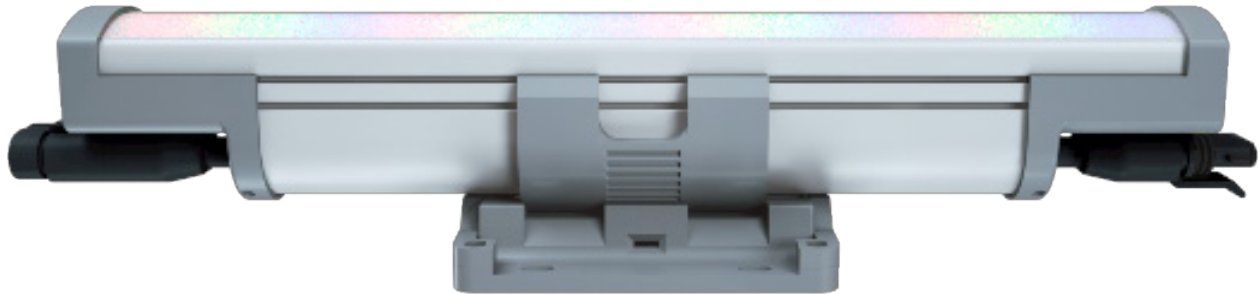


Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____



Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a patent pending grazer 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. 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 AC, 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.

PAGE

| | |
|----|-----------------------------|
| 3 | FEATURES |
| 4 | 1 FOOT |
| 5 | 4 FOOT |
| 6 | OPTIC FLEXIBILITY |
| 7 | OPTIC FLEXIBILITY CONTINUED |
| 8 | DMX WIRING |
| 9 | ACCESSORIES: CABLES |
| 10 | FIXTURES & ACCESSORIES |

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

| OPTIC | Lumens | | Efficacy | |
|------------|--------|------|----------|-------|
| | 1FT | 4FT | 1FT | 4FT |
| 6° | 962 | 3398 | 96.20 | 84.95 |
| 10° | 950 | 3386 | 95.00 | 84.65 |
| 25° | 936 | 3372 | 93.60 | 84.30 |
| 40° | 926 | 3362 | 92.60 | 84.05 |
| 10°x40° | 917 | 3353 | 91.70 | 83.82 |
| 30°x60° | 914 | 3350 | 91.40 | 83.75 |
| 30°x60°x5° | 912 | 3348 | 91.20 | 83.70 |

POWER CONSUMPTION

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

OUTPUT

| | |
|---------------------|--|
| CCT | N/A |
| Beam Angle | 6°, 10°, 25°, 40°, 10°x40°, 30°x60°, Forward Throw Asymmetric, or 30°x100° optic options |
| CRI | Variable for RGB |
| Color Bin Tolerance | Zero 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

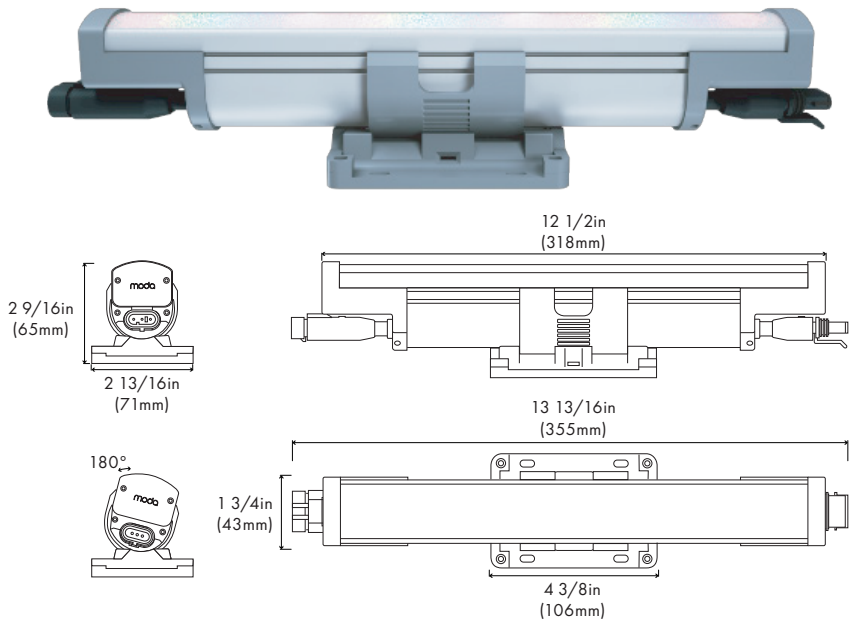
| | 120V AC | 277V AC |
|----|---------|---------|
| HO | 80ft | 80ft |

