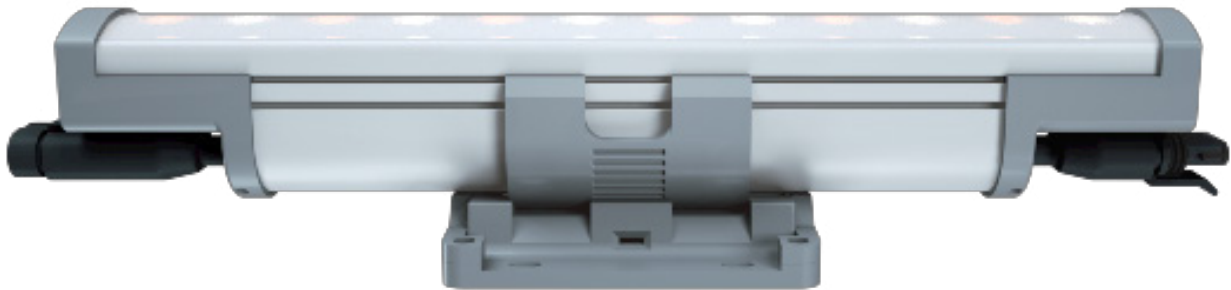


Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____



Specification Grade Premium Exterior Graze Fixture.

MODA GRAZE Exterior is a new patent pending 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 DMX 512 signals for full independent control of every 1ft section. Change the color temperature ranging from 1800K to 3000K and create a variety of moods. With MODA's methods of precision and high standards of work, MODA achieves perfect illumination. Color Rendering Index is at a MODA standard of 90-98. R1 - R15 values are in excess of 90. No striations, no color over angle, and no dark spots.

Wall wash any applications with a choice of 6°, 10°, 25°, 40°, 10°x40°, 30°x60°, or 30°x60°x5° beam patterns for and HO, or 30°x100° for SO or 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. 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: 1ft 1 1/2in(349.69mm) W: 2 13/16in(71.8mm) L: 4ft 1/2in (1.23m) H: 2 7/8in(73.42mm) |
| Applications | Graze, Accent & Indirect General Illumination |
| Construction | Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens |
| Ingress Protection | Wet Location IP66 |
| Thermal Management | MODA Aluminum Heat Sink |
| Beam Angle | 6°, 10°, 25°, 40°, 10°x40°, 30°x60°, forward throw asymmetric, 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 | 1800K - 3000K - SO, HO+ only 2200K - 3000K - HO only 2 Step MacAdam Ellipse |
| Color Bin Tolerance | Single Bin |
| CRI | 90-95 |
| 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 |
| Control | DMX 512 |
| Power Factor | ≥ 0.96 |

BEAM ANGLES

| | SO | HO | HO+ |
|--------------------------|-------------|----|-----|
| 6° | | • | |
| 10° | | • | |
| 25° | | • | |
| 40° | | • | |
| 10°x40° | | • | |
| 30°x60° | | • | |
| Forward Throw Asymmetric | | • | |
| 30°x100° | • | | • |
| | • Available | | |

