

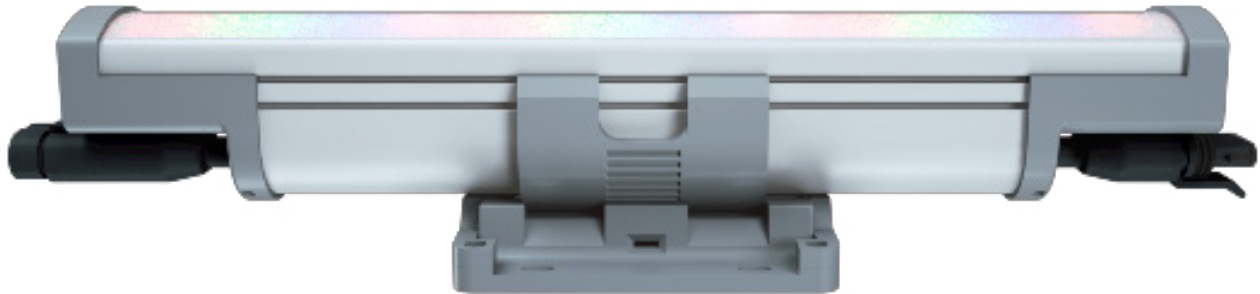
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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

\_\_\_\_\_



### Specification Grade Premium Exterior Cove Fixture.

MODA COVE Exterior is a new patent pending cove 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. 100-277V 50/60 Hz power input allows these fixtures to be installed anywhere in the world. New patent pending locking bracket which rotates 180 degrees 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 plug 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

|                       |   |
|-----------------------|---|
| Dimensions            | L: 1ft 1 25/32in(349.69mm) W: 2 13/16in(71.81mm)<br>L: 4ft 19/32in(1.23m) H: 2 7/8in(73.42mm) |
| Applications          | Cove, 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            | 120°  |
| 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          | RGBA - N/A   |
| Color Bin Tolerance | Zero Bin   |
| Wavelength          | Variable for RGBA                                  |
| Lumen Maintenance   | 90,000 Hours L70 @ 25°C<br>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       | DMX 512               |
| Power Factor  | ≥ 0.96                |

