modaLIGHT®
## SPECIFICATION

Line Voltage LED Linear System.

High output solid state linear system with integral universal 100-277v AC power supply. RGB E-COVE is equipped with tri-color SMD LEDs for smooth transitions during vivid color changes. Adjustable mounting bracket allows for easy adjustments when directing the light source. Integral driver powers E-COVE at 1/3 of its capabilities for a low thermal signature and exceptional long life that exceeds L70.
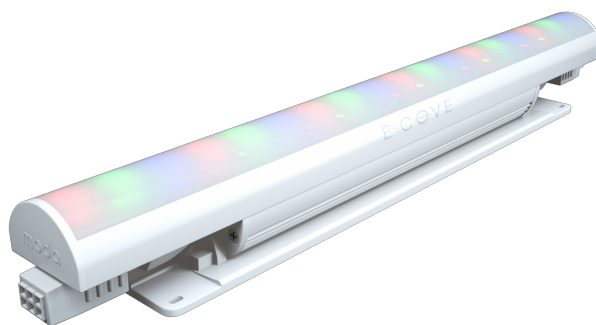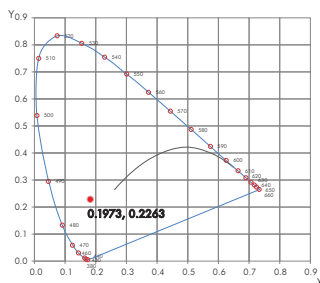
OUTPUT

Delivered Lumens	345.11
CCT & SDMC	N/A
Chromaticity Coordinates	x: 0.1973 y: 0.2263 u: 0.1453 v: 0.5382
Color Bin Tolerance	N/A
Efficacy (lm/w)	61.62
CRI	N/A
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

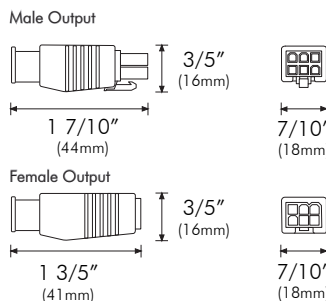|	
Input Voltage	100-277v AC 50Hz/60Hz
Power Consumption	5.60w (0.04A)
Power Factor	≥ 0.96
Dimming	DMX 512
Emergency	N/A

PHYSICAL

Applications	Cove, Accent & Indirect General Illumination
Dimensions	Length 1' (305mm) Width 1 3/5" (40mm) Height 1 7/10" (43.60mm)
Weight	11.2oz (318g)
Construction	Polycarbonate Body, Polycarbonate Lens
Thermal Management	Natural Convection
Optics	N/A
Fixture Connections	Integral Male & Female Connectors
Operating Temperature	-22°F ~ 122°F (-30°C ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS

170°

1 7/10" (43.60mm)

1 3/5" (40mm)

1 3/5" (40mm)

1' (305mm)

CIE 1931 CHROMATICITY DIAGRAM

0.1973, 0.2263

LUMINANCE DATA
(cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9493	6655	5939
55	9206	5749	4930
65	8152	4276	3630
75	5432	2311	1921
85	3337	917	734

CONNECTOR DIMENSIONS

Male Output

3/5" (16mm)

1 7/10" (44mm)

7/10" (18mm)

Female Output

3/5" (16mm)

1 3/5" (41mm)

7/10" (18mm)
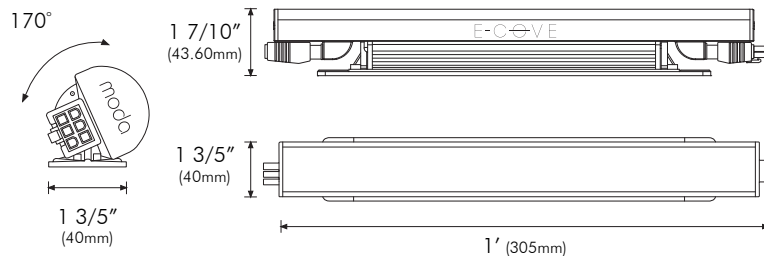
MODA TECHNOLOGY

moda**CUE**™   moda**KWIK CONNECT**™

moda**COMMUNICATE**™   moda**SOFT**™

moda**DMX**™

STANDARDS & CERTIFICATIONS

ETL us   CE   RoHS APPROVED   LM 79

LM 80   3 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	31.95 fc	5.8 ft	5.8 ft
4.0 ft	7.98 fc	11.6 ft	11.7 ft
6.0 ft	3.99 fc	17.4 ft	17.5 ft
8.0 ft	1.99 fc	23.3 ft	29.1 ft
10.0 ft	0.99 fc	29.1 ft	29.1 ft
12.0 ft	0.79 fc	34.9 ft	35.0 ft

