

Project Name: _____ SKU: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____



Miniature Line Voltage Cove Fixture.

MODA MINI COVE GLOWDIM INTERIOR is an award winning, patented, miniature line voltage cove lighting system. MODA GLOWDIM TECHNOLOGY enabled fixtures when wired to a 0-10V dimmer to transition at 100% from 2700K down to 1800K, or 3500K down to 2200K, when dimmed. Generally called "Dim to Warm" this feature strongly resembles incandescent illumination and transforms restaurants, bars and any hospitality location creating moods and warm environments. GLOWDIM utilizes MODA's high standard for perfect and precise illumination, with custom firmware programmed onto our microprocessors.

GLOWDIM is much more than "Dim to Warm". Fixtures that are called Dim to Warm all behave differently. Some can dim and turn orange. Some do not even dim much. Others you can see the transition steps. The majority just do a color adjustment and can only dim as low as 10%. This creates a flash effect when they are turned on. GLOWDIM does exactly what the name says. The MODA Microprocessor makes thousands of calculations so that the fixture gradually reduces its CCT and decreases its intensity creating a smooth dim from incandescent illumination down to true low intensity candle light. It is this reason we called this technology MODA GLOWDIM TECHNOLOGY and probably why it won the prestigious Product Innovation Award (PIA) 2017 for components and Light Sources.

Unlike other fixtures which are much larger in physical size, MINI COVE utilizes the latest Advanced MODA Design and Electronic Engineering, ensuring fixtures are cool to the touch. This is achieved by designing a forward thinking fixture with intelligent driver technology and by under driving the most advanced LEDs in the World. Thus creating a fixture which is so cool it can be held after days of illumination. The L70 (longevity) of the fixture is extended and phosphor degradation kept to a minimum.

The Onboard American Microprocessor, programmed by our MODA Software Division with new Advanced Firmware ensures MINI COVE delivers smooth, no noise, flicker free and synchronized GLOWDIM dimming down to 0%. The actual dimming minimum value is dependent upon the dimmer selected. Unlike other fixtures in the marketplace there is no need to purchase additional adapters, converters, dimming boxes or control modules, just use conventional 0-10V wiring direct from the dimmer to create a powerful and dynamic lighting system, saving time and money. Link any combination of 1ft or 4ft fixtures and every fixture will dim to warm together, smoothly, synchronized from 100% to 0%. With no minimum run lengths required, just one 1ft fixture will dim seamlessly.

With MINI COVE the installer is able to achieve long single runs of up to 160 feet decreasing the number of wiring circuits required in an installation. Another step forward in this category of small sized fixtures is the Universal power input. We designed a small MODA Micro Driver specific for MINI COVE enabling it to accept 100-277V AC 50/60Hz, thus decreasing the number of SKU's needed to be held by any of our Worldwide distributors and giving the installer a choice of power inputs from one fixture.

With the ability to mix our own phosphors we are able to make a revolutionary new standard for MODA offering a High Color Rendering Index of 96-98 with LEDs centered on The Planckian Locus for superior illumination. R1-R15 tested to TM30-15 with values in excess of 90, creating beautiful cove illumination. Single binning means every fixture will have the same CCT - something that MODA has been doing since 2006. A specialized curved polymer optical lens combined with a cleverly designed Light Chamber delivers a light bending, smooth 200 degree beam pattern perfect for cove installations with no color over angle, no striations, inter locking fields of light and no dark spots.

The fixture incorporates an integral, patented, toolless self-locking bracket which slides into any position and turns 170 degrees. Built-in male & female connectors with thumb latch connections for fast installation time. Lightweight aluminum construction for durability and excellent thermal characteristics. Quality American Made electronic components. Available in 1ft and 4ft sections.

Tested by Intertek to UL1598 for use in USA & Canada. CE Approved. WEE. RoHS Compliant. TM-30-15 Tested. US Patent No. D787,112 and D783,890.

Product Innovation Award (PIA) 2017 for Components and Light Sources. Product Innovation Award (PIA) Winner 2016 for Best Luminaire. LFI Innovation Award 2017 Finalist for Dynamic Color, Theatrical, Cove, Strips and Tape. Lux Award Commended for Interior Product of the Year 2016. Darc Awards Finalist for Best Architectural Lighting Product - Interior Luminaires 2016. International Design Excellence Award for Innovative Product Design Finalist 2016.

Designed & Developed by MODA LIGHT in Las Vegas, USA.

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.

