

Client: \_\_\_\_\_ Project Name: \_\_\_\_\_  
MODA Contact: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
SKU: \_\_\_\_\_ Type: \_\_\_\_\_ PO#: \_\_\_\_\_ Quantity: \_\_\_\_\_  
Notes: \_\_\_\_\_



### Miniature Line Voltage Cove Fixture.

MODA NANO COVE is a patented and award-winning micro-sized, line-voltage, cove lighting system. This new cove fixture, with a futuristic ergonomic design and white high gloss finish, stands at just 1" tall (25mm) and comes in both 1' and 4' lengths. What is now the smallest and lightest cove fixture in our line, Nano Cove fits in the most confined spaces for discreet cove, alcove, and niche illumination, but looks are often deceptive. Utilizing our very own MODA LEDs, this fixture renders colors with the same performance as its larger MINI COVE cousin with CRIs, R1-R15, and TM30 values in the high 90s. Colors are seen with clarity across the white light spectrum regardless of your choice of color temperature. 2700K is an excellent example of incandescent illumination. 3000K is perfect for almost all applications. 3500K is that perfect cross-over from warm to neutral and 4000K is that pure neutral color ideal for offices and commercial projects. Our LEDs, employing MODA Phosphor Technology, give us the freedom to no longer have to accept what large die manufactures make, but to make our very own dies exclusively for the Lighting Specification industry. The NANO COVE's Integral mounting feet can tilt 60 degrees for light control. Its wide 120 degree illumination design gives a wash of light, eliminating the need to worry about color over angle, hot spots, or any dark spots, even at each fixture connection. Cool running, this fixture delivers 350 lm/ft.

The NANO COVE allows quality and convenience with its easy, 3 wire connections, continuous runs of up to 240', and integral thumb-latch that allows for rapid, tool-less, simple plug and play installation. Plugs only fit one way, ensuring correct electrical connection every time. The MODA NANO COVE is double-insulated for electrical safety and works with most quality electronic low voltage dimmers and dimming systems. Even with the use of regular circuit breakers, you don't have to worry about inrush or surge issues. This fixture does not have a driver, yet it can dim with electronic low voltage (ELV) dimmers or dimming systems from 100-0% and synchronize dimming with all connected fixtures by utilizing a brand new power and onboard control system, our award winning MODA SYNERGY technology. MODA SYNERGY allows control of power to circuits to smoothly adjust the voltage to each die, creating smooth dimming curves smart and unique enough to win Product Innovation Award (PIA) Winner 2018 for Components. Add an ELV dimmer/dimming system for light control or, using our award-winning MODA BRIDGE 1, control this series with 0-10V controls. Unlike other fixtures in the marketplace there is no longer a need to purchase additional adapters, converters, dimming boxes or control modules, just use conventional wiring with an input of 120V direct from the dimming system to create a powerful lighting system, saving time and money.

MODA NANO COVE, small in stature and economically priced, is the future of cove illumination. American design with American made components. Tested by Intertek to UL1598 for use in USA & Canada. CE Approved. WEE. RoHS Compliant. TM-30-15 Tested. US Patent No. xxxxxxx.

Product Innovation Award (PIA) Winner 2017 for Best Luminaire. Technology Award for MODA SYNERGY - Product Innovation Award (PIA) Winner 2018 for Components. The LEDs used in this product won a Product Innovation Award (PIA) Winner 2018 for Components. Designed & Developed by MODA LIGHT in Las Vegas, USA

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## PHYSICAL

Dimensions	L: 1ft 17/32in(318.4mm) W: 1 1/2in(38mm) L: 4ft 17/32in (1.23m) H: 31/32in(24.7mm)
Weights	1ft: XX lbs (XX kg) 4ft: XX lbs (XX kg)
Applications	Cove, Accent & Indirect General Illumination
Construction	Polycarbonate Body, Self-Locking Mounting Bracket and Optical Lens
Ingress Protection	Dry Location IP20
Beam Angle	120°
Fixture Connections	Integral Male & Female Connectors
Operating Temperature	-40°F ~ 104°F (-20°C ~ 40°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

## OUTPUT

CCT	2700K, 3000K, 3500K, 4000K
SDCM	2 Step MacAdam Ellipse
Color Bin Tolerance	Zero Bin
CRI	90-95
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	120V AC 60Hz
Control	Electronic Low Voltage Reverse Phase Trailing Edge
Power Factor	≥0.95