MODA TECHNOLOGY

moda**SOFTWARE**™

moda**HARDWARE**™

moda**DMX**™

moda**DRIVER**™

moda**ZERO BIN**™

moda**OPTIC**™

moda**LINEAR OPTIC**™

moda**DYNAMIC WARM**™

moda**THERMAL MANAGEMENT**™

moda**GUARD**™

moda**SEAL**™

moda**AIRFLOW**™

moda**COMMUNICATE**™

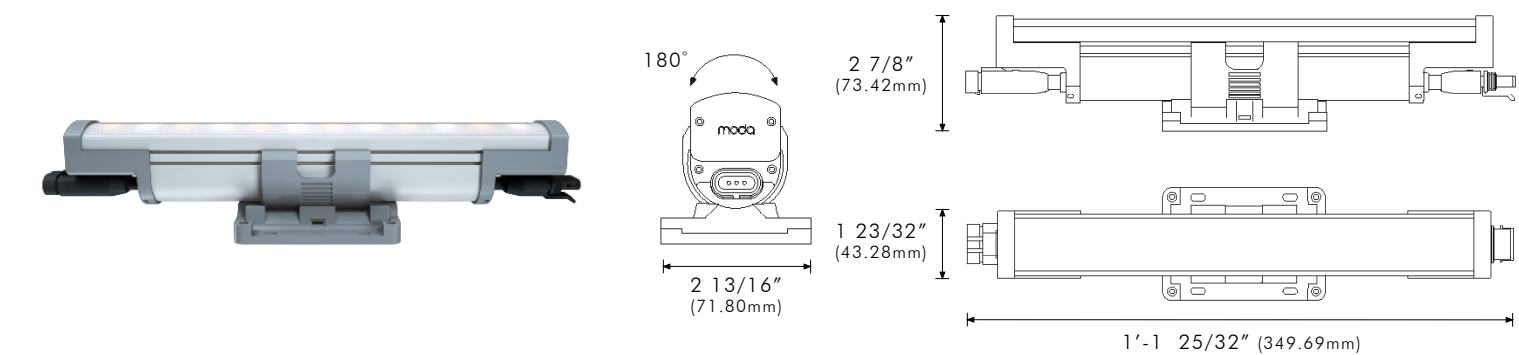
moda**KWIK CONNECT**™



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 3 Year Limited Warranty



DMX

| Output | CCT | 6° | | 10° | | 25° | |
|--------|----------|------------------|----------------|------------------|----------------|------------------|----------------|
| | | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy |
| HO | 22K - 3K | 995.96 - 1151.40 | 99.59 - 125.15 | 985.58 - 1139.40 | 98.55 - 113.94 | 973.47 - 1125.40 | 97.34 - 112.54 |

| Output | CCT | 40° | | 10°x40° | | 30°x60° | |
|--------|----------|------------------|----------------|------------------|----------------|------------------|----------------|
| | | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy |
| HO | 22K - 3K | 964.82 - 1115.40 | 96.48 - 111.54 | 957.03 - 1106.40 | 95.70 - 110.64 | 954.44 - 1103.40 | 95.44 - 110.34 |

| Output | CCT | 30°x60°x5° | | Output | CCT | 30°x100° | |
|--------|----------|------------------|-----------------|--------|----------|------------------|----------------|
| | | Lumens | Efficacy | | | Lumens | Efficacy |
| HO | 22K - 3K | 952.71 - 1101.40 | 952.71 - 110.40 | SO | 18K - 3K | 631.45 - 730.00 | 63.14 - 73.00 |
| | | | | HO+ | 18K - 3K | 987.55 - 1141.68 | 98.75 - 114.16 |

