MODA COVE® EXTERIOR RGB

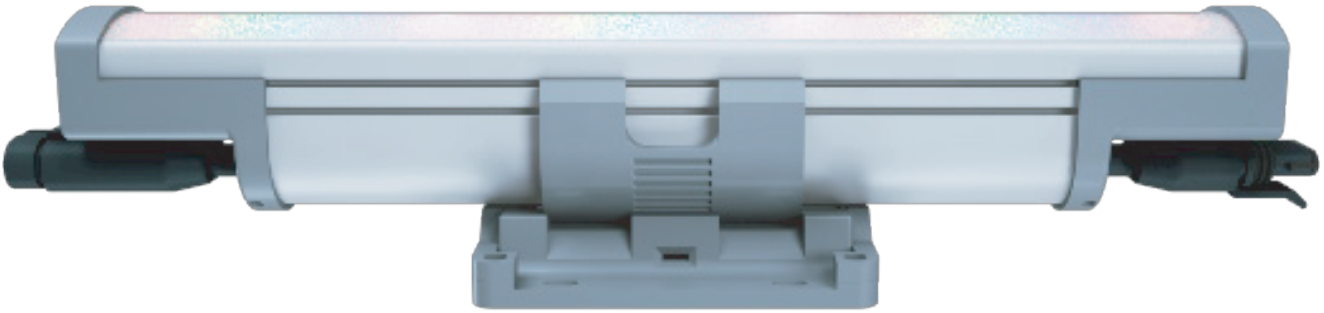
Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____

_____



Specification Grade Premium Exterior Cove Fixture.

MODA COVE Exterior is a 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 DMX512 signals for full independent control of every 1ft section. Mix colors to create amazing displays and color scenes using MODA controls. 100-277V 50/60Hz power input allows these fixtures to be installed anywhere in the world. Includes a 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. This series is designed for the 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 1/2in (318mm) L: 47 3/8in (1204mm)	W: 2 13/16in (71mm) H: 2 9/16in (65mm)
Weight	12in: 1.3lbs (0.6kg) 48in: 4.9lbs (2.22kg)	
Applications	Cove, Accent, & Indirect General Illumination	
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Polycarbonate Optical Lens	
Ingress Protection	Wet Location IP66	
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
HO	812	3248	81.20	81.20

POWER CONSUMPTION

120V - 277V AC

	1FT	4FT
HO	10W	40W

OUTPUT

CCT	N/A
Beam Angle	120°
CRI	Variable for RGB
Color Bin Tolerance	Zero Bin
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	DMX512
Power Factor	≥ 0.98

MAX CONTINUOUS RUN

	120V AC	277V AC
HO	80ft	80ft

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™**

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

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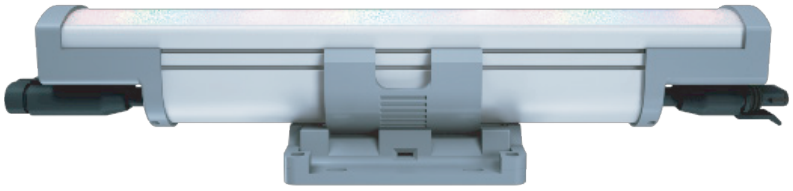
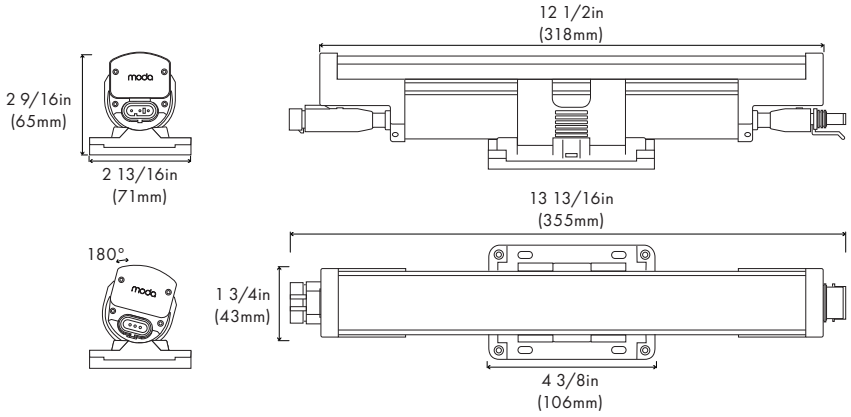