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PHYSICAL

| | |
|-----------------------|---|
| Dimensions | L: 1ft 3/32in (307.46mm)W: 1 1/4in (32mm) L: 4ft 1/8in (1.22m) H: 1 11/32in (34.5mm) |
| Weights | 1ft: 0.21 lbs (0.10 kg) 4ft: 0.38 lbs (0.17kg) |
| Applications | Cove, Accent & Indirect General Illumination |
| Construction | 6063 Aluminum Body, Polycarbonate Self-Locking Mounting Bracket and Optical Lens |
| Ingress Protection | Dry/Damp Location IP52 |
| Thermal Management | MODA Aluminum Heat Sink |
| Beam Angle | 200° |
| Fixture Connections | Integral Male & Female Connectors |
| Operating Temperature | -4°F ~ 149°F (-20°C ~ 65°C) |
| Storage Temperature | -13°F ~ 158°F (-25°C ~ 70°C) |
| Humidity | 20-70% Non Condensing |

OUTPUT

| | |
|---------------------|--|
| CCT | 2700K to 1800K 3500K to 2200K |
| SDCM | 2 Step MacAdam Ellipse |
| Color Bin Tolerance | Zero Bin |
| CRI | 98 |
| 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 | 0-10V |
| Power Factor | ≥ 0.98 |

MODA TECHNOLOGY

moda**SOFTWARE**™

moda**HARDWARE**™

moda**DIM**™

moda**LED**™

moda**MICRO DRIVER**™

moda**PHOSPHOR**™

moda**ZERO BIN**™

moda**THERMAL MANAGEMENT**™

moda**GLOWDIM**™

moda**AIRFLOW**™

moda**COLOR RENDITION**™

moda**LOCK**™

moda**KWIK CONNECT**™



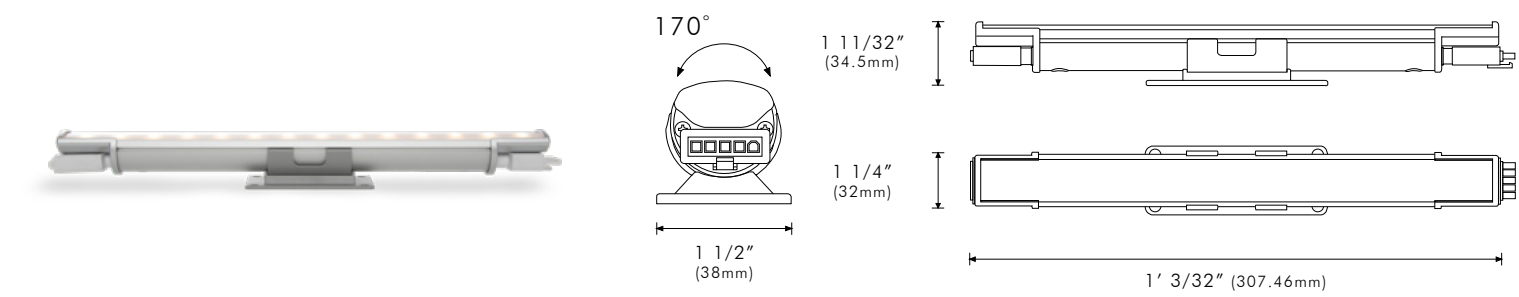
RoHS ✓



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 5 Year Limited Warranty



0-10V

| Standard Output | Lumens | CRI | Efficacy (120V) | Efficacy (240V) | Efficacy (277V) |
|-----------------|--------|-----|--------------------|--------------------|--------------------|
| 2700K - 1800K | 448.00 | 98 | 89.48 | 68.83 | 68.83 |
| 3500K - 2200K | 489.00 | 98 | 97.80 | 75.23 | 75.23 |

SO Power Consumption

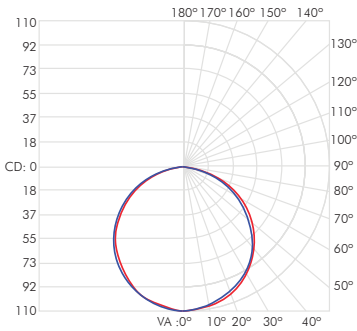
| | |
|------|------|
| 120V | 5W |
| 240V | 6.5W |
| 277V | 6.5W |

SO Max Continuous Run

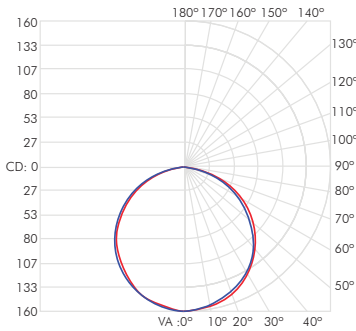
| | |
|---------|--------|
| 120V AC | 120 ft |
| 240V AC | 240 ft |
| 277V AC | 240 ft |