## MODA TECHNOLOGY

moda**SOFTWARE**™

moda**HARDWARE**™

moda**DMX**™

moda**DRIVER**™

moda**ZERO BIN**™

moda**THERMAL MANAGEMENT**™

moda**GUARD**™

moda**SEAL**™

moda**AIRFLOW**™

moda**COMMUNICATE**™

moda**KWIK CONNECT**™



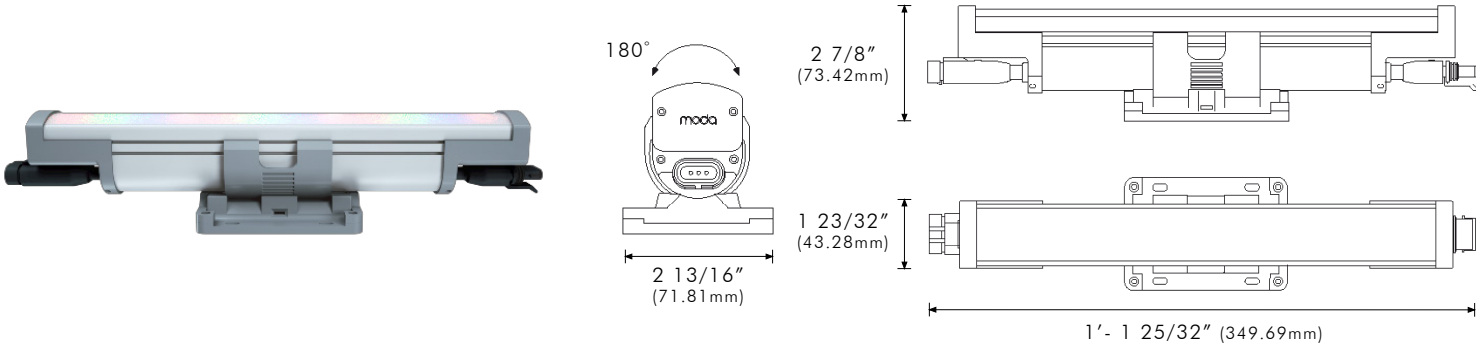
RoHS ✓



**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

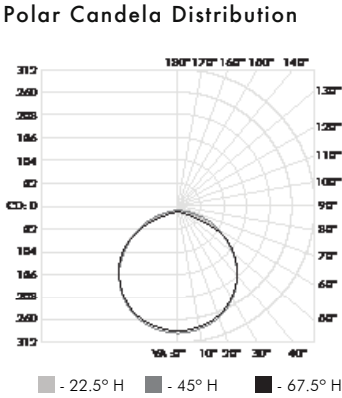
**Warranty** 3 Year Limited Warranty

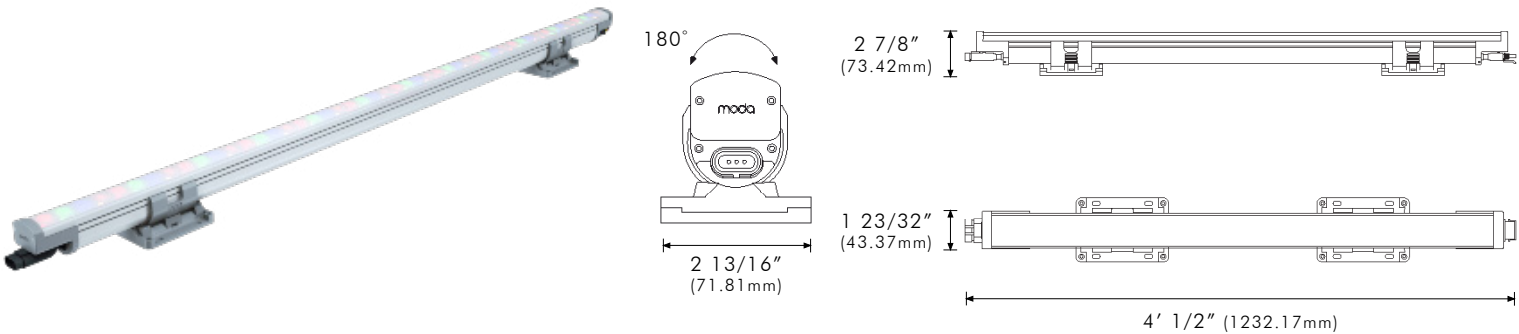


DMX

| Lumens                   | Efficacy               |
|--------------------------|------------------------|
| 831                      | 83.10                  |
| <b>Power Consumption</b> |                        |
| 120-277V AC 10W          | <b>Max Run Lengths</b> |
|                          | 120-277V AC 80ft       |

| Illuminance at a Distance |          |                       |         |
|---------------------------|----------|-----------------------|---------|
| Center Beam FC            |          | Beam Width            |         |
| 2.0 ft                    | 77.00 fc | 8.9 ft                | 5.6 ft  |
| 4.0 ft                    | 19.23 fc | 18.1 ft               | 11.3 ft |
| 6.0 ft                    | 9.61 fc  | 27.0 ft               | 16.9 ft |
| 8.0 ft                    | 4.80 fc  | 36.1 ft               | 22.5 ft |
| 10.0 ft                   | 2.40 fc  | 45.1 ft               | 28.2 ft |
| 12.0 ft                   | 2.00 fc  | 54.1 ft               | 33.8 ft |
| ▲ Vert. Spread: 200°      |          | ▲ Horiz. Spread: 120° |         |