DMX

Lumens	Efficacy
812	81.20

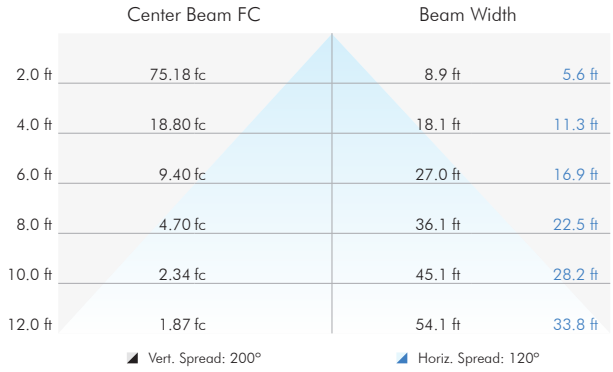
Power Consumption

120-277V AC 10W

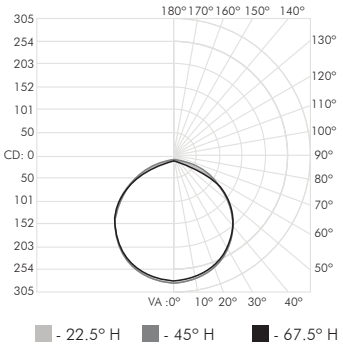
Max Run Lengths

120-277V AC 80ft

Illuminance at a Distance



Polar Candela Distribution



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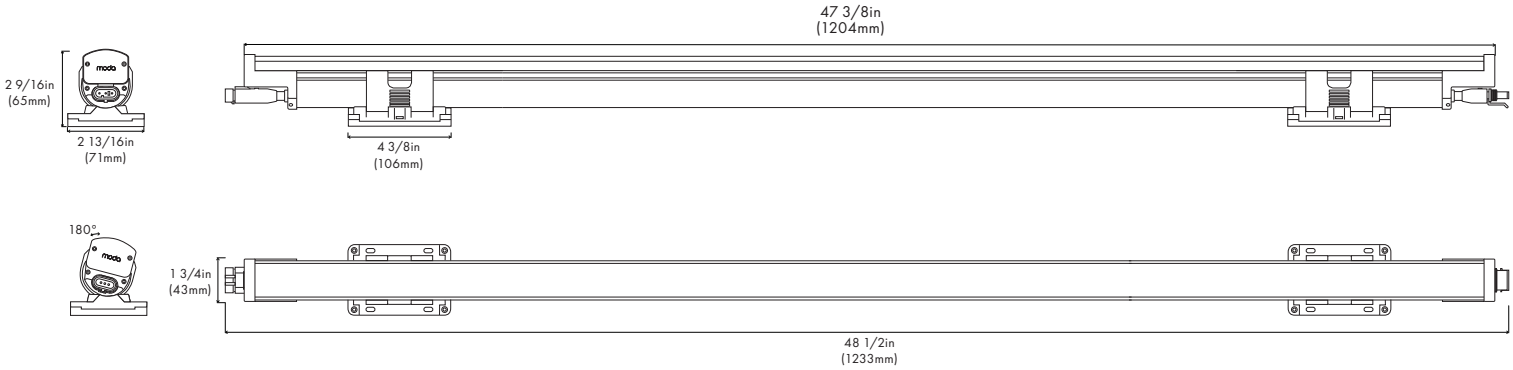