POLAR CANDELA DISTRIBUTION

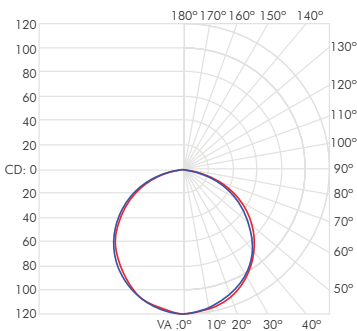
SO 1800K



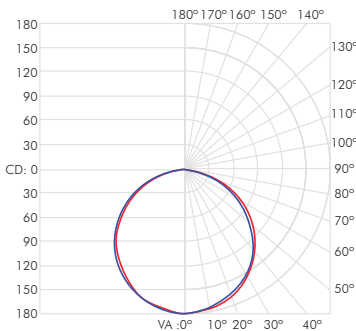
SO 2700K



SO 2200K

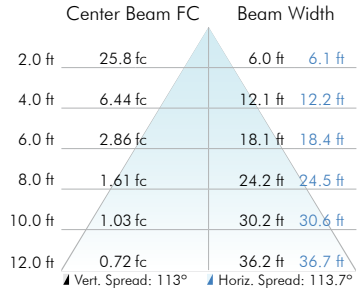


SO 3500K

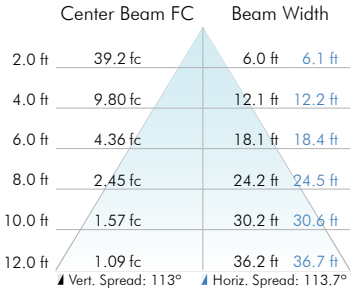


ILLUMINANCE AT A DISTANCE

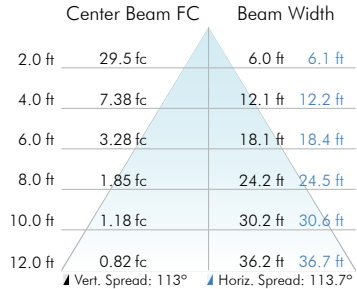
SO 1800K



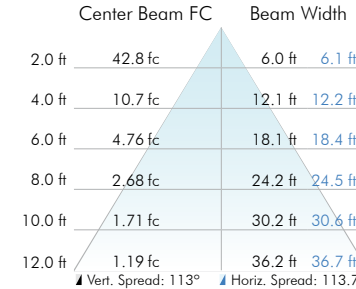
SO 2700K

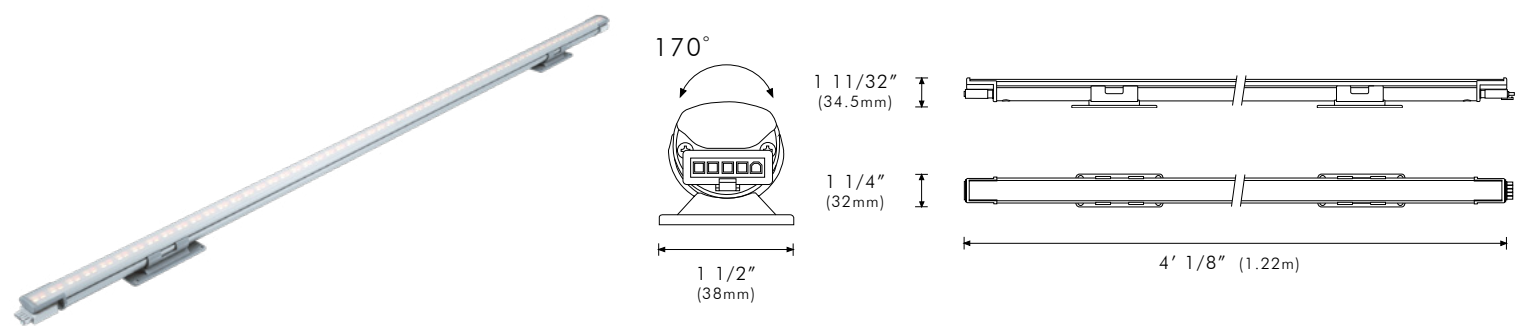


SO 2200K



SO 3500K





0-10V

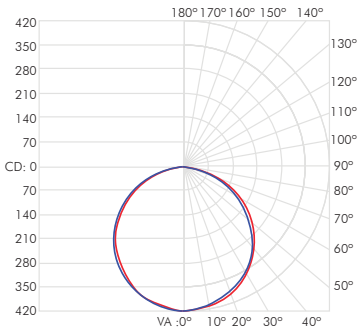
| Standard Output | Lumens | CRI | Efficacy (120V) | Efficacy (240V) | Efficacy (277V) |
|-----------------|--------|-----|--------------------|--------------------|--------------------|
| 2700K - 1800K | 1779 | 98 | 93.63 | 88.95 | 88.95 |
| 3500K - 2200K | 1891 | 98 | 99.52 | 94.55 | 94.55 |

| SO Power Consumption | |
|----------------------|-----|
| 120V | 19W |
| 240V | 20W |
| 277V | 20W |

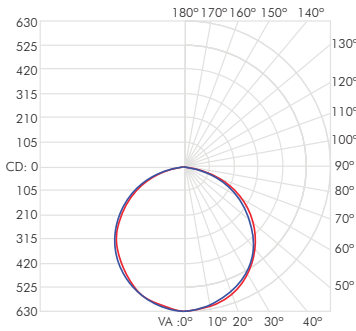
| SO Max Continuous Run | |
|-----------------------|--------|
| 120V AC | 120 ft |
| 240V AC | 240 ft |
| 277V AC | 240 ft |