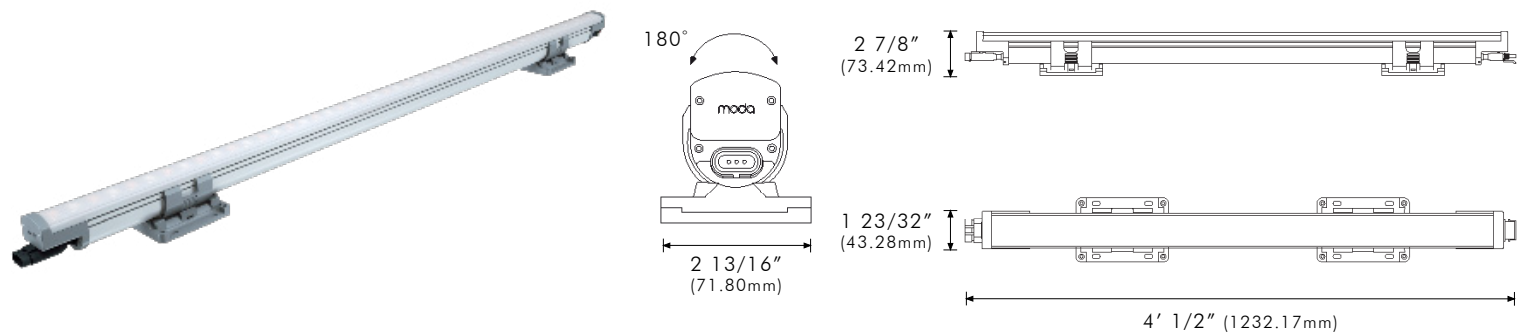
Power Consumption

120-277V AC 10W

Max Run Lengths

120-277V AC 80ft

| Output | CRI |
|--------|-----|
| SO | 95 |
| HO | 97 |
| HO+ | 98 |



DMX

| Output | CCT | 6° | | 10° | | 25° | |
|--------|----------|-------------------|----------------|-------------------|----------------|-------------------|----------------|
| | | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy |
| HO | 22K - 3K | 3594.59 - 4155.60 | 89.86 - 103.89 | 3584.21 - 4143.60 | 89.60 - 122.05 | 3572.10 - 4129.60 | 89.30 - 103.24 |

| Output | CCT | 40° | | 10°x40° | | 30°x60° | |
|--------|----------|-------------------|----------------|-------------------|----------------|-------------------|----------------|
| | | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy |
| HO | 22K - 3K | 3563.45 - 4119.60 | 89.08 - 102.99 | 3555.66 - 4110.60 | 88.89 - 118.75 | 3553.07 - 4107.60 | 88.82 - 102.69 |

| Output | CCT | 30°x60°x5° | |
|--------|----------|-------------------|----------------|
| | | Lumens | Efficacy |
| HO | 22K - 3K | 3551.34 - 4105.60 | 88.78 - 102.64 |

| Output | CCT | 30°x100° | |
|--------|----------|-------------------|----------------|
| | | Lumens | Efficacy |
| SO | 18K - 3K | 2525.80 - 2920.00 | 63.14 - 73.00 |
| HO+ | 18K - 3K | 3950.21 - 4566.72 | 98.75 - 114.16 |

Power Consumption

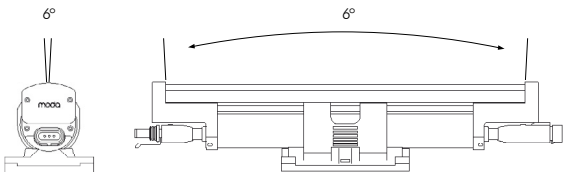
120-277V AC 40W

Max Run Lengths

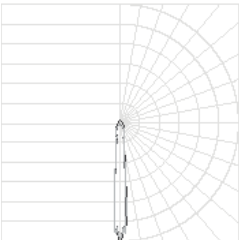
120-277V AC 80ft

| Output | CRI |
|--------|-----|
| SO | 95 |
| HO | 97 |
| HO+ | 98 |

6° Beam Angle



Polar Candela Distribution (HO)

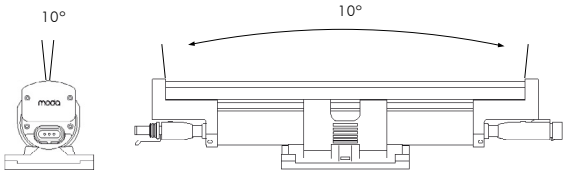


Illuminance at a Distance (HO)

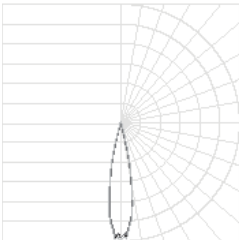
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 52.45 fc | 189.23 fc | 0.4 ft | 0.3 ft |
| 4.0 ft | 13.11 fc | 47.30 fc | 0.8 ft | 0.7 ft |
| 6.0 ft | 6.55 fc | 23.65 fc | 1.2 ft | 1.1 ft |
| 8.0 ft | 3.27 fc | 11.82 fc | 1.6 ft | 1.5 ft |
| 10.0 ft | 1.63 fc | 5.91 fc | 2.1 ft | 2.0 ft |
| 12.0 ft | 1.31 fc | 4.73 fc | 2.5 ft | 2.4 ft |

