

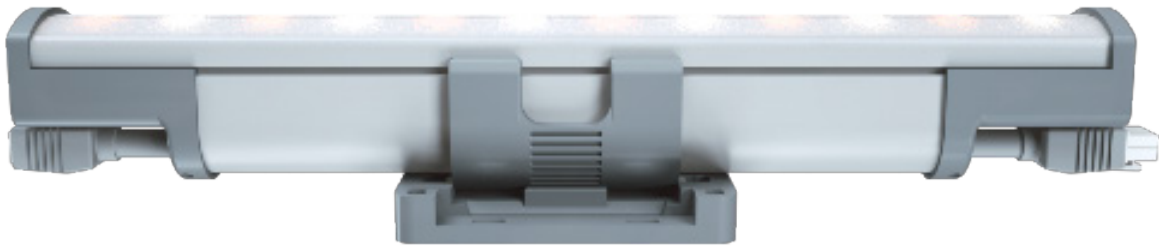
Client: \_\_\_\_\_ Project Name: \_\_\_\_\_

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

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

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

\_\_\_\_\_



#### Specification Grade Premium Interior Cove Fixture.

MODA COVE Interior is a patent pending cove lighting system designed for interior 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. 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. 100-277V, 50/60Hz power input allows these fixtures to be installed anywhere in the world. New patent pending locking bracket rotates 180 degrees for a multitude of light directions. Rugged aluminum design. 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

|                       |   |                    |
|-----------------------|---|--------------------|
| Dimensions            | L: 12 3/8in (318mm)   | W: 2 7/16in (61mm) |
|                       | L: 47 5/16in (1202mm)   | H: 2 3/8in (60mm)  |
| Weight                | 12in: 1.0lbs (0.45kg)   |                    |
|                       | 48in: 3.1lbs (1.4kg)  |                    |
| Applications          | Cove, Accent, & Indirect General Illumination                                     |                    |
| Construction          | Pure Aluminum Body, Polycarbonate Mounting Bracket and Polycarbonate Optical Lens |                    |
| Ingress Protection    | Dry/Damp Location IP44  |                    |
| 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    |
| SO  | 730    | 2942 | 73.00    | 73.54  |
| HO  | 1139   | 4590 | 113.90   | 114.76 |
| HO+ | 1298   | 5233 | 130.83   | 129.86 |

## POWER CONSUMPTION

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

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## ELECTRICAL

|               |                       |
|---------------|-----------------------|
| Input Voltage | 100-277V AC 50Hz/60Hz |
| Control       | DMX512                |
| Power Factor  | ≥ 0.98                |

## MAX CONTINUOUS RUN

|           | 120V AC | 277V AC |
|-----------|---------|---------|
| SO/HO/HO+ | 80ft    | 80ft    |

## OUTPUT

|                     |  |
|---------------------|--|
| CCT                 | 1800K - 3000K*                                     |
| Beam Angle          | 120°   |
| CRI                 | 95   |
| SDCM                | 2 Step MacAdam Ellipse                             |
| Color Bin Tolerance | Single Bin   |
| 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                     |