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

| | |
|---|---|
| <div><div></div></div> | |
| 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 |



DMX

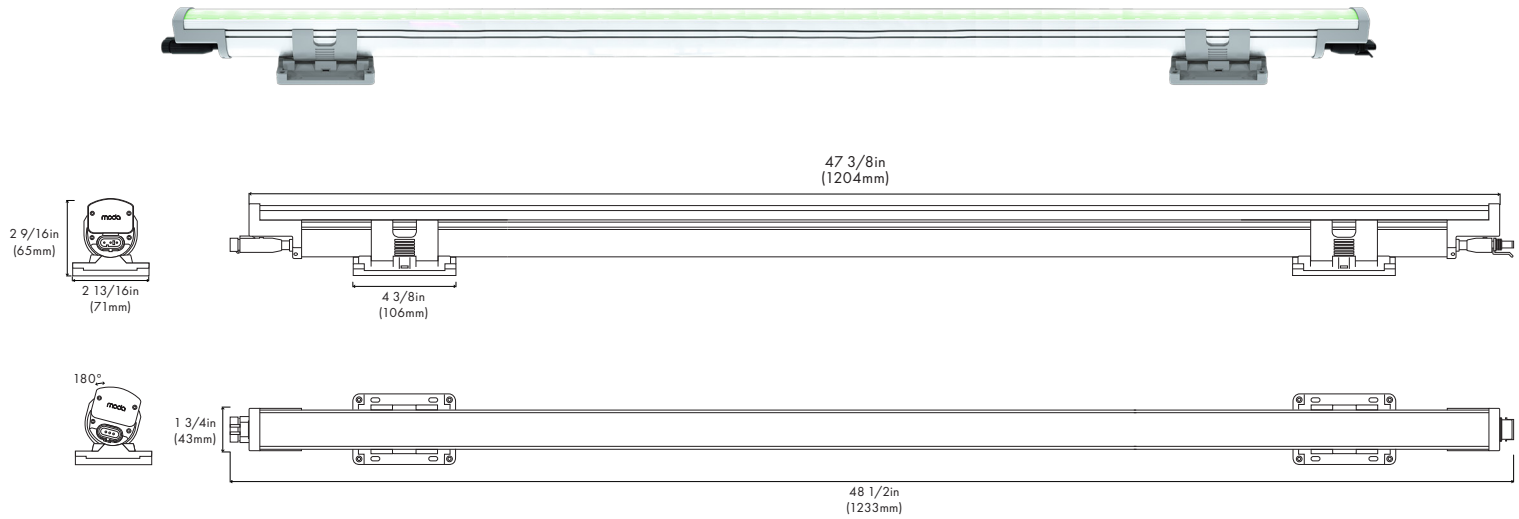
| Optic | Lumens | Efficacy |
|----------------|--------|----------|
| 6° | 962 | 96.20 |
| 10° | 950 | 95.00 |
| 25° | 936 | 93.60 |
| 40° | 926 | 92.60 |
| 10° x 40° | 917 | 91.70 |
| 30° x 60° | 914 | 91.40 |
| 30° x 60° x 5° | 912 | 91.20 |

Power Consumption

120-277V AC 10W

Max Run Lengths

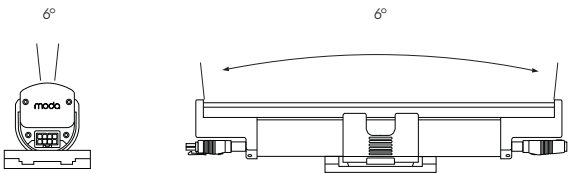
120-277V AC 80ft



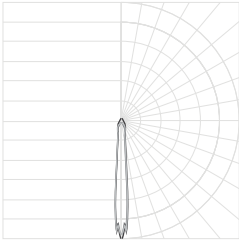
DMX

| Optic | Lumens | Efficacy | Power Consumption | Max Run Lengths |
|----------------|--------|----------|-------------------|------------------|
| 6° | 3398 | 84.95 | 120-277V AC 40W | 120-277V AC 80ft |
| 10° | 3386 | 84.65 | | |
| 25° | 3372 | 84.30 | | |
| 40° | 3362 | 84.05 | | |
| 10° x 40° | 3353 | 83.82 | | |
| 30° x 60° | 3350 | 83.75 | | |
| 30° x 60° x 5° | 3348 | 83.70 | | |