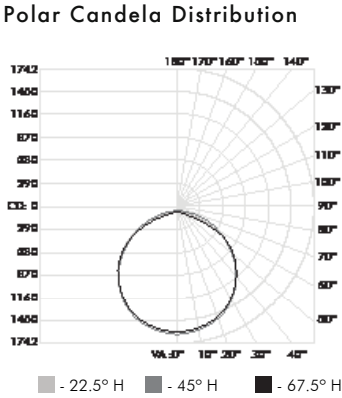


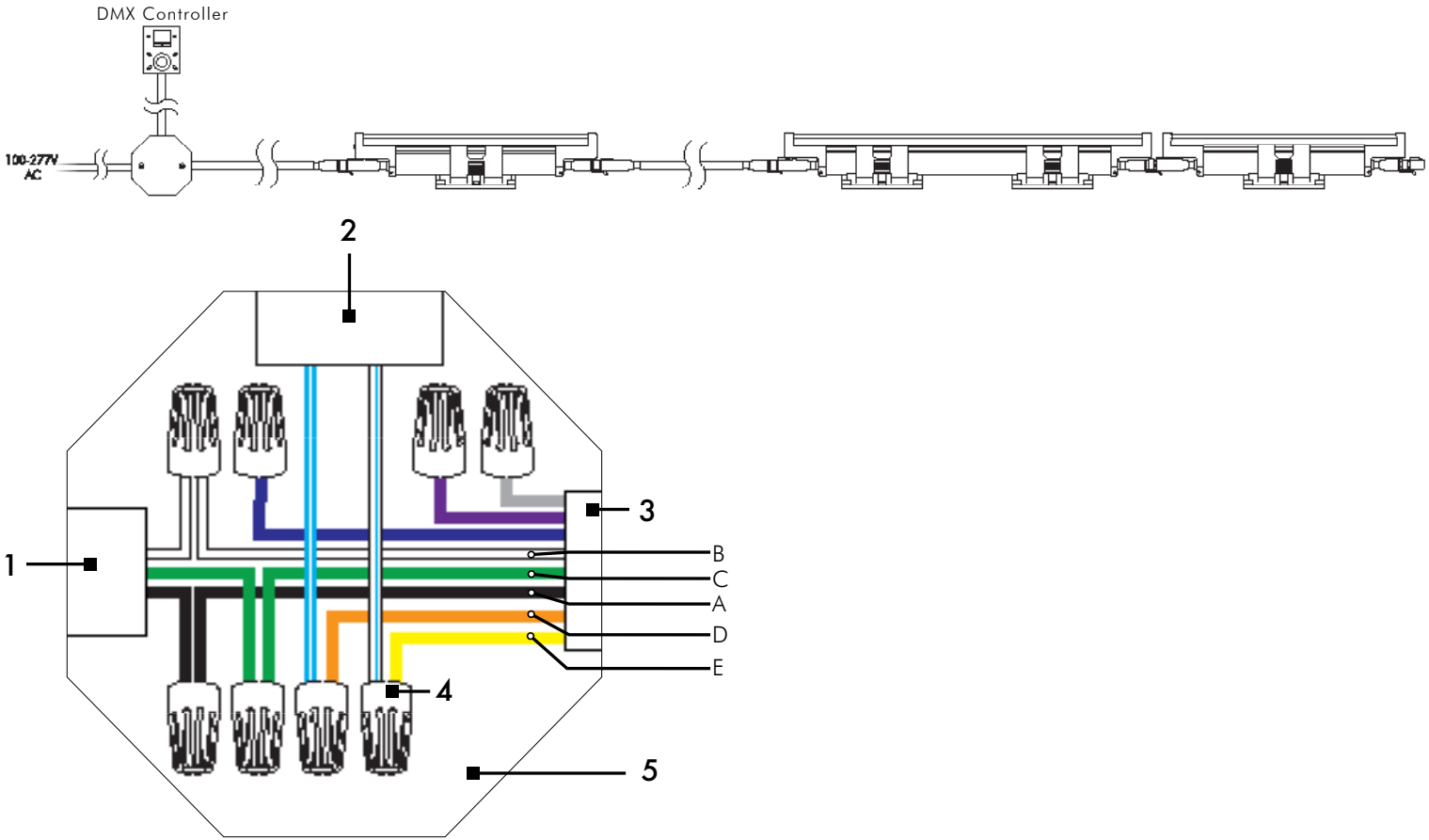


DMX

| Lumens                   | Efficacy               |
|--------------------------|------------------------|
| 3324                     | 83.10                  |
| <b>Power Consumption</b> |                        |
| 120-277V AC 40W          | <b>Max Run Lengths</b> |
|                          | 120-277V AC 80ft       |

| Illuminance at a Distance                       |                |            |         |
|---|----------------|------------|---------|
|   | Center Beam FC | Beam Width |         |
| 2.0 ft  | 300.77 fc      | 8.9 ft     | 5.6 ft  |
| 4.0 ft  | 76.94 fc       | 18.1 ft    | 11.3 ft |
| 6.0 ft  | 38.47 fc       | 27.0 ft    | 16.9 ft |
| 8.0 ft  | 19.23 fc       | 36.1 ft    | 22.5 ft |
| 10.0 ft   | 9.61 fc        | 45.1 ft    | 28.2 ft |
| 12.0 ft   | 7.70 fc        | 54.1 ft    | 33.8 ft |
| ▲ Vert. Spread: 200°      ▲ Horiz. Spread: 120° |                |            |         |