\*CCT 2200K - 3000K available only in HO

## MODA TECHNOLOGY

moda**SOFTWARE**<sup>™</sup>

moda**HARDWARE**<sup>™</sup>

moda**DYNAMIC WARM**<sup>™</sup>

moda**PHOSPHOR**<sup>™</sup>

moda**HIGH CRI**<sup>™</sup>

moda**DMX**<sup>™</sup>

moda**DRIVER**<sup>™</sup>

moda**ZERO BIN**<sup>™</sup>

moda**THERMAL MANAGEMENT**<sup>™</sup>

moda**GUARD**<sup>™</sup>

moda**SEAL**<sup>™</sup>

moda**AIRFLOW**<sup>™</sup>

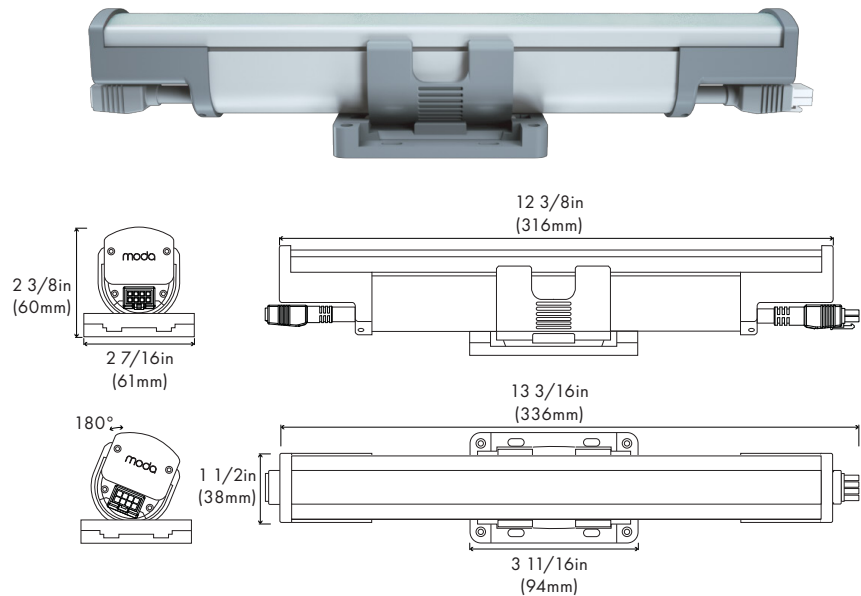
moda**COMMUNICATE**<sup>™</sup>

moda**KWIK CONNECT**<sup>™</sup>

## 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   |



DMX

|     | Lumens            | CRI | Efficacy        |
|-----|-------------------|-----|-----------------|
| SO  | 629.62 - 730.00   | 95  | 62.96 - 73.00   |
| HO  | 1001.40 - 1139.09 | 95  | 100.14 - 113.90 |
| HO+ | 1141.68 - 1298.66 | 95  | 114.16 - 129.86 |