DMX

Lumens/ft	Efficacy
3248	81.20

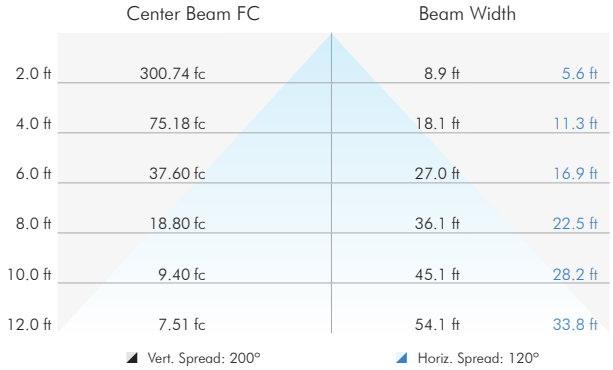
Power Consumption

120-277V AC 40W

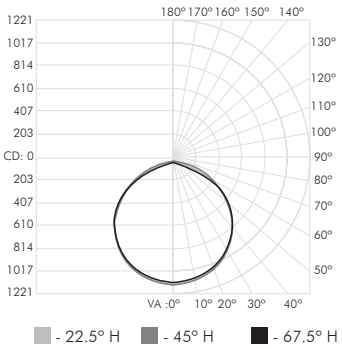
Max Run Lengths

120-277V AC 80ft

Illuminance at a Distance



Polar Candela Distribution



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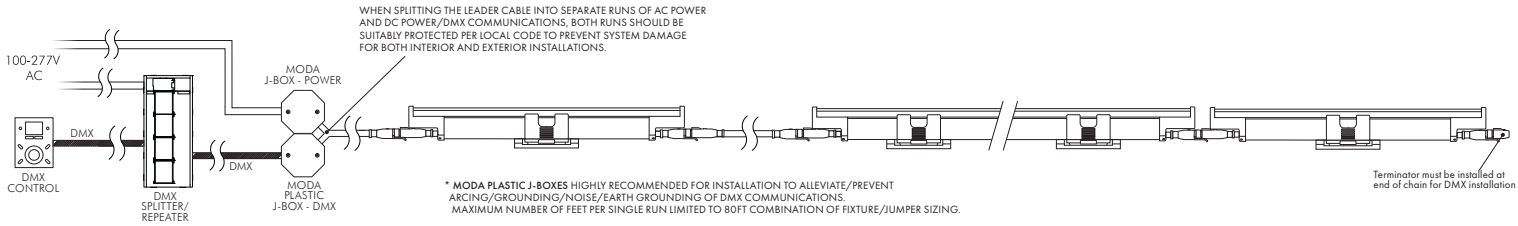
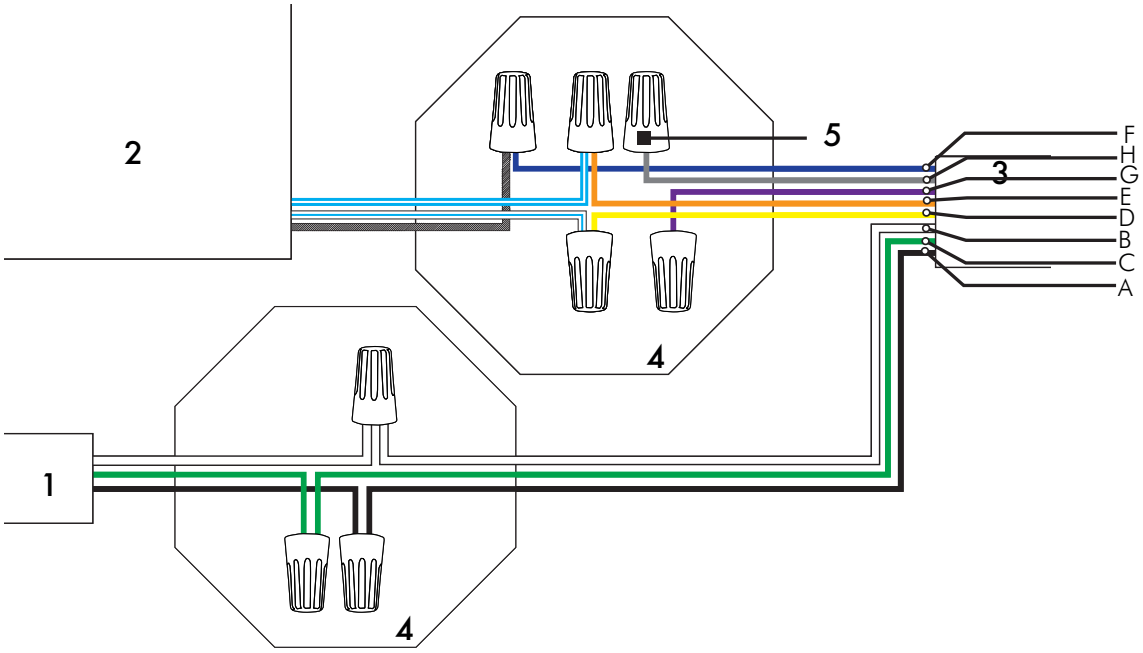




Wiring Legend

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

Shielded RS-485

	DMX Positive
	DMX Negative
	DMX Shield

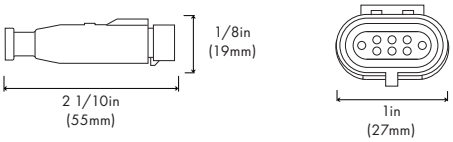
8 Pin Leader Cable

		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	Blue	Blue
G	Not Used	Purple	Purple
H	Not Used	Gray	Gray

