.00	3750	93.75
RGB4000K	3834	95.85	3822	95.55	3808	95.20	3798	94.95

4 FOOT

	10°x40°		30°x60°		30°x60°x5°	
CCT	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
RGB2700K	3573	89.32	3570	89.25	3568	89.20
RGB3000K	3693	92.32	3690	92.25	3688	89.20
RGB3500K	3741	93.52	3738	93.45	3736	93.40
RGB4000K	3789	94.72	3786	94.65	3784	94.60

Power Consumption

120-277V AC 40W

Max Run Lengths

120-277V AC 80ft

6° Beam Angle
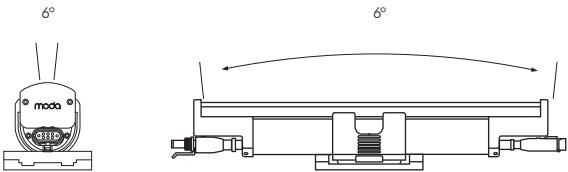
6°

6°

Polar Candela Distribution
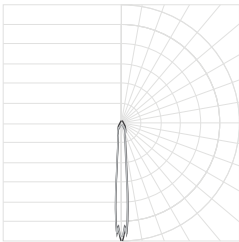
Illuminance at a Distance

	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
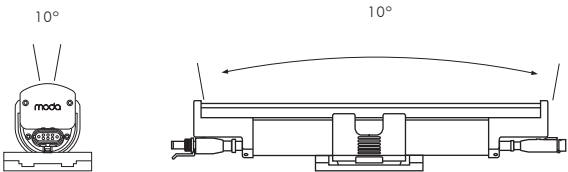
10°

10°

Polar Candela Distribution
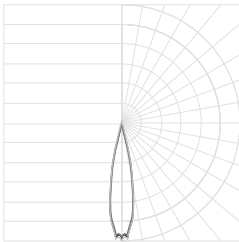
Illuminance at a Distance

	Center Beam FC		Beam Width	
	1 Foot	4 Foot		
2.0 ft	45.32 fc	163.43 fc	0.4 ft	0.3 ft
4.0 ft	10.53 fc	35.85 fc	0.8 ft	0.7 ft
6.0 ft	5.76 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	5.20 fc	2.1 ft	2.0 ft
12.0 ft	1.05 fc	3.88 fc	2.5 ft	2.4 ft

◢ Vert. Spread: 10°   ◢ Horiz. Spread: 10°

25° Beam Angle
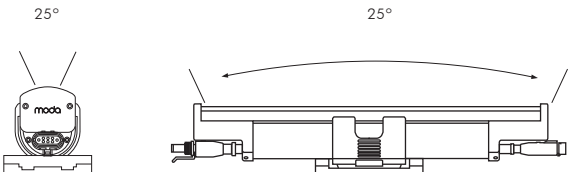
25°

25°

Polar Candela Distribution
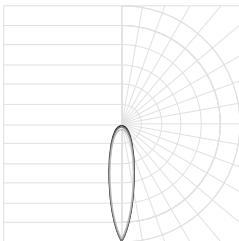
Illuminance at a Distance

	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
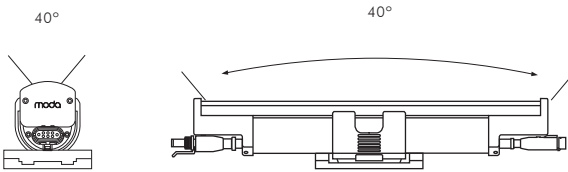
40°

40°

Polar Candela Distribution
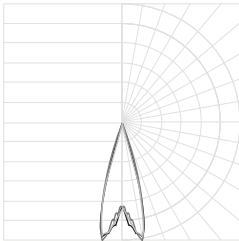
Illuminance at a Distance

	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	2.88 fc	10.88 fc	1.9 ft	1.5 ft
6.0 ft	1.64 fc	5.23 fc	2.8 ft	2.4 ft
8.0 ft	0.72 fc	2.95 fc	3.8 ft	3.2 ft
10.0 ft	0.36 fc	1.30 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°
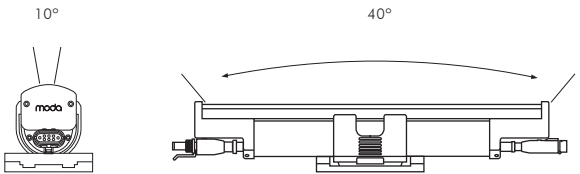
Due to continuous improvements and innovations, specifications may change without notice. Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.