POLAR CANDELA DISTRIBUTION

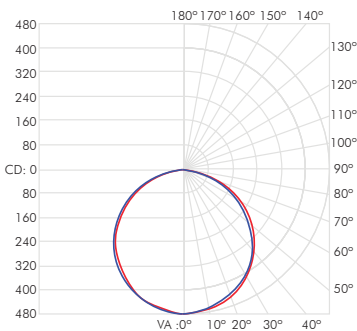
SO 1800K



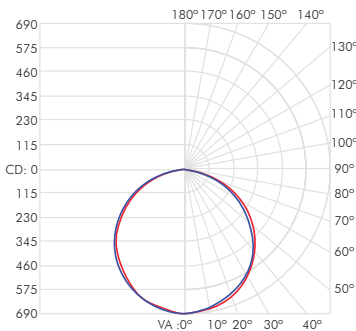
SO 2700K



SO 2200K

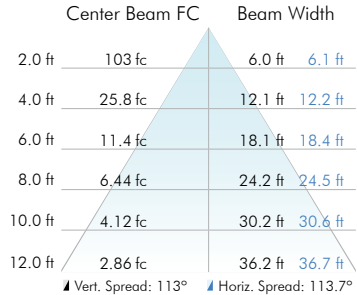


SO 3500K

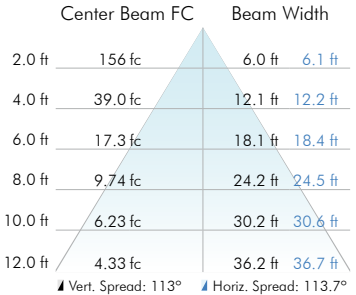


1 FOOT ILLUMINANCE AT A DISTANCE

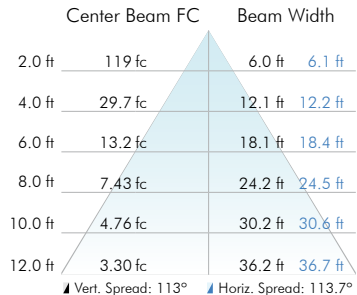
SO 1800K



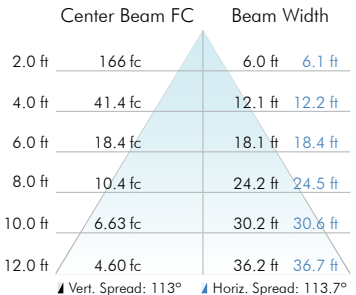
SO 2700K



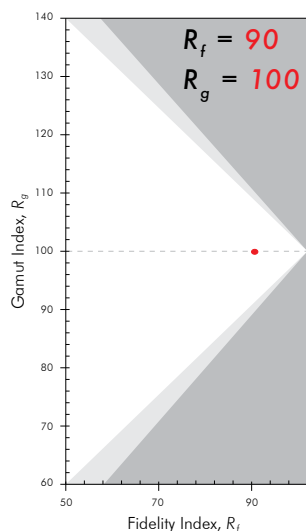
SO 2200K



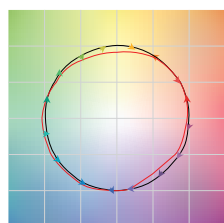
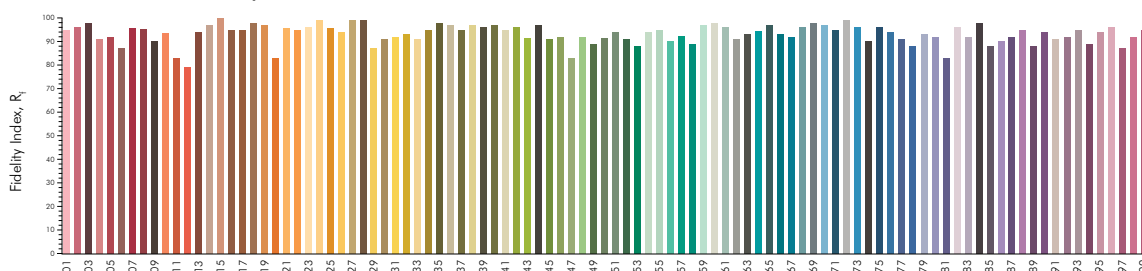
SO 3500K