Power Consumption

120-277V AC 10W

Max Run Lengths

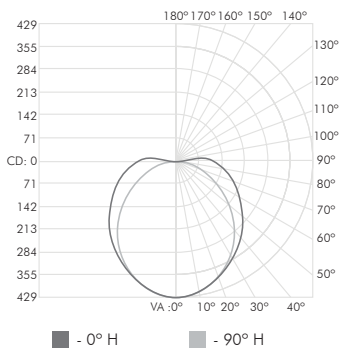
120-277V AC 80ft

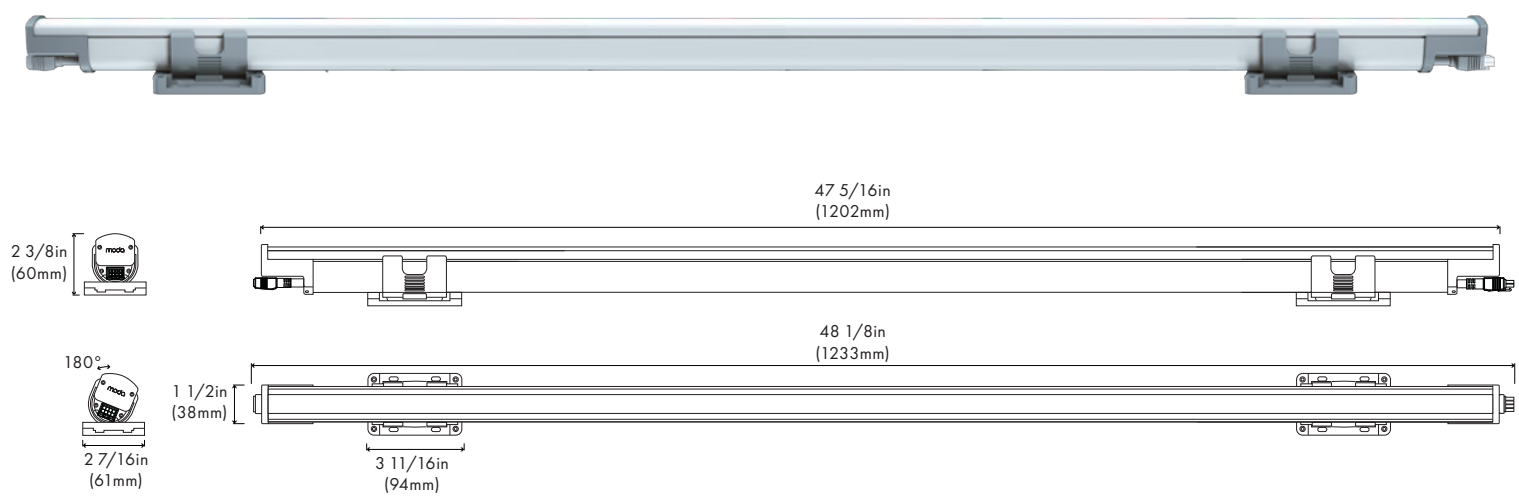
Illuminance at a Distance

|         | Center Beam FC | Beam Width      |
|---------|----------------|-----------------|
| 2.0 ft  | 105.71 fc      | 8.9 ft 5.6 ft   |
| 4.0 ft  | 26.42 fc       | 18.1 ft 11.3 ft |
| 6.0 ft  | 13.21 fc       | 27.0 ft 16.9 ft |
| 8.0 ft  | 6.60 fc        | 36.1 ft 22.5 ft |
| 10.0 ft | 3.60 fc        | 45.1 ft 28.2 ft |
| 12.0 ft | 2.64 fc        | 54.1 ft 33.8 ft |

■ Vert. Spread: 200°      ▲ Horiz. Spread: 120°

Polar Candela Distribution





DMX

|     | Lumens            | CRI | Efficacy        |
|-----|-------------------|-----|-----------------|
| SO  | 2537.36 - 2941.90 | 95  | 63.43 - 73.54   |
| HO  | 4035.64 - 4590.53 | 95  | 100.89 - 114.76 |
| HO+ | 4600.97 - 5233.59 | 95  | 115.02 - 130.83 |

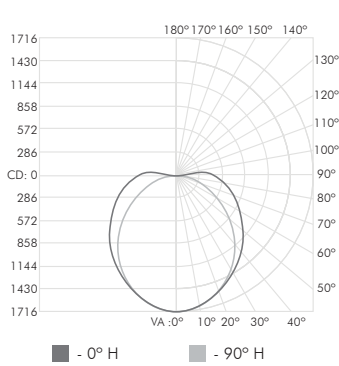
| Power Consumption | Max Run Lengths  |
|-------------------|------------------|
| 120-277V AC 40W   | 120-277V AC 80ft |