10°x40° Beam Angle

10°   40°

Polar Candela Distribution
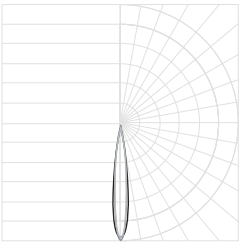
Illuminance at a Distance

	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
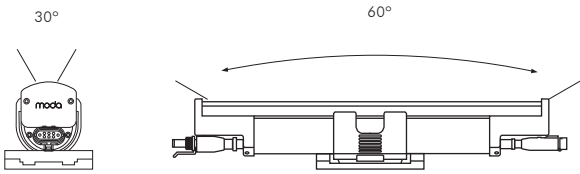
30°   60°

Polar Candela Distribution
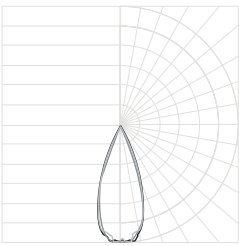
Illuminance at a Distance

	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
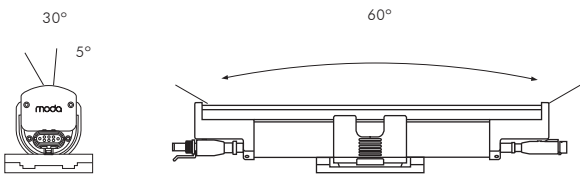
30°   5°   60°

Polar Candela Distribution
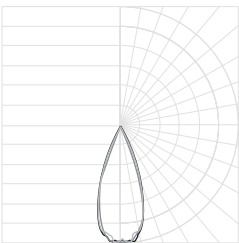
Illuminance at a Distance

	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°

WHEN SPLITTING THE LEADER CABLE INTO SEPARATE RUNS OF AC POWER
AND DC POWER/DMX COMMUNICATIONS, BOTH RUNS SHOULD BE
SUITABLY PROTECTED PER LOCAL CODE TO PREVENT SYSTEM DAMAGE
FOR BOTH INTERIOR AND EXTERIOR INSTALLATIONS.

100-277V
AC

MODA
J-BOX - POWER

DMX

DMX
CONTROL

DMX

DMX

DMX
SPLITTER/
REPEATER

MODA
PLASTIC
J-BOX - DMX

Terminator must be installed at
end of chain for DMX installation

* **MODA PLASTIC J-BOXES** HIGHLY RECOMMENDED FOR INSTALLATION TO ALLEVIATE/PREVENT
ARCING/GROUNDING/NOISE/EARTH GROUNDING OF DMX COMMUNICATIONS.
MAXIMUM NUMBER OF FEET PER SINGLE RUN LIMITED TO 80FT COMBINATION OF FIXTURE/JUMPER SIZING.

Wiring Legend

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

Shielded RS-485

	DMX Positive
	DMX Negative
	DMX Shield

DMX Connectors

Female

1/8in
(19mm)

2 1/10in
(55mm)

1in
(27mm)

Male

13/16in
(22mm)

2 7/16in
(63mm)

1in
(27mm)

Angle Adjustment

90°

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/DC+	Orange	Orange
E	Data Negative/DC-	Yellow	Yellow
F	DMX Shield	Blue	Blue
G	Not Used	Purple	Purple
H	Not Used	Gray	Gray

*Not illustrated

moda**LIGHT**®
PRODUCT GUIDE
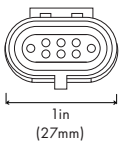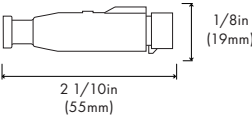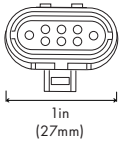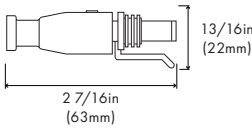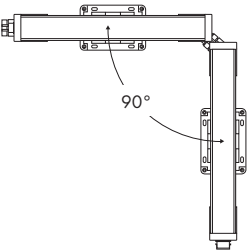
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