Vert. Spread: 110.90°
Horiz. Spread: 111.10°
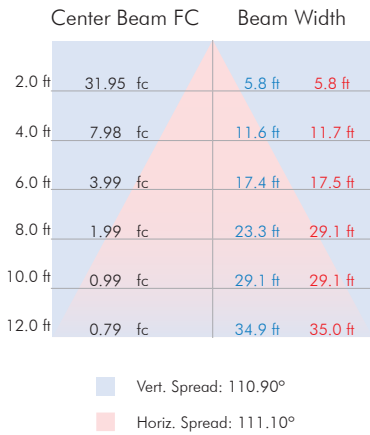
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
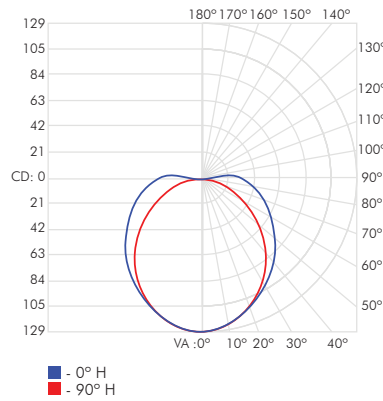
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	94.56	N.A.	27.40%
0-40	154.60	N.A.	44.80%
0-60	271.94	N.A.	78.80%
60-90	60.73	N.A.	17.60%
0-90	337.51	N.A.	97.80%
90-180	7.59	N.A.	2.20%
0-180	345.11	N.A.	100%

LUMENS PER ZONE

Zone	Lumens	% Total
0-10	11.52	3.34%
10-20	33.06	9.58%
20-30	50.04	14.50%
30-40	59.98	17.38%
40-50	61.98	17.96%
50-60	55.21	16.00%
60-70	40.75	11.81%
70-80	20.05	5.81%
80-90	4.72	1.37%
90-100	2.62	0.76%

WIRING

Single Run DMX Wiring

100-277v AC

DMX Controller
(Belden 9841)