1800K TM30



Color Evaluation Sample

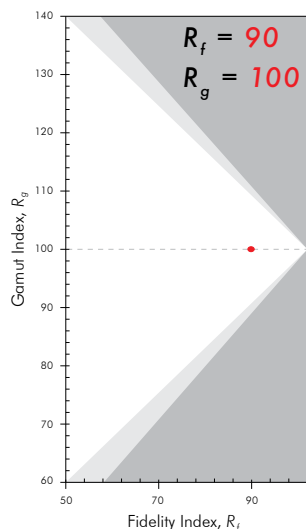


Color
Vector
Graphic

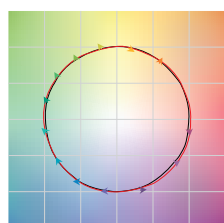
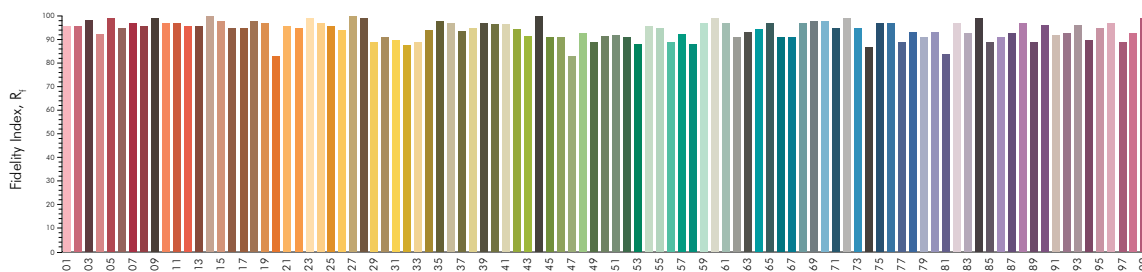


Color
Distortion
Graphic

2200K TM30



Color Evaluation Sample

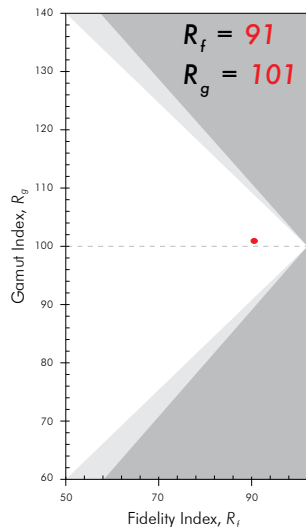


Color
Vector
Graphic

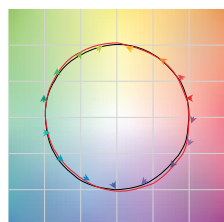
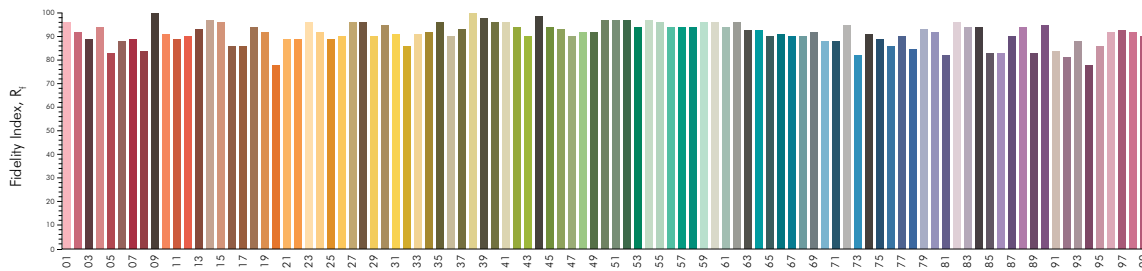


Color
Distortion
Graphic

2700K TM30



Color Evaluation Sample

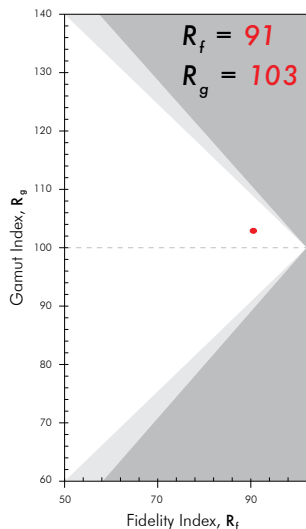


Color
Vector
Graphic

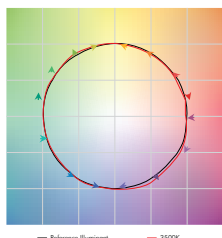
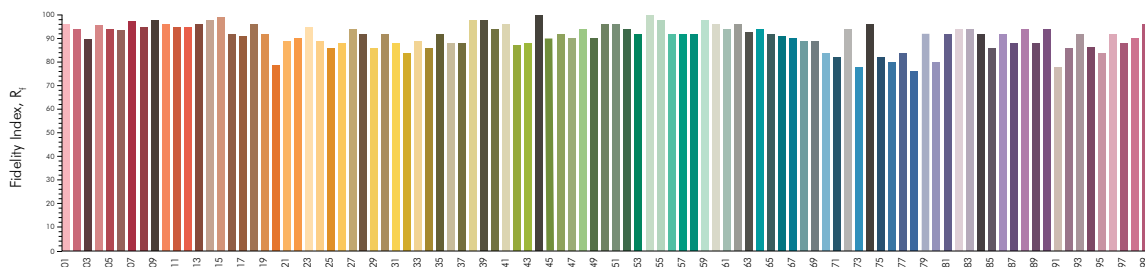