6° Beam Angle



Polar Candela Distribution

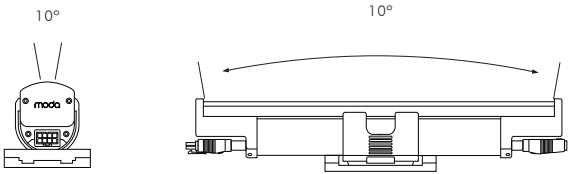


Illuminance at a Distance

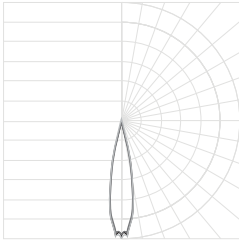
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 50.73 fc | 179.21 fc | 0.3 ft | 0.2 ft |
| 4.0 ft | 12.68 fc | 44.80 fc | 0.7 ft | 0.6 ft |
| 6.0 ft | 6.34 fc | 22.40 fc | 1.1 ft | 1.0 ft |
| 8.0 ft | 3.17 fc | 11.20 fc | 1.5 ft | 1.4 ft |
| 10.0 ft | 1.58 fc | 5.60 fc | 2.0 ft | 1.9 ft |
| 12.0 ft | 1.26 fc | 4.48 fc | 2.4 ft | 2.3 ft |

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

10° Beam Angle



Polar Candela Distribution

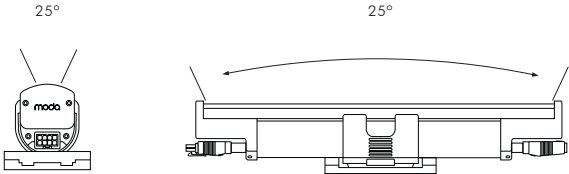


Illuminance at a Distance

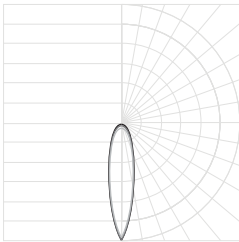
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 41.37 fc | 147.47 fc | 0.4 ft | 0.3 ft |
| 4.0 ft | 10.34 fc | 36.86 fc | 0.8 ft | 0.7 ft |
| 6.0 ft | 5.17 fc | 18.43 fc | 1.2 ft | 1.1 ft |
| 8.0 ft | 2.58 fc | 9.21 fc | 1.6 ft | 1.5 ft |
| 10.0 ft | 1.29 fc | 4.60 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

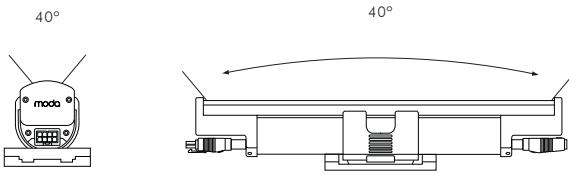


Illuminance at a Distance

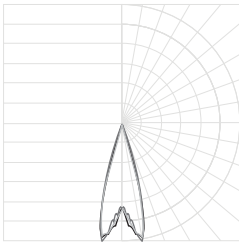
| | Center Beam FC | | Beam Width | |
|---------|----------------|----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 25.31 fc | 91.18 fc | 0.5 ft | 0.5 ft |
| 4.0 ft | 6.32 fc | 22.79 fc | 1.0 ft | 1.0 ft |
| 6.0 ft | 3.16 fc | 11.39 fc | 1.5 ft | 1.6 ft |
| 8.0 ft | 1.58 fc | 5.69 fc | 2.0 ft | 2.2 ft |
| 10.0 ft | 0.79 fc | 2.84 fc | 2.5 ft | 2.7 ft |
| 12.0 ft | 0.63 fc | 2.27 fc | 3.0 ft | 3.2 ft |