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

10° Beam Angle



Polar Candela Distribution (HO)

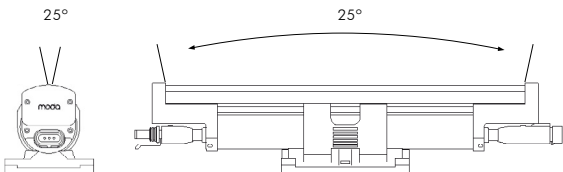


Illuminance at a Distance (HO)

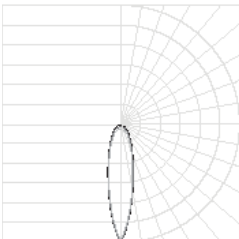
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 49.62 fc | 180.47 fc | 0.4 ft | 0.3 ft |
| 4.0 ft | 12.40 fc | 45.11 fc | 0.8 ft | 0.7 ft |
| 6.0 ft | 6.20 fc | 22.55 fc | 1.2 ft | 1.1 ft |
| 8.0 ft | 3.10 fc | 11.27 fc | 1.6 ft | 1.5 ft |
| 10.0 ft | 1.55 fc | 5.63 fc | 2.1 ft | 2.0 ft |
| 12.0 ft | 1.24 fc | 4.51 fc | 2.5 ft | 2.4 ft |

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

25° Beam Angle



Polar Candela Distribution (HO)

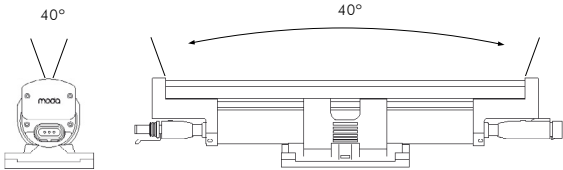


Illuminance at a Distance (HO)

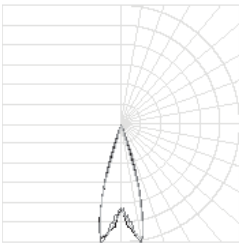
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 30.43 fc | 111.67 fc | 0.5 ft | 0.5 ft |
| 4.0 ft | 7.60 fc | 27.91 fc | 1.0 ft | 1.0 ft |
| 6.0 ft | 3.80 fc | 13.95 fc | 1.5 ft | 1.6 ft |
| 8.0 ft | 1.90 fc | 6.97 fc | 2.0 ft | 2.2 ft |
| 10.0 ft | 0.95 fc | 3.48 fc | 2.5 ft | 2.7 ft |
| 12.0 ft | 0.76 fc | 2.79 fc | 3.0 ft | 3.2 ft |

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

40° Beam Angle



Polar Candela Distribution (HO)

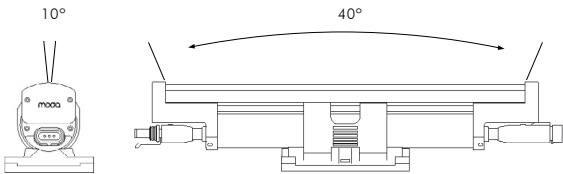


Illuminance at a Distance (HO)

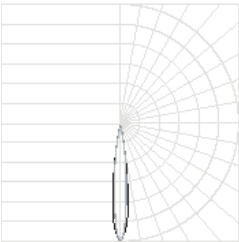
| | Center Beam FC | | Beam Width | |
|---------|----------------|----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 13.89 fc | 51.30 fc | 1.0 ft | 0.8 ft |
| 4.0 ft | 3.47 fc | 12.83 fc | 1.9 ft | 1.5 ft |
| 6.0 ft | 1.73 fc | 6.41 fc | 2.8 ft | 2.4 ft |
| 8.0 ft | 0.86 fc | 3.21 fc | 3.8 ft | 3.2 ft |
| 10.0 ft | 0.43 fc | 1.60 fc | 4.8 ft | 4.0 ft |
| 12.0 ft | 0.34 fc | 1.28 fc | 5.7 ft | 4.7 ft |