100 - 277v AC
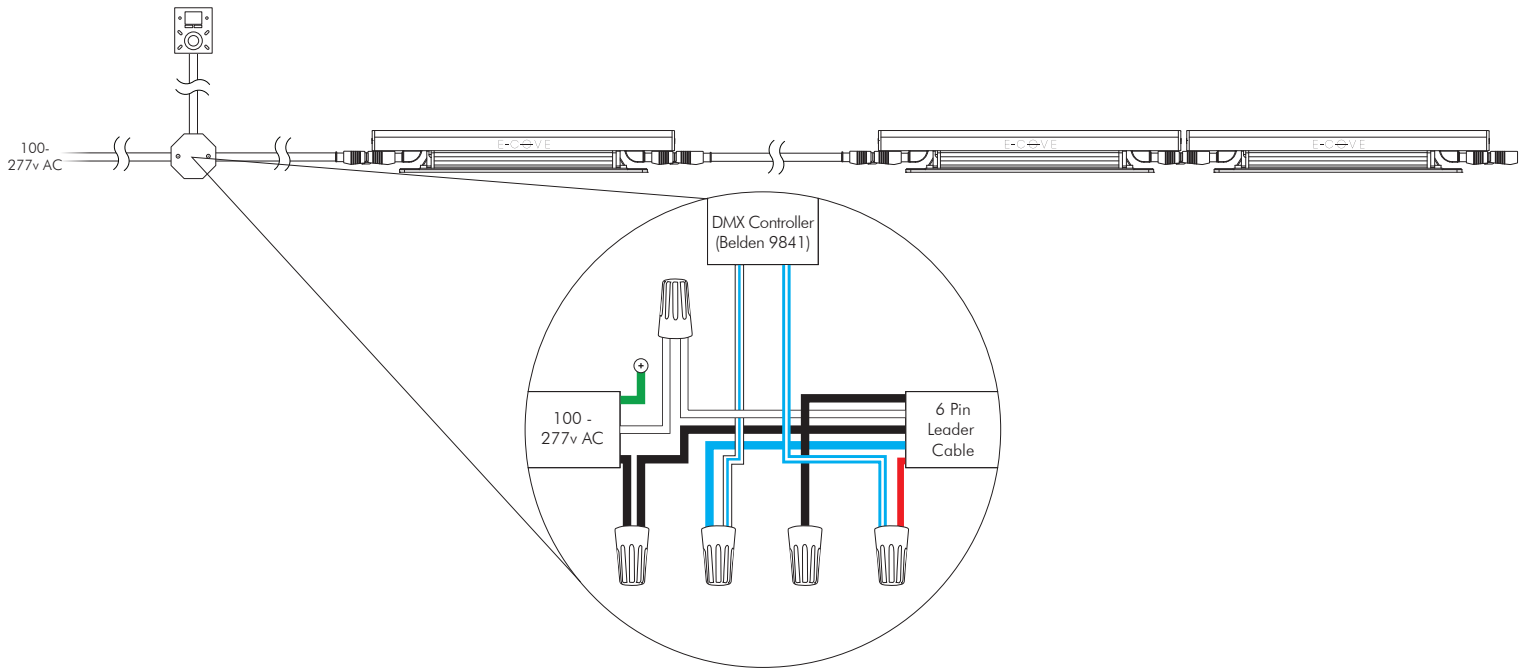
6 Pin Leader Cable

WIRING LEGEND

6 PIN LEADER CABLE

▬	Power Positive (AWG18)
	Power Negative (AWG18)
▬	Ground (AWG18)
▬	DMX Positive
▬	DMX Negative

DMX CONTROLLER

▬	Positive
▬	Negative

POWER (100-277v AC)

▬	Positive
	Negative
▬	Ground

MAX RUN LENGTHS

1ft using 120v AC	80 pcs
1ft using 277v AC	80 pcs

ACCESSORIES

MODA-E-COVE-GRAZE-INTERIOR-6PIN-10FT-LEADER-CABLE	MODA-E-COVE-GRAZE-INTERIOR-6PIN-25FT-LEADER-CABLE	MODA-E-COVE-GRAZE-INTERIOR-6PIN-1FT-JUMPER-CABLE	MODA-E-COVE-GRAZE-INTERIOR-6PIN-4FT-JUMPER-CABLE
Power to First Fixture of Run	Power to First Fixture of Run	Connection Between Fixtures	Connection Between Fixtures
		Jumper Cable L: 1' (305mm)	Jumper Cable L: 4' (1.20m)

MODA-E-COVE-GRAZE-INTERIOR-6PIN-10FT-LEADER-CABLE

Leader Cable
L: 10' (3.05m)

Male Connector
L: 1 7/10" (44mm)
W: 7/10" (18mm)
H: 3/5" (16mm)

MODA-E-COVE-GRAZE-INTERIOR-6PIN-25FT-LEADER-CABLE

Leader Cable
L: 50' (15.24m)

Male Connector
L: 1 7/10" (44mm)
W: 7/10" (18mm)
H: 3/5" (16mm)

MODA-E-COVE-GRAZE-INTERIOR-6PIN-1FT-JUMPER-CABLE

Male Connector
L: 1 7/10" (44mm)
W: 7/10" (18mm)
H: 3/5" (16mm)

Female Connector
L: 1 3/5" (41mm)
W: 7/10" (18mm)
H: 3/5" (16mm)

MODA-E-COVE-GRAZE-INTERIOR-6PIN-4FT-JUMPER-CABLE

Male Connector
L: 1 7/10" (44mm)
W: 7/10" (18mm)
H: 3/5" (16mm)

Female Connector
L: 1 3/5" (41mm)
W: 7/10" (18mm)
H: 3/5" (16mm)

MODA-E-COVE-GRAZE-INTERIOR-6PIN-TERMINATOR

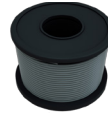Must be Fixed to Last Fixture for Safety

L: 1 7/10" (42mm)
W: 3/5" (15mm)
H: 2/5" (11mm)

BDL-9841-500FT

RS-458 Cable for DMX
24 AWG stranded TC conductors
polyethylene insulation

L: 500' (152.40m)

BDL-9841-1000FT

RS-458 Cable for DMX
24 AWG stranded TC conductors
polyethylene insulation

L: 1000' (304.80m)

KANDI-TOUCH-BLACK / KANDI-TOUCH-WHITE

DMX 512 Controller

L: 4 1/5" (106mm)
W: 5 7/10" (146mm)
H: 2/5" (11mm)

STANDARDS & CERTIFICATIONS

Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE & RoHS Compliant.
Class	1
Environment	Dry Location - IP20
Warranty	3 Year Limited Warranty

ORDERING

Sku	MECI-SO-S1-W-RGB-1