	UL/cUL	EU/CCC
Lengths	25ft and 50ft	10m and 15m
Color	Black	Black
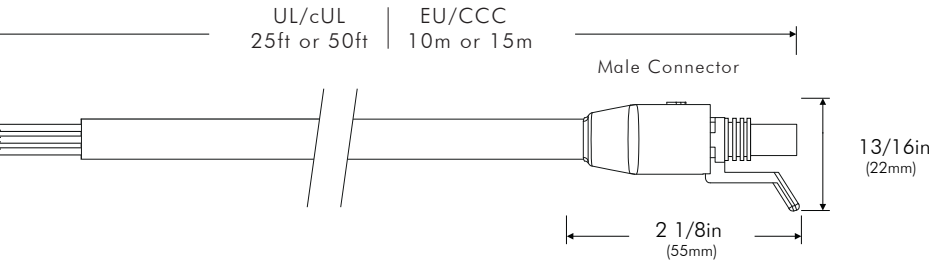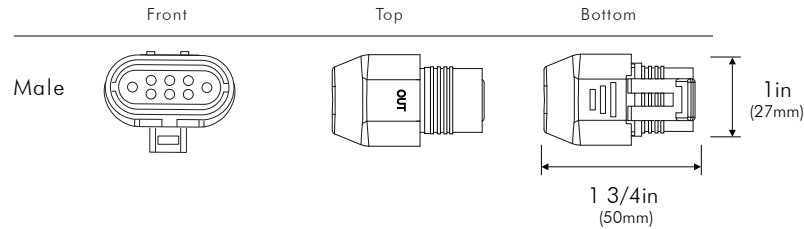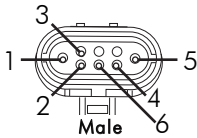
UL/cUL 25ft or 50ft | EU/CCC 10m or 15m

Male Connector

13/16in (22mm)

2 1/8in (55mm)

Connectors

	Front	Top	Bottom
Male		OUT	

1in (27mm)

1 3/4in (50mm)

Pin Assignment

Male

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

DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

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

Female Connector

UL/cUL 1ft or 4ft | EU/CCC 300m or 1m

Male Connector

13/16in (22mm)

2in (52mm)

2 1/8in (55mm)

Pin Assignment

Male

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

Connectors

	Front	Top	Bottom
Male		OUT	
Female		IN	

1in (27mm)

1in (27mm)

Female

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

MGE - HO - ⎵ - ⎵ - ⎵

A　B　C　D　E

COMPLETE SKU SAMPLE: MGI-HO-RGB3-1-365
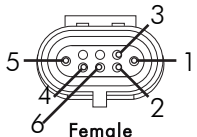
A - FIXTURE & LOCATION

MGE	—	Moda Graze Exterior

B - LIGHT OUTPUT

HO	—	High Output

C - SERIES NUMBER

S1	—	Series 1

D - LED COLOR

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

E - LENGTH

1	—	1FT
4	—	4FT

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	ORDERING 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 10M	Power to first fixture of run	MLCE-EU-8PIN-B-10M
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 installation	MCGE-BL-G

CONTROLS	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi Touch	DMX512 Wall Mounted Touch Panel Controller with Color Display	KND-TCH-B (Black) KND-TCH-W (White)	250-0040 250-0041
MODA Touch*	DMX512 Wall Mounted Touch Panel Controller	MTCH-S1-B (Black) MTCH-S1-W (White)	MTCH-S1-B MTCH-S1-W

* - MODA Touch default scene addressing can be found on MODA Touch Product Documentation and DMX Fixture Installation Guides.

CONTROL ACCESSORIES	DESCRIPTION	PART NUMBER	ORDERING SKU
Pathway DMX Splitter/Repeater	Wall-mount, 4 ports, E1.20 RDM Compliant, Small - 10in X 13in X 4 1/2in	PWREP WM P4 TERM RDM SML DMX-RDM	250-0153
Pathway DMX Splitter/Repeater	Wall-mount, 8 ports, E1.20 RDM Compliant, Medium - 10in X 23in X 4 1/2in	PWREP WM P8 TERM RDM MED DMX-RDM	250-0154
Pathway DMX Splitter/Repeater	Wall-mount, 12 ports, E1.20 RDM Compliant, Medium - 10in X 23in X 4 1/2in	PWREP WM P12 TERM RDM MED DMX-RDM	250-0155
Shielded Cable 500FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-500FT	250-0251
Shielded Cable 1000FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-1000FT	250-0252