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

10°X40° Beam Angle



Polar Candela Distribution (HO)

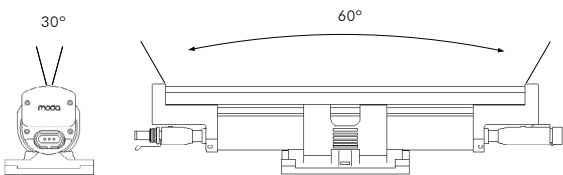


Illuminance at a Distance (HO)

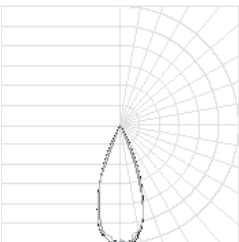
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 34.70 fc | 128.93 fc | 0.7 ft | 0.5 ft |
| 4.0 ft | 8.67 fc | 32.23 fc | 1.5 ft | 1.0 ft |
| 6.0 ft | 4.33 fc | 16.11 fc | 2.2 ft | 1.4 ft |
| 8.0 ft | 2.16 fc | 8.05 fc | 3.0 ft | 1.9 ft |
| 10.0 ft | 1.08 fc | 4.02 fc | 4.6 ft | 2.4 ft |
| 12.0 ft | 0.86 fc | 3.22 fc | 4.4 ft | 3.0 ft |

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

30°x60° Beam Angle



Polar Candela Distribution (HO)

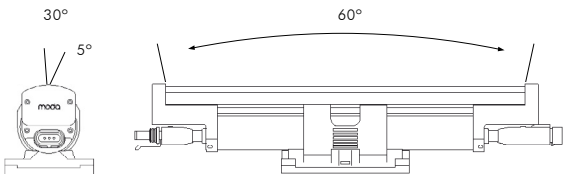


Illuminance at a Distance (HO)

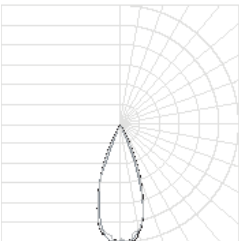
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|---------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 88.27 fc | 328.61 fc | 1.3 ft | 2.0 ft |
| 4.0 ft | 22.07 fc | 82.15 fc | 3.1 ft | 4.7 ft |
| 6.0 ft | 11.03 fc | 41.08 fc | 4.0 ft | 6.6 ft |
| 8.0 ft | 5.52 fc | 20.54 fc | 5.8 ft | 9.3 ft |
| 10.0 ft | 2.76 fc | 10.27 fc | 7.0 ft | 11.2 ft |
| 12.0 ft | 2.21 fc | 8.22 fc | 9.0 ft | 14.0 ft |

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

30°x60°x5° Beam Angle



Polar Candela Distribution (HO)

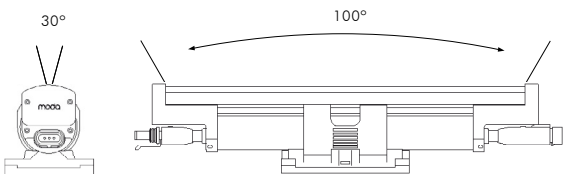


Illuminance at a Distance (HO)

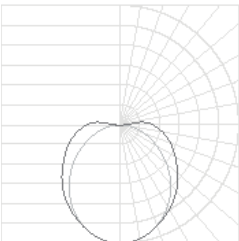
| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|--------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 12.79 fc | 328.61 fc | 1.3 ft | 0.3 ft |
| 4.0 ft | 3.19 fc | 82.15 fc | 2.6 ft | 0.9 ft |
| 6.0 ft | 1.59 fc | 41.08 fc | 3.9 ft | 1.3 ft |
| 8.0 ft | 0.79 fc | 20.54 fc | 5.2 ft | 1.6 ft |
| 10.0 ft | 0.39 fc | 10.27 fc | 6.5 ft | 1.9 ft |
| 12.0 ft | 0.31 fc | 8.22 fc | 7.87 ft | 2.6 ft |