## MODA TECHNOLOGY

moda**SOFTWARE**™

moda**HARDWARE**™

moda**DIM**™

moda**LED**™

moda**SYNERGY**™

moda**PHOSPHOR**™

moda**ZERO BIN**™

moda**HIGH CRI**™

moda**AIRFLOW**™

moda**COLOR RENDITION**™

moda**LOCK**™

moda**KWIK CONNECT**™

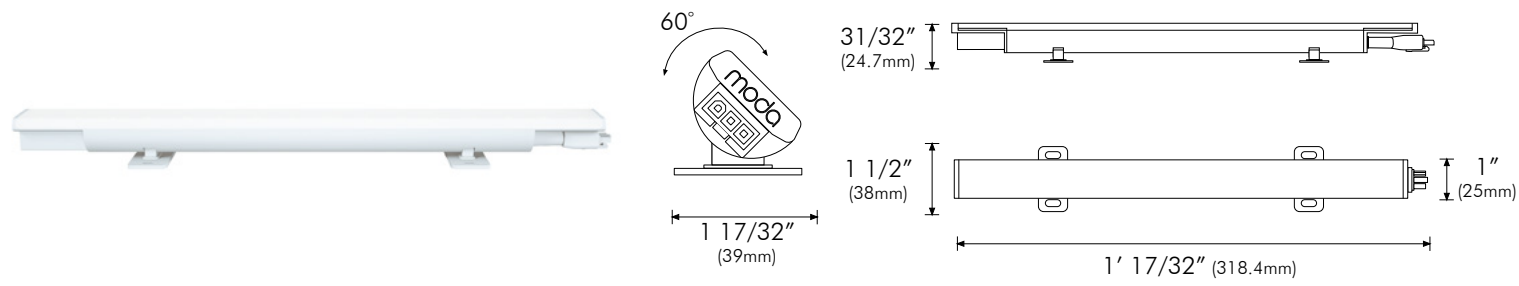
## STANDARDS & CERTIFICATIONS



**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** 10 Year Limited Warranty



ELV

Standard Output	Lumens	CRI	Efficacy (120V)
2700K	300	90	107
3000K	357	90	128
3500K	372	92	133
4000K	408	95	146