Color
Distortion
Graphic

3500K TM30



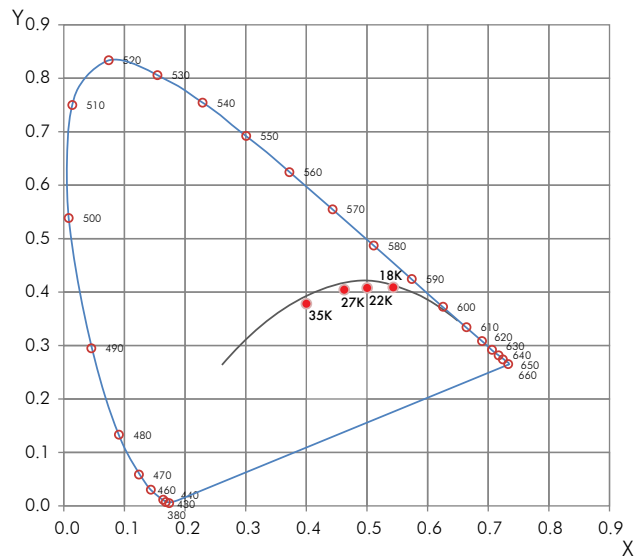
Color Evaluation Sample



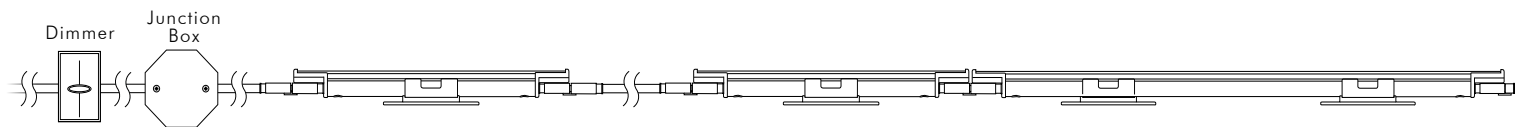
R VALUES

| | 1800K | 2200K | 2700K | 3500K |
|-----|-------|-------|-------|-------|
| R1 | 98 | 97 | 99 | 99 |
| R2 | 99 | 98 | 99 | 99 |
| R3 | 97 | 97 | 97 | 97 |
| R4 | 98 | 94 | 99 | 99 |
| R5 | 96 | 96 | 99 | 99 |
| R6 | 96 | 94 | 97 | 97 |
| R7 | 95 | 97 | 97 | 97 |
| R8 | 94 | 97 | 95 | 95 |
| R9 | 93 | 93 | 93 | 93 |
| R10 | 97 | 98 | 98 | 98 |
| R11 | 97 | 90 | 97 | 97 |
| R12 | 88 | 92 | 87 | 87 |
| R13 | 98 | 97 | 99 | 99 |
| R14 | 95 | 96 | 97 | 97 |
| R15 | 97 | 99 | 98 | 98 |

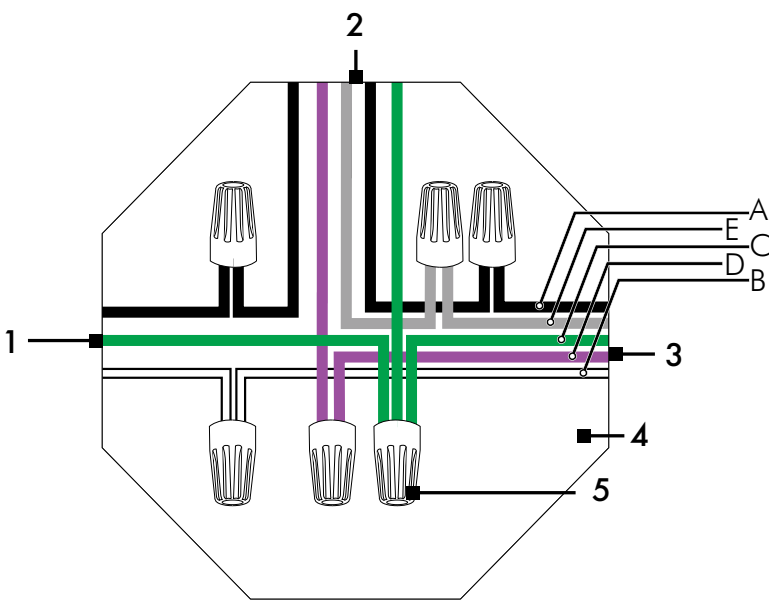
CIE 1931 CHROMATICITY DIAGRAM



| CCT | Coordinates |
|-------|---|
| 1800K | x: 0.5426 y: 0.4092 u: 0.3012 v: 0.5428 |
| 2200K | x: 0.5043 y: 0.4090 u: 0.2924 v: 0.5353 |
| 2700K | x: 0.4563 y: 0.4048 u: 0.2628 v: 0.5246 |
| 3500K | x: 0.4085 y: 0.3875 u: 0.2391 v: 0.5104 |













UL / cUL Dimming



Wiring Legend

| | |
|---|--------------------|
| 1 | Power 100-277V AC |
| 2 | 0-10V Dimmer |
| 3 | 5 Pin Leader Cable |
| 4 | Junction Box |
| 5 | Wiring Nuts |

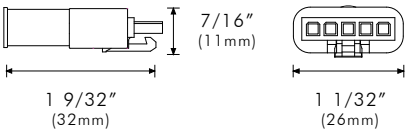
5 Pin Leader Cable

| | | UL/cUL | CE/CCC* |
|---|---------------|--|--|
| A | Live 100-277V |  Black |  Brown |
| B | Neutral |  White |  Blue |
| C | Ground |  Green |  Green/ Yellow |
| D | Data Positive |  Purple |  Black |
| E | Data Negative |  Gray |  Gray |