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

30°x100° Beam Angle



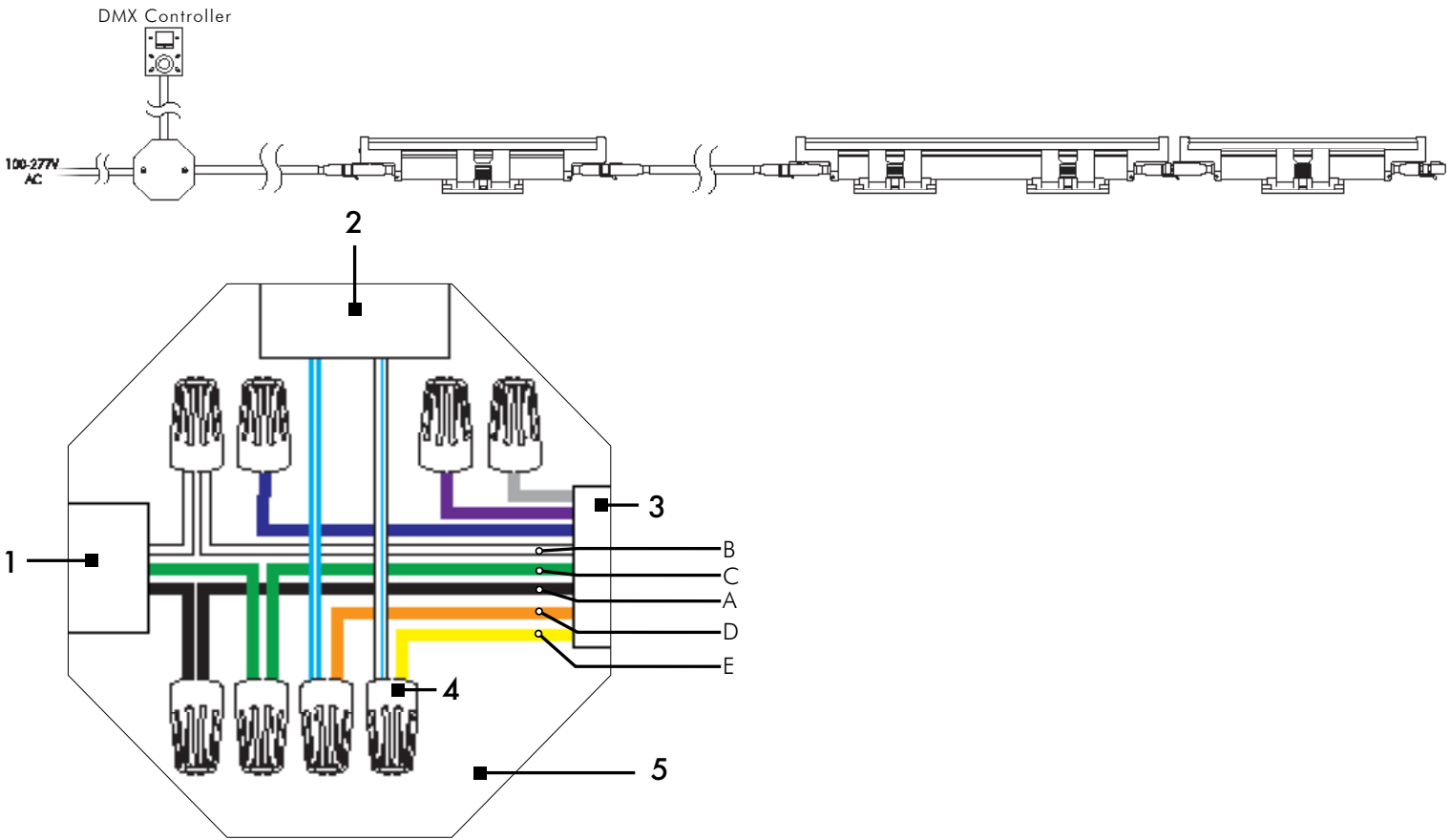
Polar Candela Distribution (HO+)