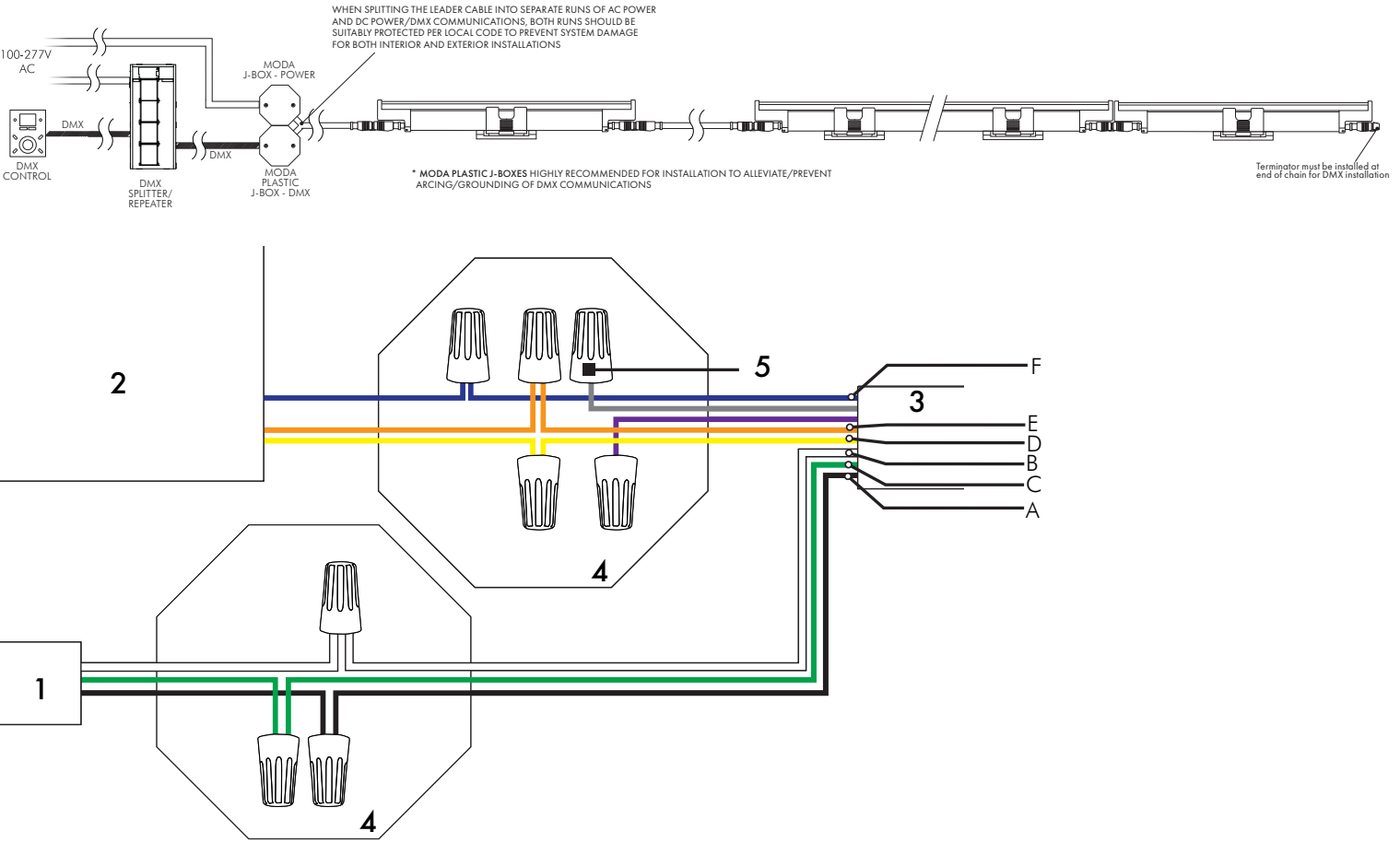
Illuminance at a Distance

|         | Center Beam FC | Beam Width      |
|---------|----------------|-----------------|
| 2.0 ft  | 422.84 fc      | 8.9 ft 5.6 ft   |
| 4.0 ft  | 105.71 fc      | 18.1 ft 11.3 ft |
| 6.0 ft  | 52.85 fc       | 27.0 ft 16.9 ft |
| 8.0 ft  | 26.42 fc       | 36.1 ft 22.5 ft |
| 10.0 ft | 13.21 fc       | 45.1 ft 28.2 ft |
| 12.0 ft | 10.57 fc       | 54.1 ft 33.8 ft |

■ Vert. Spread: 200°      ▲ Horiz. Spread: 120°

Polar Candela Distribution





Wiring Legend

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

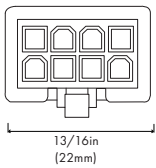
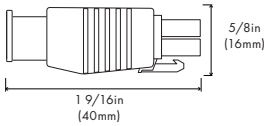
8 Pin Leader Cable

|                     | 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    |

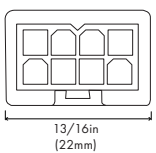
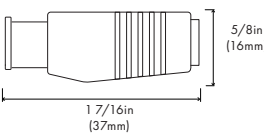
\*Not illustrated

DMX Connectors

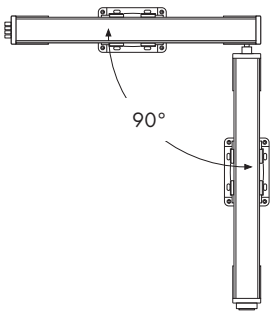
Male



Female



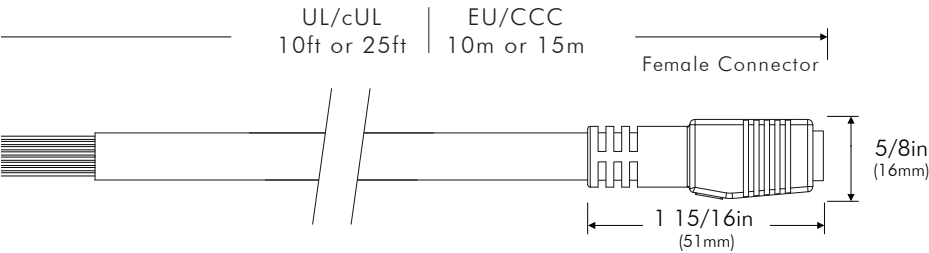
Angle Adjustment



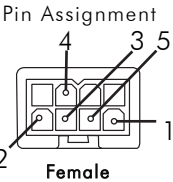
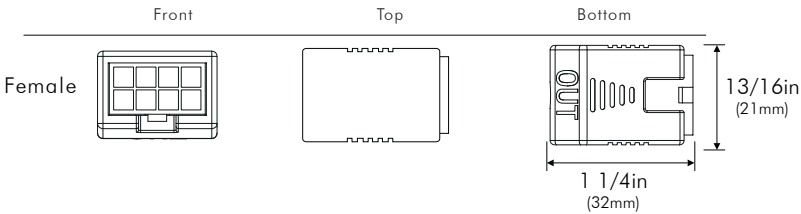
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

|         | UL/cUL        | EU/CCC     |
|---------|---------------|------------|
| Lengths | 10ft and 25ft | 3m and 10m |
| Color   | Gray          | Gray       |