SO Power Consumption

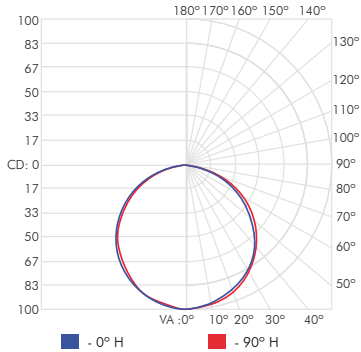
120V            2.9W

SO Max Continuous Run

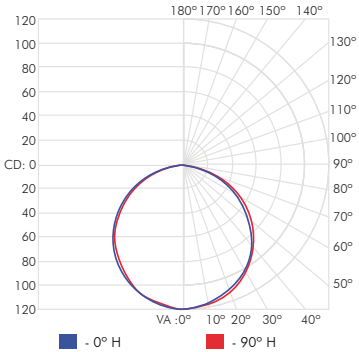
120V AC            240 ft

POLAR CANDELA DISTRIBUTION

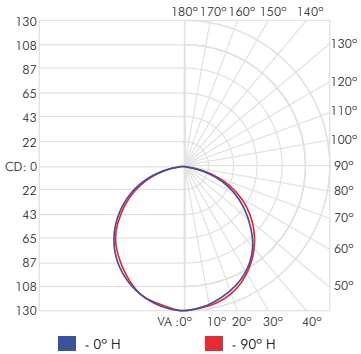
SO 2700K



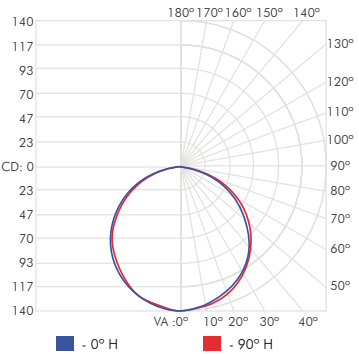
SO 3000K



SO 3500K

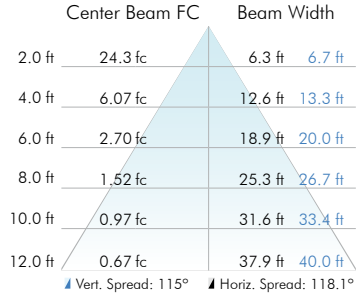


SO 4000K

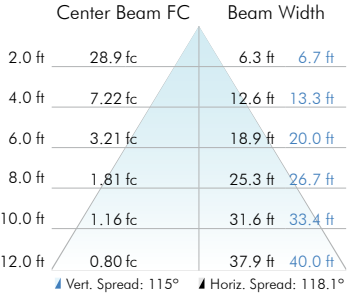


ILLUMINANCE AT A DISTANCE

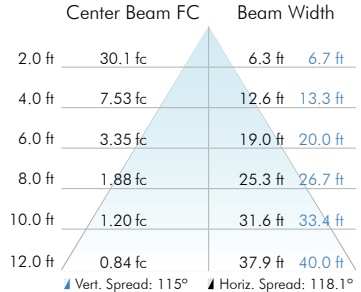
SO 2700K



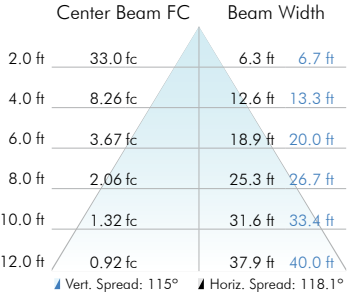
SO 3000K

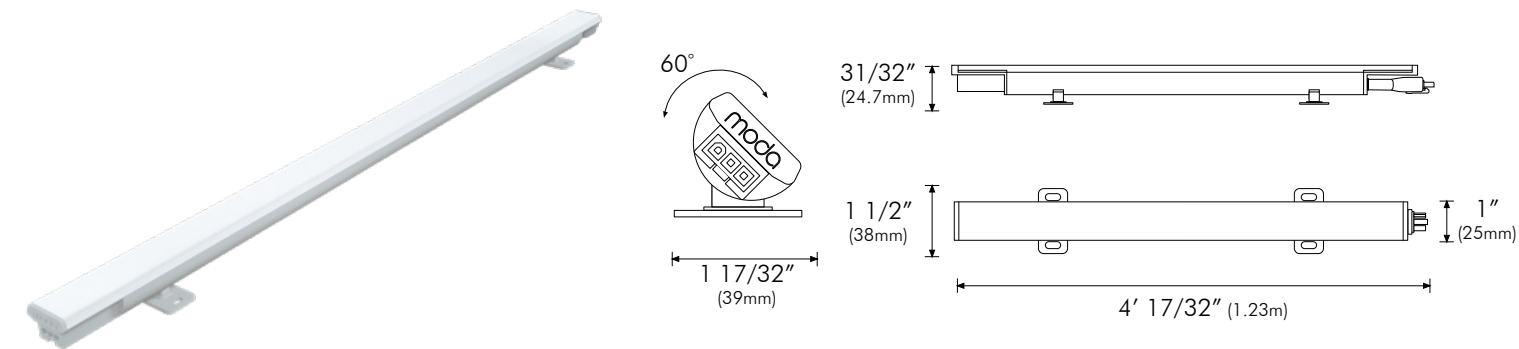


SO 3500K



SO 4000K





ELV

Standard Output	Lumens	CRI	Efficacy (120V)
2700K	600	90	51.72
3000K	714	90	61.37
3500K	744	92	64.13
4000K	816	95	70.34