Illuminance at a Distance (HO+)

| | Center Beam FC | | Beam Width | |
|---------|----------------|-----------|------------|---------|
| | 1 Foot | 4 Foot | | |
| 2.0 ft | 105.71 fc | 422.84 fc | 1.3 ft | 2.0 ft |
| 4.0 ft | 26.42 fc | 105.71 fc | 3.1 ft | 4.2 ft |
| 6.0 ft | 13.21 fc | 52.85 fc | 4.0 ft | 6.6 ft |
| 8.0 ft | 6.60 fc | 26.42 fc | 5.8 ft | 9.3 ft |
| 10.0 ft | 3.30 fc | 13.21 fc | 7.0 ft | 11.2 ft |
| 12.0 ft | 2.64 fc | 10.57 fc | 9.0 ft | 14.0 ft |

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



Wiring Legend

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

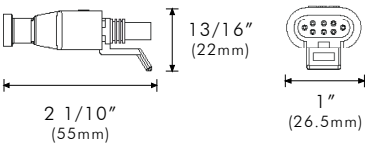
8 Pin Leader Cable

| | 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 |

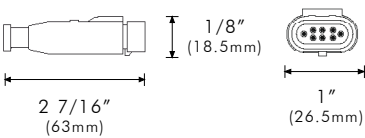
*Not illustrated

DMX Connectors

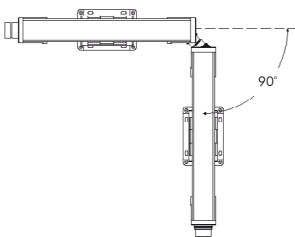
Female



Male



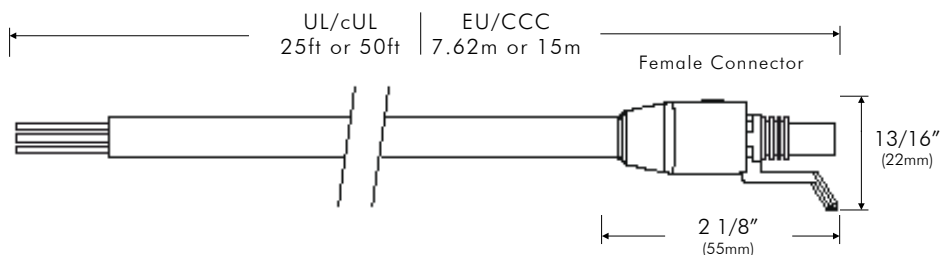
Angle Adjustment



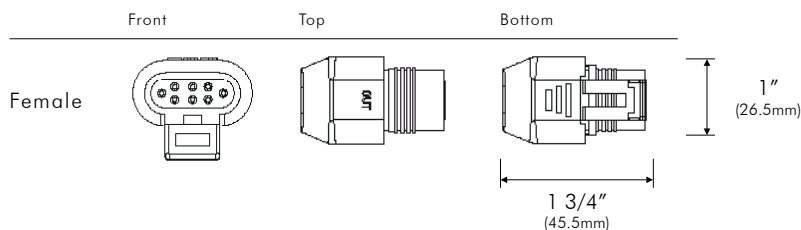
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

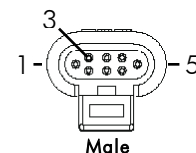
| | UL/cUL | EU/CCC |
|----------------|---------------|---------------|
| Lengths | 25ft and 50ft | 7.62m and 15m |
| Color | Black | Black |