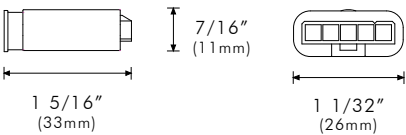
*Not illustrated

0-10V Connectors

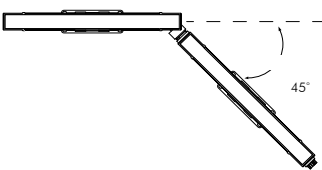
Male Output



Female Output

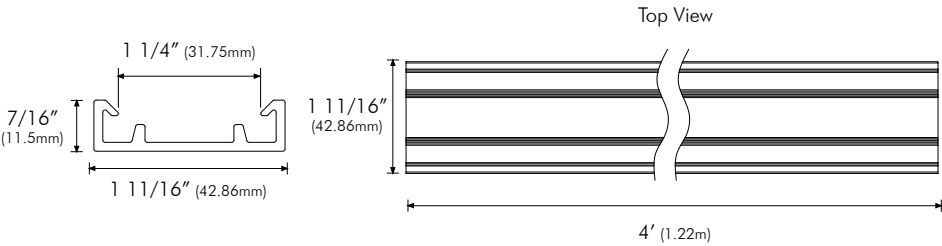
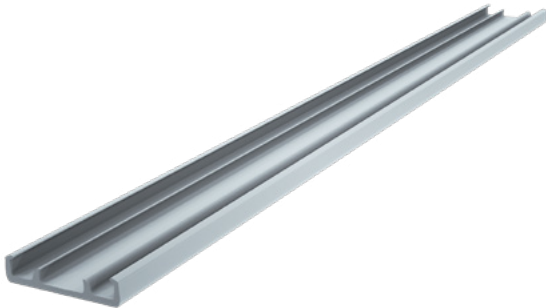


Angle Adjustment



Compatible Dimmers

Grafik Eye QS with Grafik Eye GRX-TVI
Legrand CD4FBLW
Legrand LMRC-111
Leviton IP710-DL
Lutron Skylark SLV-600P



MODA MINI COVE MOUNTING TRACK

Mounting Mini Cove.

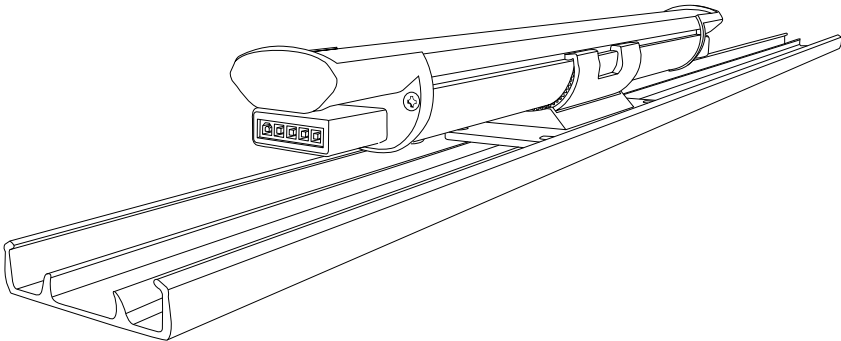
Allows users to install Moda Mini Cove fixtures in a continuous linear position. Moda Mini Cove Mounting Tracks come packaged in 5 pieces of 4ft sections to create a continuous run of 20ft.

Options

| | |
|----------|-------------------|
| Finish | G - Gray |
| Length | 4ft - 4' Sections |
| Quantity | 5 Pieces (20ft) |

Physical

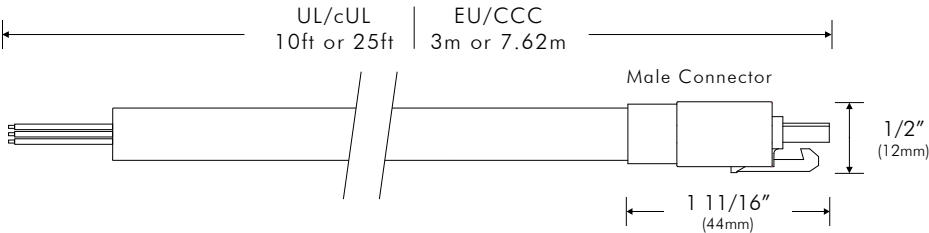
| | |
|--------------|---------------|
| Applications | Cove, Accent |
| Construction | Polycarbonate |



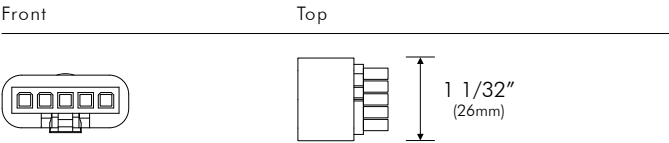
0-10V LEADER CABLES

Moda Mini Cove Interior 5 Pin Leader Cables

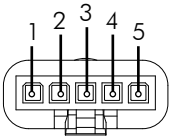
| | UL/cUL | EU/CCC |
|---------|---------------|--------------|
| Lengths | 10ft and 25ft | 3m and 7.62m |
| Color | White | White |