SO Power Consumption

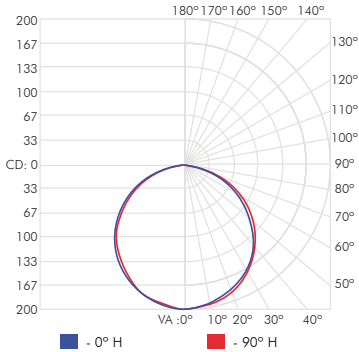
120V            12W

SO Max Continuous Run

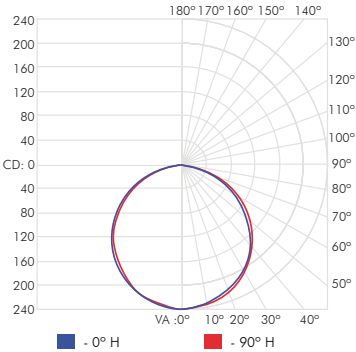
120V AC            240 ft

POLAR CANDELA DISTRIBUTION

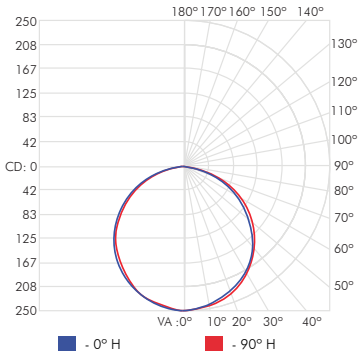
SO 2700K



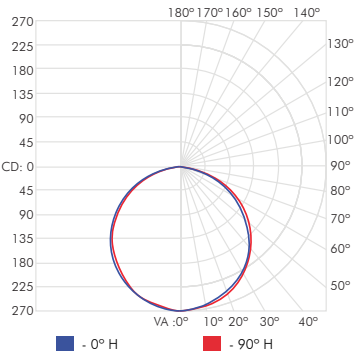
SO 3000K



SO 3500K

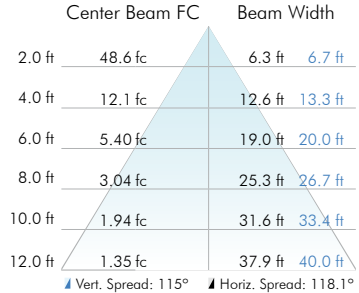


SO 4000K

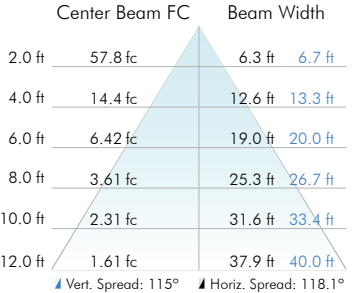


ILLUMINANCE AT A DISTANCE

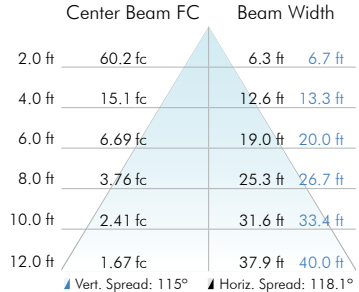
SO 2700K



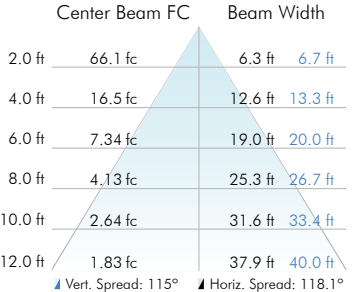
SO 3000K



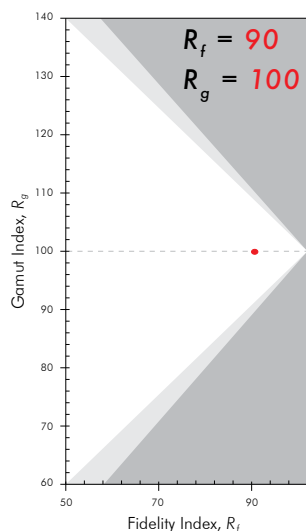
SO 3500K



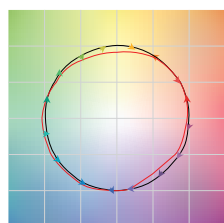
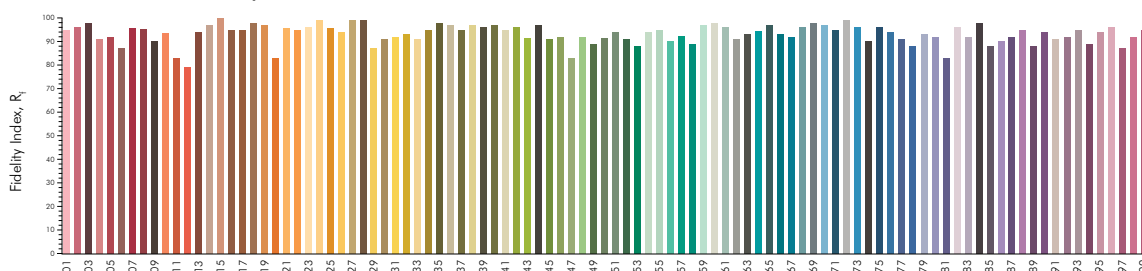
SO 4000K



### 2700K TM30



### Color Evaluation Sample

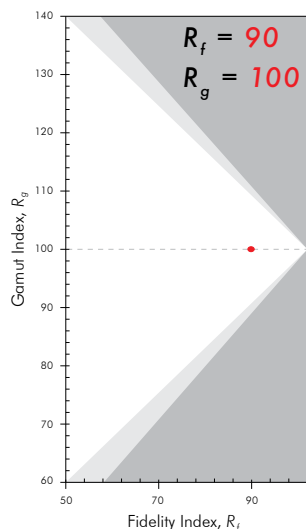


Color  
Vector  
Graphic

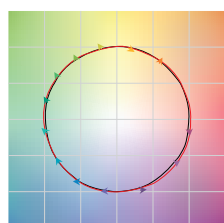
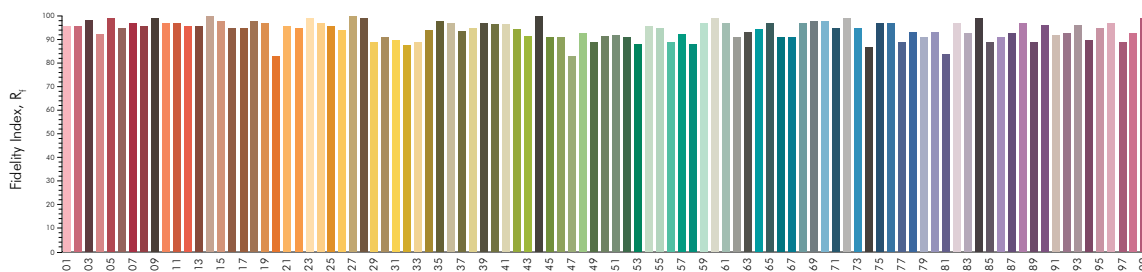


Color  
Distortion  
Graphic

### 3000K TM30



### Color Evaluation Sample

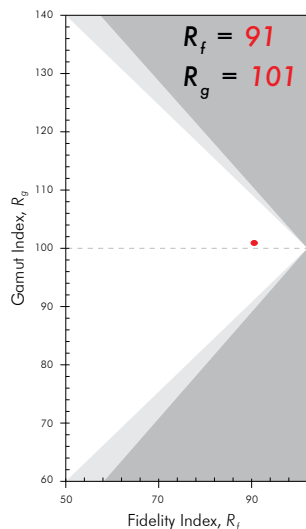


Color  
Vector  
Graphic

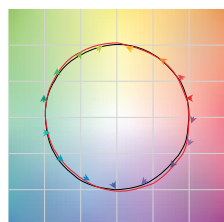
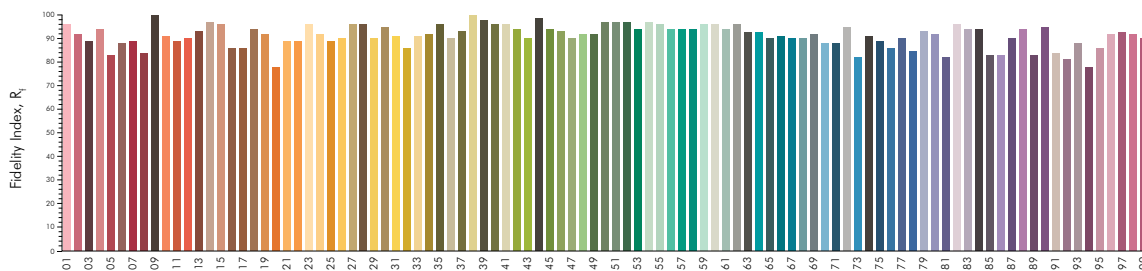