Connectors



Pin Assignment

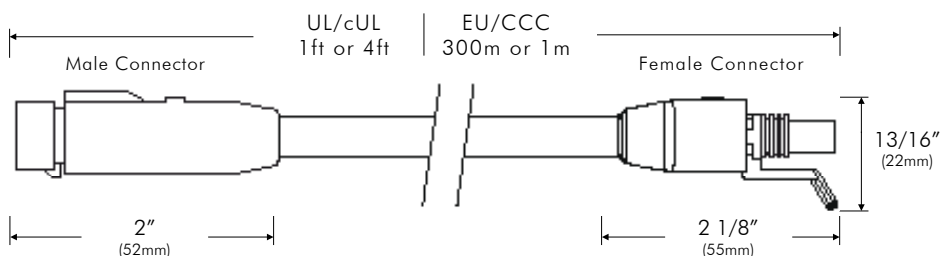


| | | UL/cUL | EU/CCC |
|---|---------------|--------|------------------|
| 1 | Live 100-277V | Black | Brown |
| 2 | Neutral | White | Blue |
| 3 | Ground | Green | Green/ Yellow |
| 3 | DMX Positive | Orange | Orange |
| 4 | DMX Negative | Yellow | Yellow |

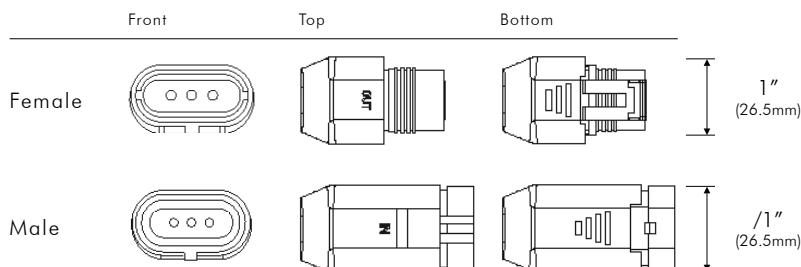
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

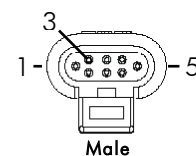
| | UL/cUL | EU/CCC |
|----------------|-------------|--------------|
| Lengths | 1ft and 4ft | 300mm and 1m |
| Color | Black | Black |



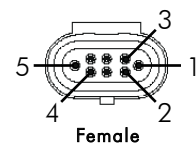
Connectors



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 - - S1 - DWW - -



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

A - FIXTURE & LOCATION

| | | |
|-----|---|---------------------|
| MGE | — | Moda Graze Exterior |
|-----|---|---------------------|

B - LIGHT OUTPUT

| | | |
|-----|---|------------------|
| SO | — | Standard Output |
| HO | — | High Output |
| HO+ | — | High Output Plus |

C - SERIES NUMBER

| | | |
|----|---|----------|
| S1 | — | Series 1 |
|----|---|----------|

D - LED COLOR

| | | |
|-----|---|--------------------|
| DWW | — | Dynamic Warm White |
|-----|---|--------------------|

E - 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* | — | Forward Throw Asymmetric |
| 310** | — | 30° x 100° |

*Available only in HO

**Available only in SO and HO+

| ACCESSORIES | DESCRIPTION | SKU |
|-----------------------------|---|----------------------|
| Leader Cable US 8 Pin 10ft | Power to first fixture of run | MLCI-US-8PIN-G-10FT |
| Leader Cable US 8 Pin 25ft | Power to first fixture of run | MLCI-US-8PIN-G-25FT |
| Jumper Cable US 8 Pin 1ft | Connection between fixtures | MJCI-US-8PIN-G-1FT |
| Jumper Cable US 8 Pin 4ft | Connection between fixtures | MJCI-US-8PIN-G-4FT |
| Leader Cable EU 8 Pin 3m | Power to first fixture of run | MLCI-EU-8PIN-G-3M |
| Leader Cable EU 8 Pin 7.62m | Power to first fixture of run | MLCI-EU-8PIN-G-7.62M |
| Jumper Cable EU 8 Pin 300mm | Connection between fixtures | MJCI-EU-8PIN-G-300MM |
| Jumper Cable EU 8 Pin 1m | Connection between fixtures | MJCI-EU-8PIN-G-1M |
| Terminator 8 Pin | Must be fixed to last fixture for safety | MTI-8PIN-G |
| Interior 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 |