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

40° Beam Angle



Polar Candela Distribution

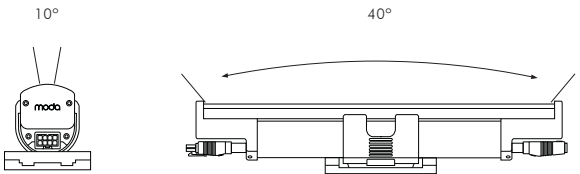


Illuminance at a Distance

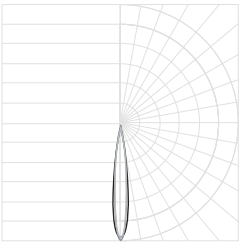
| | Center Beam FC | | Beam Width | |
|---------|----------------|----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 11.53 fc | 41.86 fc | 1.0 ft | 0.8 ft |
| 4.0 ft | 2.88 fc | 10.46 fc | 1.9 ft | 1.5 ft |
| 6.0 ft | 1.44 fc | 5.23 fc | 2.8 ft | 2.4 ft |
| 8.0 ft | 0.72 fc | 2.61 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 | 1.04 fc | 5.7 ft | 4.7 ft |

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

10°x40° Beam Angle



Polar Candela Distribution

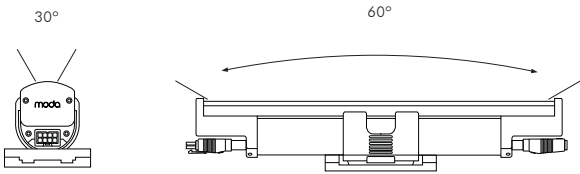


Illuminance at a Distance

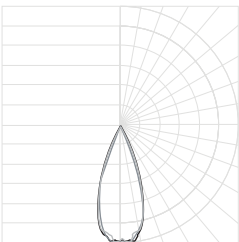
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 28.76 fc | 105.71 fc | 0.7 ft | 0.5 ft |
| 4.0 ft | 7.19 fc | 26.29 fc | 1.5 ft | 1.0 ft |
| 6.0 ft | 3.59 fc | 13.14 fc | 2.2 ft | 1.4 ft |
| 8.0 ft | 1.79 fc | 6.57 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

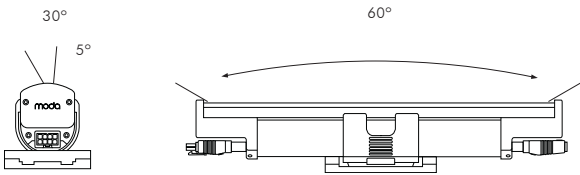


Illuminance at a Distance

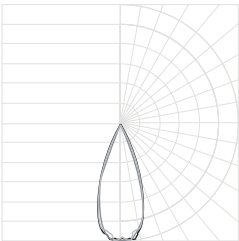
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|---------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 73.12 fc | 268.00 fc | 1.3 ft | 2.0 ft |
| 4.0 ft | 18.28 fc | 67.00 fc | 3.1 ft | 4.7 ft |
| 6.0 ft | 9.14 fc | 33.50 fc | 4.0 ft | 6.6 ft |
| 8.0 ft | 4.57 fc | 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