Color  
Distortion  
Graphic

### 3500K TM30



### Color Evaluation Sample



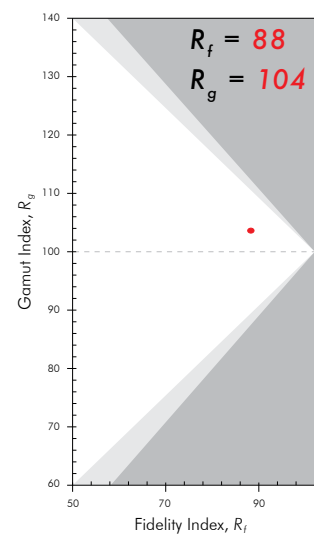
Color  
Vector  
Graphic



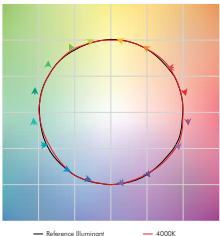
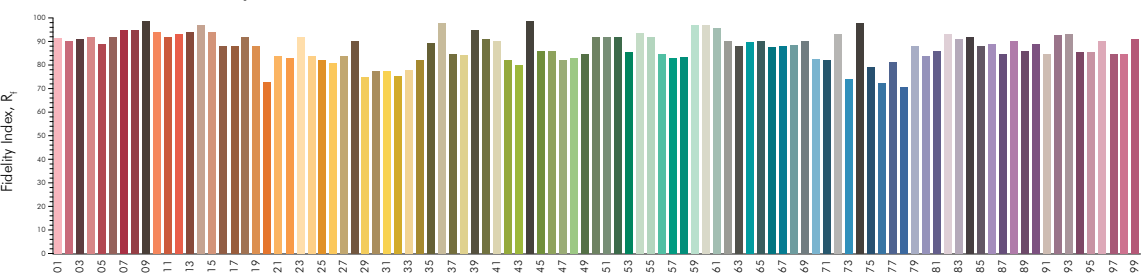
Color  
Distortion  
Graphic



4000K TM30



Color Evaluation Sample



Color  
Vector  
Graphic

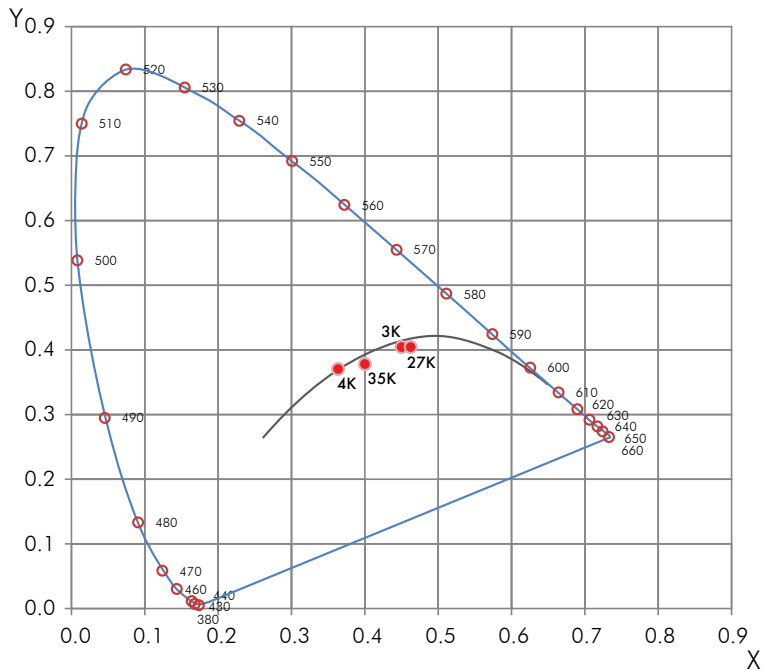


Color  
Distortion  
Graphic

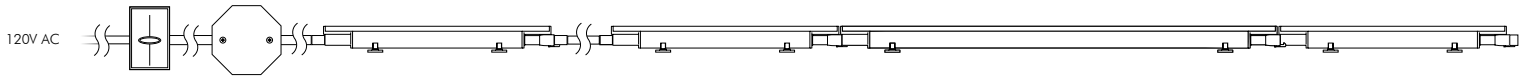
R VALUES

	2700K	3000K	3500K	4000K
R1	98	97	99	98
R2	99	98	99	98
R3	97	97	97	95
R4	98	94	99	98
R5	96	96	99	97
R6	96	94	97	96
R7	95	97	97	97
R8	94	97	95	94
R9	93	93	93	91
R10	97	98	98	92
R11	97	90	97	97
R12	88	92	87	83
R13	98	97	99	98
R14	95	96	97	96
R15	97	99	98	96