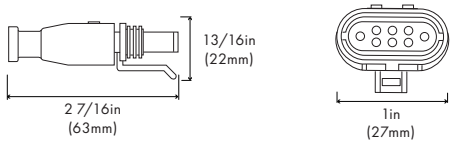
*Not illustrated

DMX Connectors

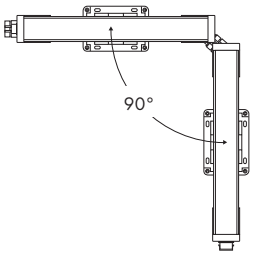
Female



Male



Angle Adjustment



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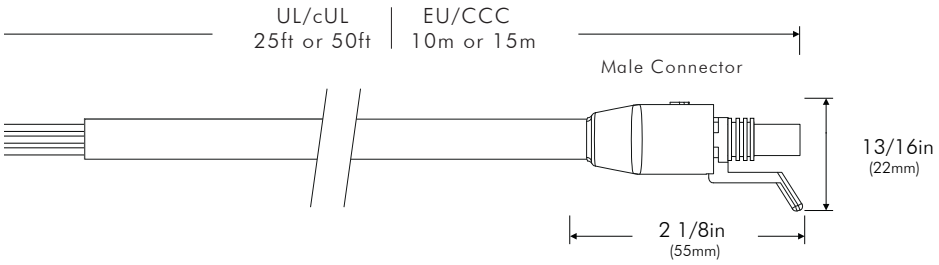
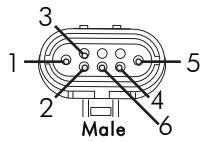
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

	UL/cUL	EU/CCC
Lengths	25ft and 50ft	10m and 15m
Color	Black	Black

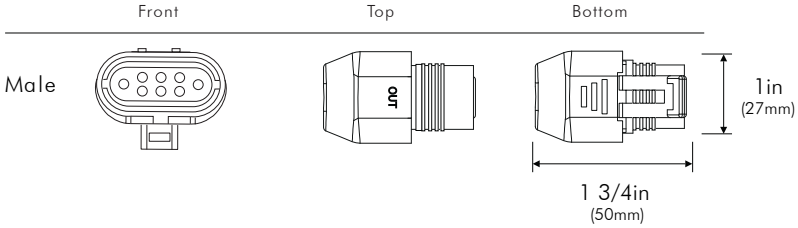


Pin Assignment



		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
6	DMX Shield	Blue	Blue

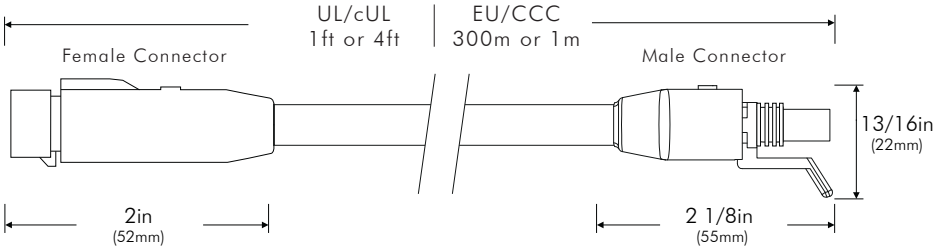
Connectors



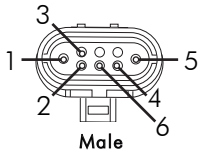
DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

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

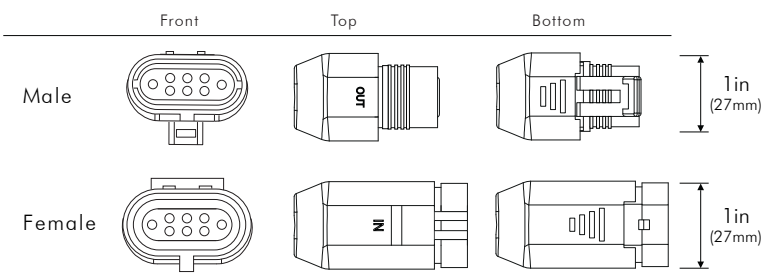


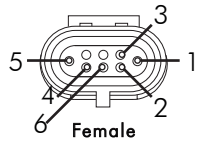
Pin Assignment



		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
6	DMX Shield	Blue	Blue

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
6	DMX Shield	Blue	Blue

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	FIXTURE	ORDERING SKU
1FT	Moda Cove Exterior High Output Silver DMX512 RGB 1FT	MCE-HO-S1-S-RGB-1
4FT	Moda Cove Exterior High Output Silver DMX512 RGB 4FT	MCE-HO-S1-S-RGB-4

ACCESSORIES	DESCRIPTION	ORDERING 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 10M	Power to first fixture of run	MLCE-EU-8PIN-B-10M
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 installation	MCGE-BL-G

CONTROLS	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi Touch	DMX512 Wall Mounted Touch Panel Controller with Color Display	KND-TCH-B (Black) KND-TCH-W (White)	250-0040 250-0041
MODA Touch*	DMX512 Wall Mounted Touch Panel Controller	MTCH-S1-B (Black) MTCH-S1-W (White)	MTCH-S1-B 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

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