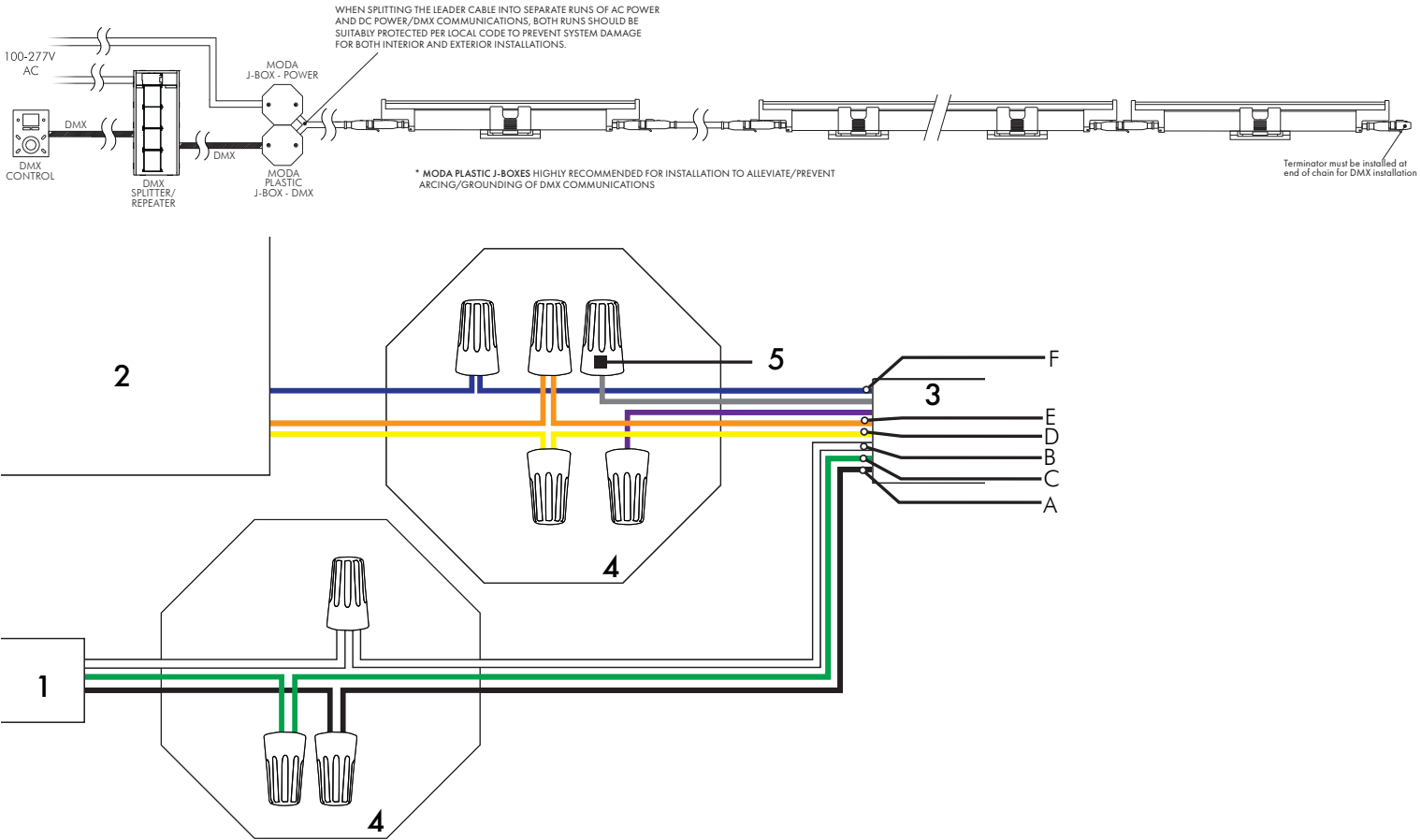
Polar Candela Distribution



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°



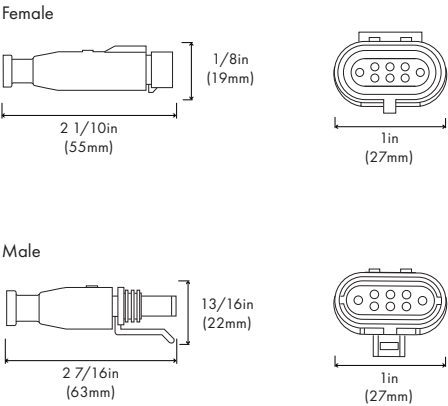
Wiring Legend

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

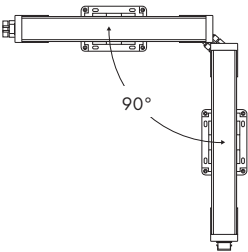
8 Pin Leader Cable

| | | UL/cUL | CE/CCC* |
|------------------|--------------------|---|--|
| A | 100-277V AC |  Black |  Brown |
| B | Neutral |  White |  Blue |
| C | Ground |  Green |  Green/Yellow |
| D | Data Positive/DC + |  Orange |  Orange |
| E | Data Negative/DC - |  Yellow |  Yellow |
| F | DMX Shield |  Dark Blue |  Dark Blue |
| *Not illustrated | | | |