Male Connector



Pin Assignment

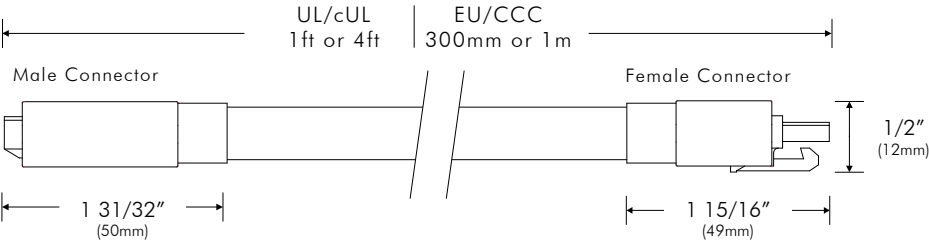


| | | UL/cUL | EU/CCC |
|---|---------------|--------|------------------|
| 1 | Live 100-277V | Black | Brown |
| 2 | Neutral | White | Blue |
| 3 | Ground | Green | Green/ Yellow |
| 4 | Data Positive | Purple | Black |
| 5 | Data Negative | Gray | Gray |

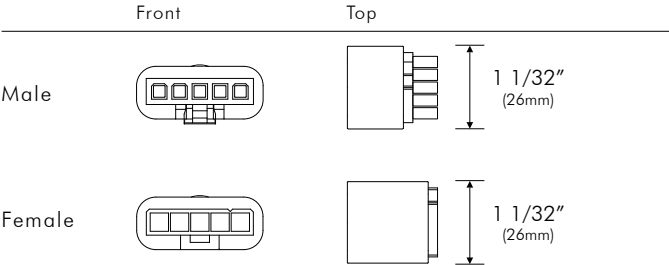
0-10V JUMPER CABLES

Moda Mini Cove Interior 5 Pin Jumper Cables

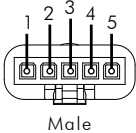
| | UL/cUL | EU/CCC |
|---------|-------------|--------------|
| Lengths | 1ft and 4ft | 300mm and 1m |
| Color | White | White |



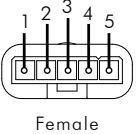
Connectors



Pin Assignment



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



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

| FIXTURES | | ORDERING NUMBER | PART NUMBER |
|--------------|---|---------------------|-------------|
| 0-10V 1FT | Moda Mini Cove Interior Glowdim Standard Output Silver 0-10V Dimming 2700K-1800K HCRI 1FT | MMCI-S-S-0-GD2718-1 | 097-1002 |
| | Moda Mini Cove Interior Glowdim Standard Output Silver 0-10V Dimming 3500K-2200K HCRI 1FT | MMCI-S-S-0-GD3522-1 | 097-1025 |
| 0-10V 4FT | Moda Mini Cove Interior Glowdim Standard Output Silver 0-10V Dimming 2700K-1800K HCRI 4FT | MMCI-S-S-0-GD2718-4 | 097-3002 |
| | Moda Mini Cove Interior Glowdim Standard Output Silver 0-10V Dimming 3500K-2200K HCRI 4FT | MMCI-S-S-0-GD3522-4 | 097-3025 |

| ACCESSORIES | DESCRIPTION | ORDERING NUMBER | PART NUMBER |
|-----------------------------|--|----------------------|-------------|
| Leader Cable US 5 Pin 10ft | Power to first fixture of run | MLCI-US-5PIN-W-10FT | 299-0100 |
| Leader Cable US 5 Pin 25ft | Power to first fixture of run | MLCI-US-5PIN-W-25FT | 299-0102 |
| Jumper Cable US 5 Pin 1ft | Connection between fixtures | MJCI-US-5PIN-W-1FT | 299-1100 |
| Jumper Cable US 5 Pin 4ft | Connection between fixtures | MJCI-US-5PIN-W-4FT | 299-1102 |
| Leader Cable EU 5 Pin 3m | Power to first fixture of run | MLCI-EU-5PIN-W-3M | 299-0101 |
| Leader Cable EU 5 Pin 7.62m | Power to first fixture of run | MLCI-EU-5PIN-W-7.62M | 299-0103 |
| Jumper Cable EU 5 Pin 300mm | Connection between fixtures | MJCI-EU-5PIN-W-300MM | 299-1101 |
| Jumper Cable EU 5 Pin 1m | Connection between fixtures | MJCI-EU-5PIN-W-1M | 299-1103 |
| Terminator 5 Pin | Must be fixed to last fixture for safety | MTI-5PIN-W | 299-2100 |
| Mounting Track | Allows user to install fixtures in a continuous linear position. Packaged in 5 4ft sections in total of 20ft. | MMC-20-TRACK-1-S1-G | 299-3200 |