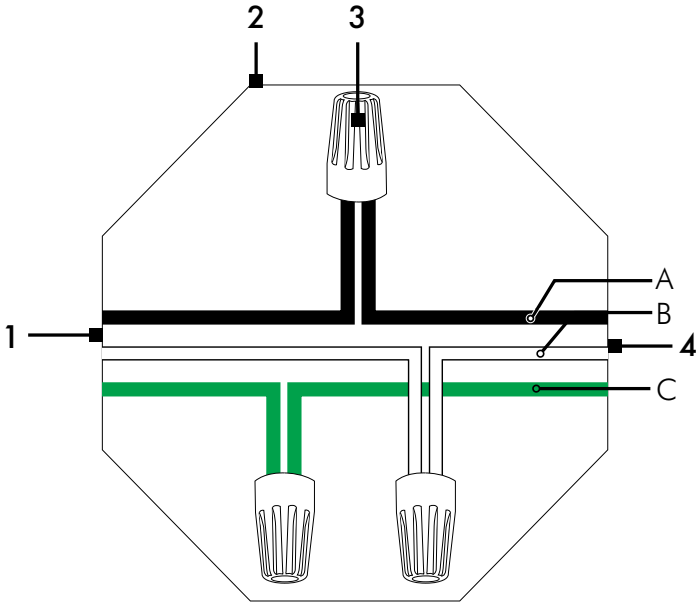
CIE 1931 CHROMATICITY DIAGRAM



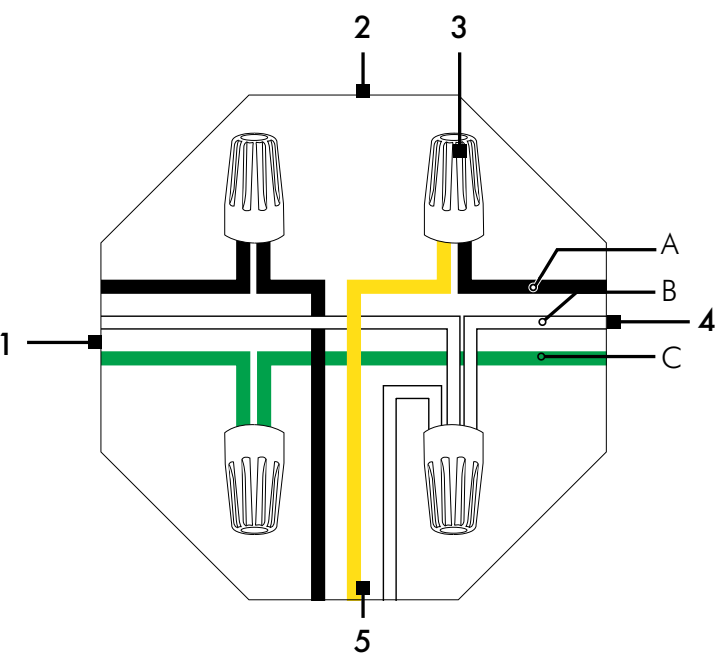
CCT	Coordinates
2700K	x: 0.4563 y: 0.4048 u: 0.2628 v: 0.5246
3000K	x: 0.4373 y: 0.4044 u: 0.2507 v: 0.5216
3500K	x: 0.4085 y: 0.3875 u: 0.2391 v: 0.5104
4000K	x: 0.3797 y: 0.3730 u: 0.2240 v: 0.4952



UL / cUL Non-dimming



UL / cUL ELV Dimming



Wiring Legend

1	Live 120V AC
2	Junction Box
3	Wiring Nuts
4	3 Pin Leader Cable
5	ELV Dimmer

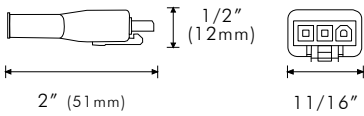
3 Pin Leader Cable

	UL/cUL	CE/CCC*
A Live 120V AC	Black	Brown
B Neutral	White	Blue
C Ground	Green	Green/ Yellow