DMX Connectors



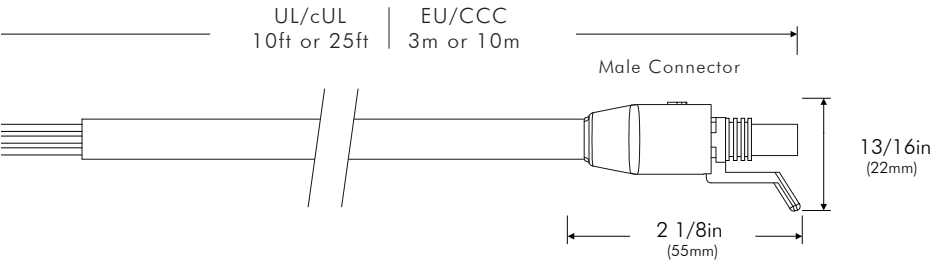
Angle Adjustment



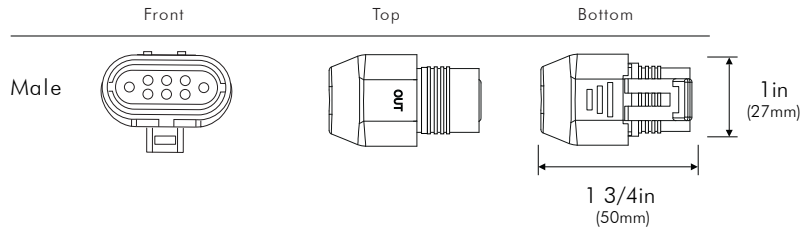
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

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



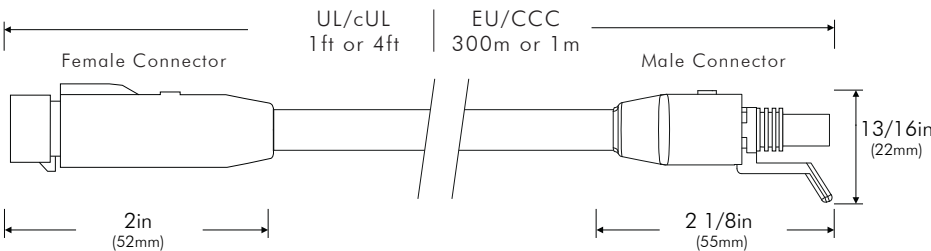
Connectors



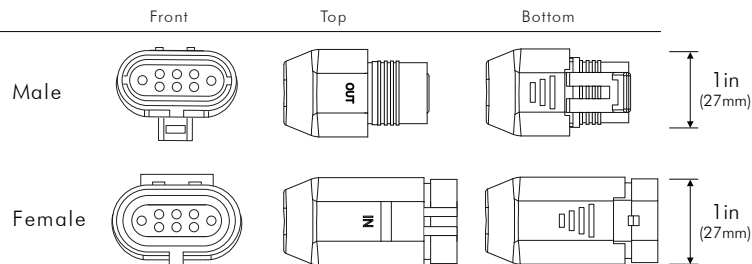
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

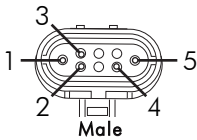
| | UL/cUL | EU/CCC |
|---------|-------------|--------------|
| Lengths | 1ft and 4ft | 300mm and 1m |
| Color | Black | Black |



Connectors

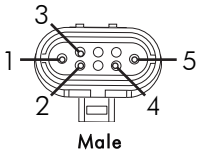


Pin Assignment

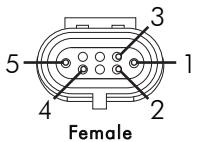


| | UL/cUL | EU/CCC |
|-----------------|--------|--------------|
| 1 Live 100-277V | Black | Brown |
| 2 Neutral | White | Blue |
| 3 Ground | Green | Green/Yellow |
| 4 DMX Positive | Orange | Orange |
| 5 DMX Negative | Yellow | Yellow |

Pin Assignment



| | 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 |



| | 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 |

MGE - HO - S1 - RGB - -



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

A - FIXTURE & LOCATION

MGE — Moda Graze Exterior

B - LIGHT OUTPUT

HO — High Output

C - SERIES NUMBER

S1 — Series 1

D - LED COLOR

RGB — Red, Green, Blue

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 10FT | Power to first fixture of run | MLCE-US-8PIN-B-10FT |
| Leader Cable US 8 Pin 25FT | Power to first fixture of run | MLCE-US-8PIN-B-25FT |
| 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 3M | Power to first fixture of run | MLCE-EU-8PIN-B-3M |
| Leader Cable EU 8 Pin 10M | Power to first fixture of run | MLCE-EU-8PIN-B-10M |
| 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) | 250-0040 |
| | | KND-TCH-W (White) | 250-0041 |
| MODA Touch* | DMX512 Wall Mounted Touch Panel Controller | MTCH-S1-B (Black) | MTCH-S1-B |
| | | MTCH-S1-W (White) | 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 |