Connectors

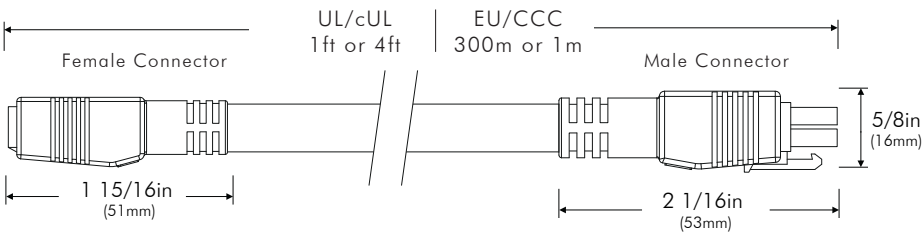


|                 | UL/cUL | EU/CCC       |
|-----------------|--------|--------------|
| 1 Live 100-277V | Black  | Brown        |
| 2 Neutral       | White  | Blue         |
| 3 Ground        | Green  | Green/Yellow |
| 4 DMX Positive  | Orange | Orange       |
| 5 DMX Negative  | Yellow | Yellow 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

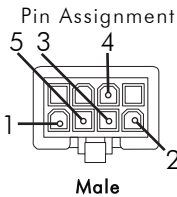
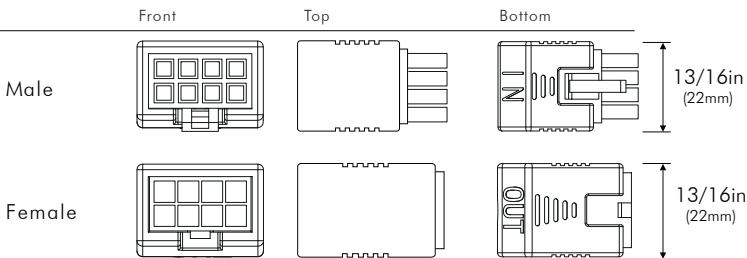
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

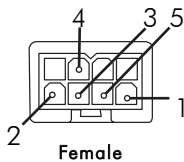
|         | UL/cUL      | EU/CCC       |
|---------|-------------|--------------|
| Lengths | 1ft and 4ft | 300mm and 1m |
| Color   | Gray        | Gray         |



Connectors



|                 | 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       |

| FIXTURE |   | ORDERING SKU       |
|---------|---|--------------------|
| 1 FT    | Moda Cove Interior Standard Output Silver DMX512 Dynamic Warm White 1800K-3000K HCRI 1FT  | MCI-SO-S1-S-DWW-1  |
|         | Moda Cove Interior High Output Silver DMX512 Dynamic Warm White 2200K-3000K HCRI 1FT      | MCI-HO-S1-S-DWW-1  |
|         | Moda Cove Interior High Output Plus Silver DMX512 Dynamic Warm White 1800K-3000K HCRI 1FT | MCI-HOP-S1-S-DWW-1 |
| 4 FT    | Moda Cove Interior Standard Output Silver DMX512 Dynamic Warm White 1800K-3000K HCRI 4FT  | MCI-SO-S1-S-DWW-4  |
|         | Moda Cove Interior High Output Silver DMX512 Dynamic Warm White 2200K-3000K HCRI 4FT      | MCI-HO-S1-S-DWW-4  |
|         | Moda Cove Interior High Output Plus Silver DMX512 Dynamic Warm White 1800K-3000K HCRI 4FT | MCI-HOP-S1-S-DWW-4 |

| ACCESSORIES                 | DESCRIPTION                                      | ORDERING 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 10M   | Power to first fixture of run                    | MLCI-EU-8PIN-G-10M   |
| 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 installation | MCGI-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)<br>MTCH-S1-W (White) | MTCH-S1-B<br>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     |