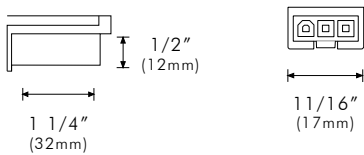
\*Not illustrated

ELV Connectors

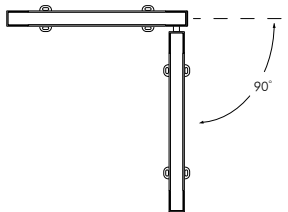
Male Output



Female Output

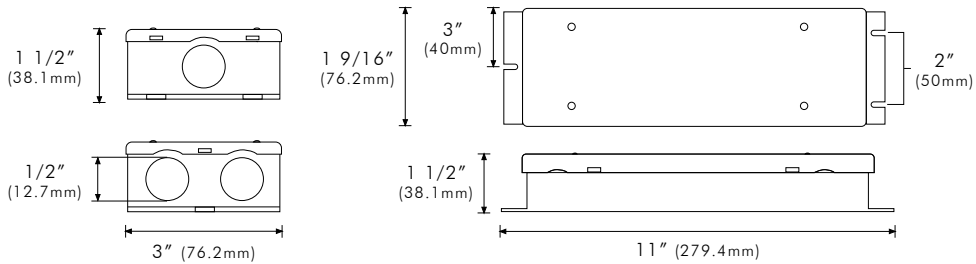


Angle Adjustment



Compatible Dimmers

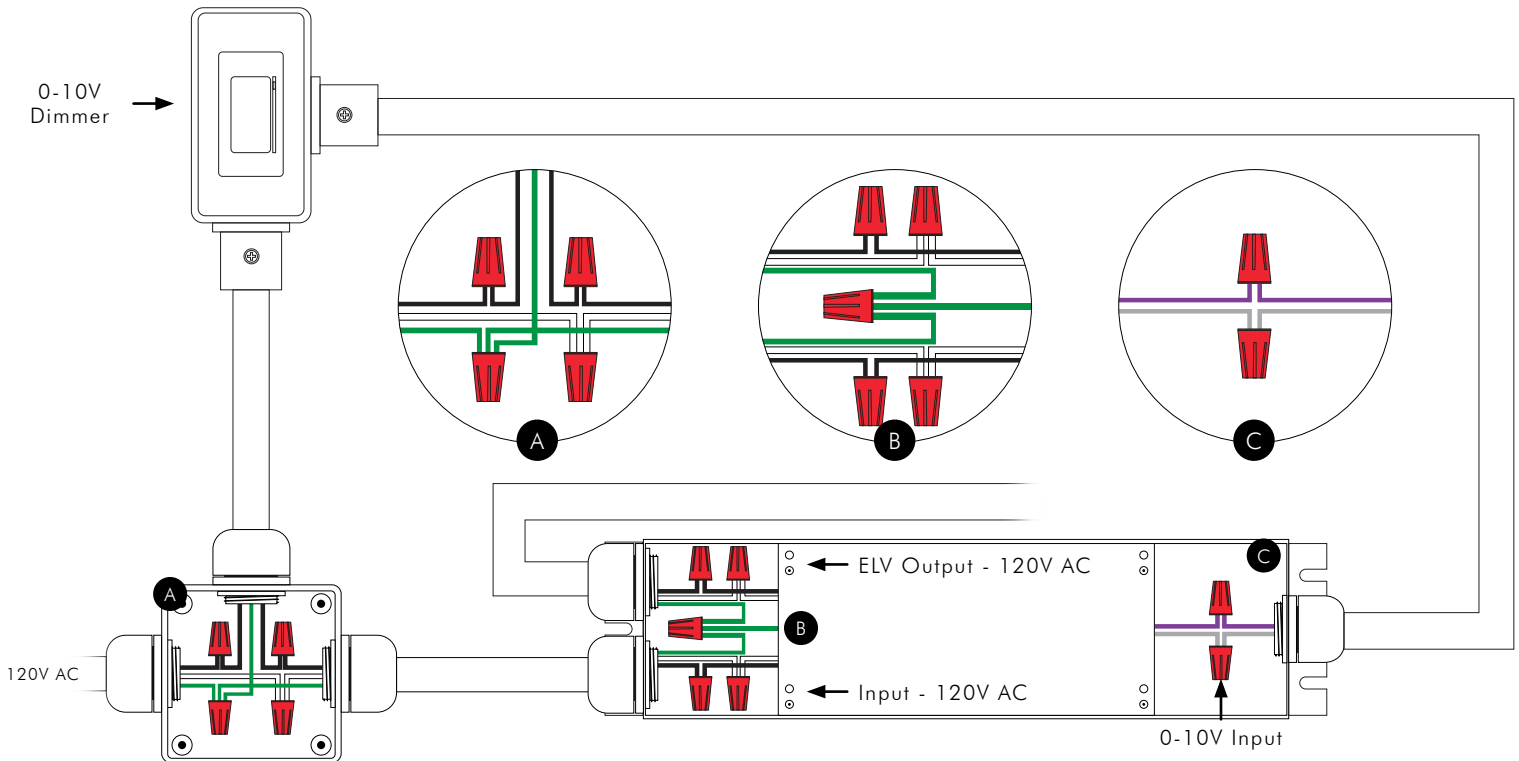
Vantage STPERW101  
Grafik Eye QS with Grafik Eye PHPM-PA-DVWH  
Legrand HDA-703-1  
Legrand RH703PTUTC  
Lutron MAELV-600 (600W)  
Lutron Skylark SELV-300P (300W)  
Leviton MNE04 (400W)  
Lutron Diva DVELV-300P (300W)  
Lutron Diva DVELV-300P (300W) Adjusted  
Lutron Diva DVCLA-153P (150W)



MODA BRIDGE<sup>1</sup> 2.0

Converting 0-10V to ELV.

MODA BRIDGE 1 solves many installation issues. It accepts a standard 0-10V signal from most dimmers and dimming systems and internally converts this signal into a Electronic Low Voltage (ELV) signal. Thus enabling 0-10V control of an ELV fixture. It is optimized to perform precise smooth flicker free dimming down to 0%. Simple wiring with its integral 1/2" holes which accepts liquid tight or interior conduit connectors. Wire to any 120V 60 Hz feed. Power up to 840W of fixtures at 120V. Fully potted enables the installer to mount this product virtually anywhere with its Wet Location IP65 rating. Fully protected from surge, short circuit, open circuit and over temperature. Power Input and data interface protected with High Grade Surge Protection. Designed and developed by MODA LIGHT, Las Vegas USA

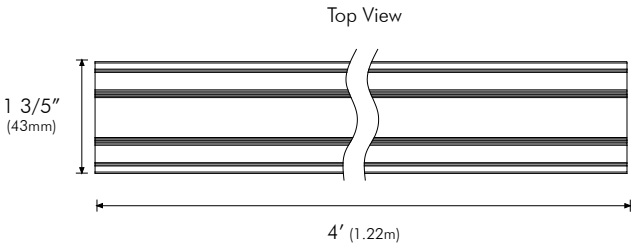
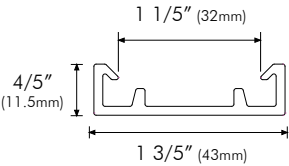


Input	UL/cUL	CE/CCC*
Live 120V AC	Black	Brown
Neutral	White	Blue
Ground	Green	Green/Yellow
Data +	Purple	Black
Data -	Grey	Grey

\*Not illustrated

Output	UL/cUL	CE/CCC*
Live 100-277V	Black	Brown
Neutral	White	Blue
Ground	Green	Green/Yellow

\*Not illustrated



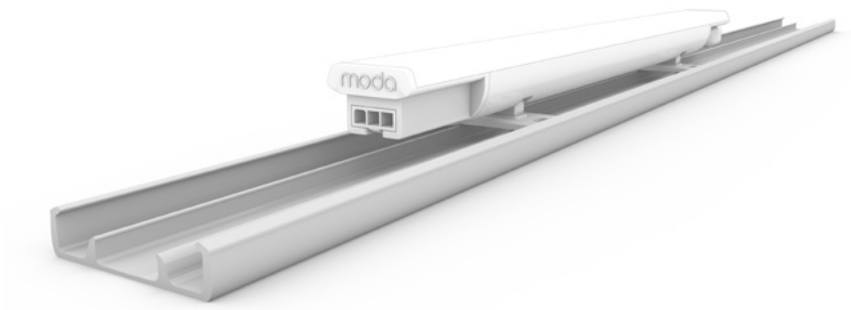
MODA NANO COVE MOUNTING TRACK

Mounting Nano Cove.