Wiring Legend

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

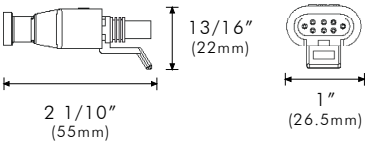
8 Pin Leader Cable

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

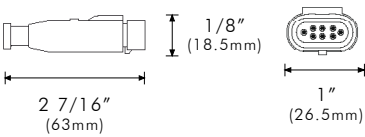
\*Not illustrated

DMX Connectors

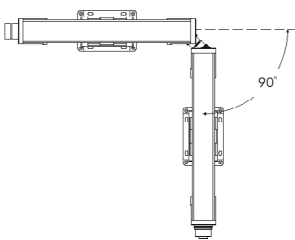
Female



Male



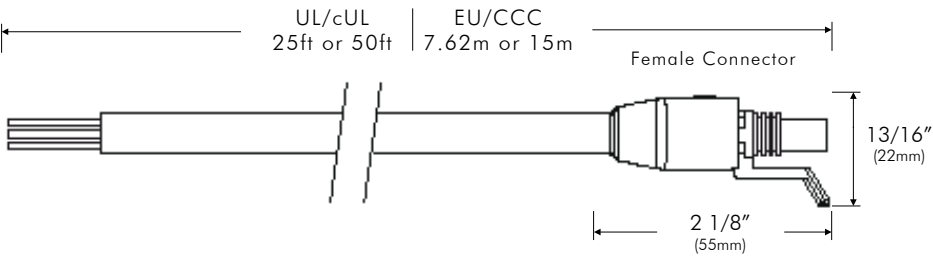
Angle Adjustment



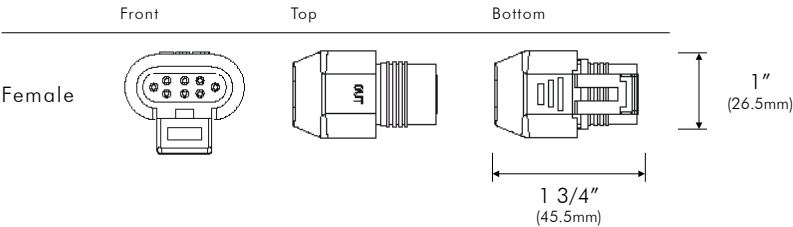
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

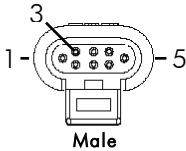
|         | UL/cUL        | EU/CCC        |
|---------|---------------|---------------|
| Lengths | 25ft and 50ft | 7.62m and 15m |
| Color   | Black         | Black         |



Connectors



Pin Assignment

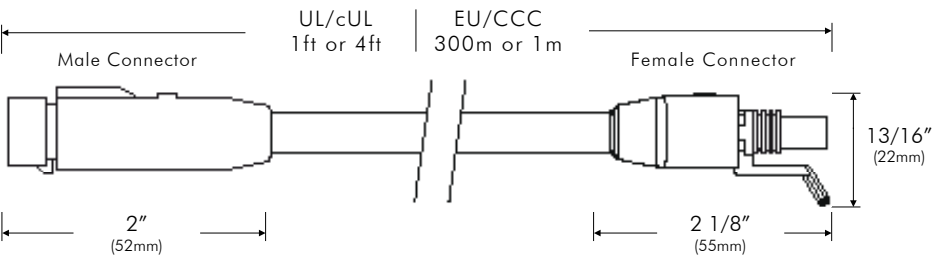


|   |               | UL/cUL | EU/CCC           |
|---|---------------|--------|------------------|
| 1 | Live 100-277V | Black  | Brown            |
| 2 | Neutral       | White  | Blue             |
| 3 | Ground        | Green  | Green/<br>Yellow |
| 3 | DMX Positive  | Orange | Orange           |
|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

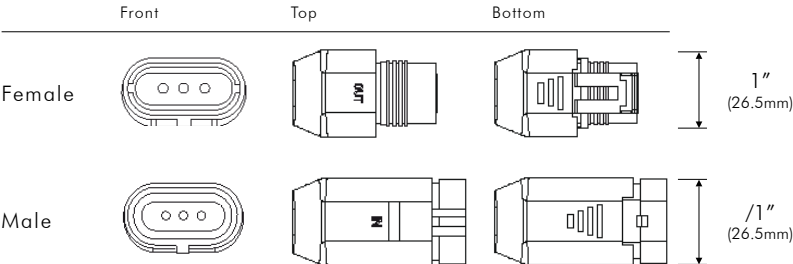
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

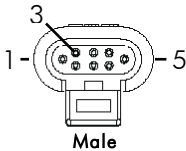
|         | UL/cUL      | EU/CCC       |
|---------|-------------|--------------|
| Lengths | 1ft and 4ft | 300mm and 1m |
| Color   | Black       | Black        |



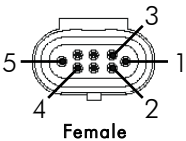
Connectors



Pin Assignment



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

| FIXTURE   | SKU                |
|---|--------------------|
| <b>1FT</b> Moda Cove Exterior High Output Silver Red Green Blue Amber 1FT | MCE-HO-S1-S-RGBA-1 |
| <b>4FT</b> Moda Cove Exterior High Output Silver Red Green Blue Amber 4FT | MCE-HO-S1-S-RGBA-4 |

| 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 | MCE-BL-G             |

| CONTROLS                     | DESCRIPTION  | ORDERING NUMBER | PART NUMBER |
|------------------------------|--|-----------------|-------------|
| Kandi-Touch-Black            | 2 Universe DMX Wall Controller   | KND-TCH-B       | 250-0040    |
| Kandi-Touch-White            | 2 Universe DMX Wall Controller   | KND-TCH-W       | 250-0041    |
| 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    |