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

Options	
Finish	W - White
Length	4ft - 4' Sections
Quantity	5 Pieces (20ft)

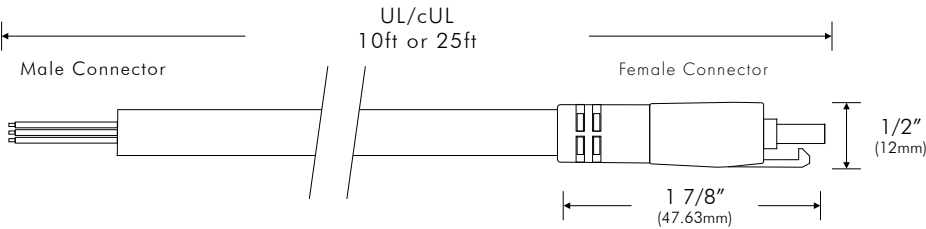
Physical	
Applications	Cove, Accent
Construction	



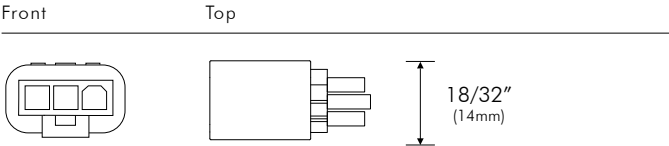
ELV LEADER CABLES

Moda Nano Cove Interior 3 Pin Leader Cables

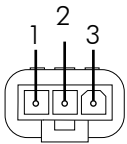
	UL/cUL
Lengths	10ft and 25ft
Color	White



Female Connector



Pin Assignment

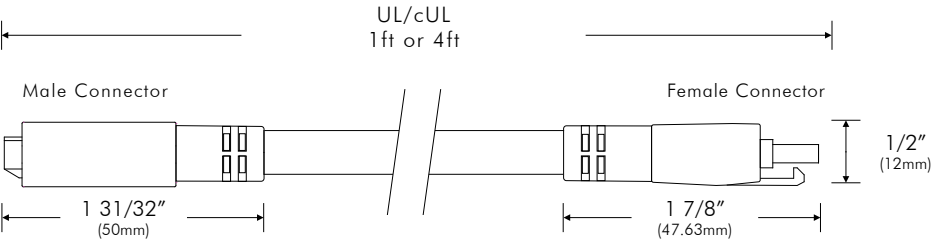


		UL/cUL
1	Live 100-277V	Black
2	Ground	Green
3	Neutral	White

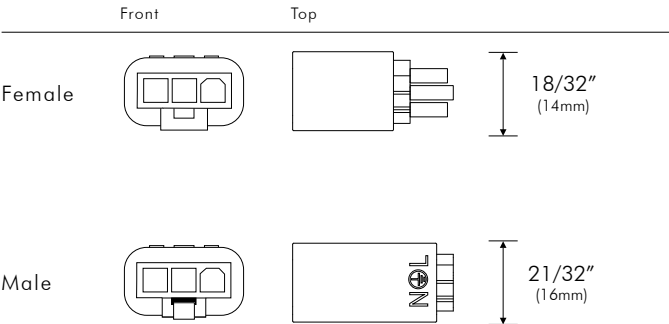
ELV JUMPER CABLES

Moda Nano Cove Interior 3 Pin Jumper Cables

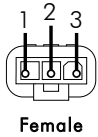
	UL/cUL
Lengths	1ft and 4ft
Color	White



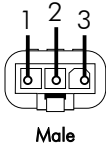
Connectors



Pin Assignment



		UL/cUL
1	Live 100-277V	Black
2	Ground	Green
3	Neutral	White



		UL/cUL
1	Neutral	White
2	Ground	Green
3	Live 100-277V	Black

	FIXTURE	SKU
ELV SO 1 FT	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 2700K HCRI 1FT	010-1005
	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 3000K HCRI 1FT	010-1006
	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 3500K HCRI 1FT	010-1008
	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 4000K HCRI 1FT	010-1009
ELV SO 4 FT	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 2700K HCRI 4FT	010-3005
	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 3000K HCRI 4FT	010-3006
	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 3500K HCRI 4FT	010-3008
	Moda Nano Cove Interior Standard Output White 120V ELV Dimming 4000K HCRI 4FT	010-3009

ACCESSORIES	DESCRIPTION	SKU
Leader Cable US 3 Pin 10ft	Power to first fixture of run	299-0000
Leader Cable US 3 Pin 25ft	Power to first fixture of run	299-0002
Jumper Cable US 3 Pin 1ft	Connection between fixtures	299-1000
Jumper Cable US 3 Pin 4ft	Connection between fixtures	299-1002
Leader Cable EU 3 Pin 3m	Power to first fixture of run	299-0001
Leader Cable EU 3 Pin 7.62m	Power to first fixture of run	299-0003
Jumper Cable EU 3 Pin 300mm	Connection between fixtures	299-1001
Jumper Cable EU 3 Pin 1m	Connection between fixtures	299-1003
Terminator 3 Pin	Must be fixed to last fixture for safety	299-2000
Mounting Track	Allows user to install fixtures in a continuous linear position. Packaged in 5 4ft sections in total of 20ft.	299-3000

CONTROLS	DESCRIPTION	SKU
Bridge 1 US	Allows user to convert a 0-10V dimming signal into an ELV dimming signal. North American Model	250-0000