

# modaLIGHT<sup>®</sup>

## SPECIFICATION

## MODA E-COVE<sup>®</sup> INTERIOR 3500K HCRI 1FT

### Line Voltage LED Linear System.

E-COVE is a cove, alcove or niche Lighting System. Powerful, delivering 480 lm/ft and discreet with a height of just 1 7/10" (43.6mm). 0% Synchronized dimming. CRI 96-98. R1-15 >90. 100-277v Universal Input. Achieve long runs of up to 230ft (277v). 6w power consumption. 2 Step MacAdam Ellipse. No color over angle, no striations, no dark spots. Cool to the touch.



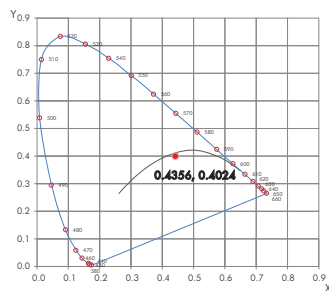
### OUTPUT

Delivered Lumens	478.90
CCT & SDMC	3500k - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4356 y: 0.4024 u: 0.2386 v: 0.5195
Color Bin Tolerance	Single Bin
Efficacy (lm/w)	79.81
CRI	98
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	6w (0.05A)
Power Factor	≥ 0.96
Dimming	Electronic Low Voltage Reverse Phase Trailing Edge
Emergency	N/A

### CIE 1931 CHROMATICITY DIAGRAM



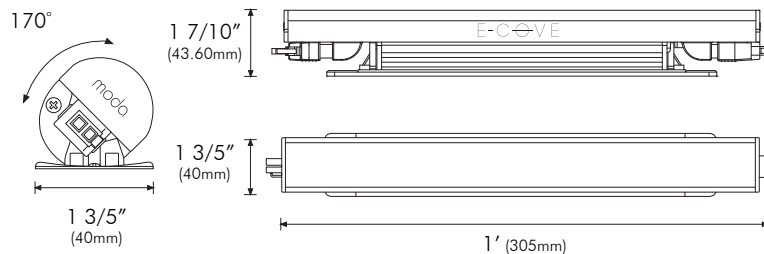
### R VALUES

R1	R2	R3	R4	R5
99	99	96	98	98
R6	R7	R8	R9	R10
96	98	97	92	95
R11	R12	R13	R14	R15
97	90	99	97	98

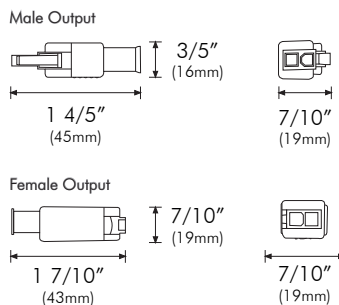
### PHYSICAL

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



### CONNECTOR DIMENSIONS



### MODA TECHNOLOGY

modaBIN™ modaKWIK CONNECT™  
modaCUE™ modaPHOSPHOR™  
modaDRIVER™ modaSOFT™  
modaHIGH CRI

### STANDARDS & CERTIFICATIONS



Project Name:

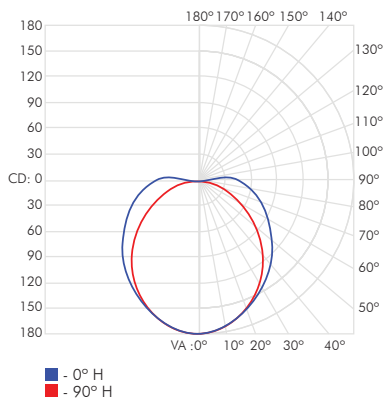
Notes:

### ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	44.34 fc	5.8 ft 5.8 ft
4.0 ft	11.08 fc	11.6 ft 11.7 ft
6.0 ft	5.54 fc	17.4 ft 17.5 ft
8.0 ft	2.77 fc	23.3 ft 29.1 ft
10.0 ft	1.38 fc	29.1 ft 29.1 ft
12.0 ft	1.10 fc	34.9 ft 35.0 ft

■ Vert. Spread: 110.90°  
■ Horiz. Spread: 111.10°

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

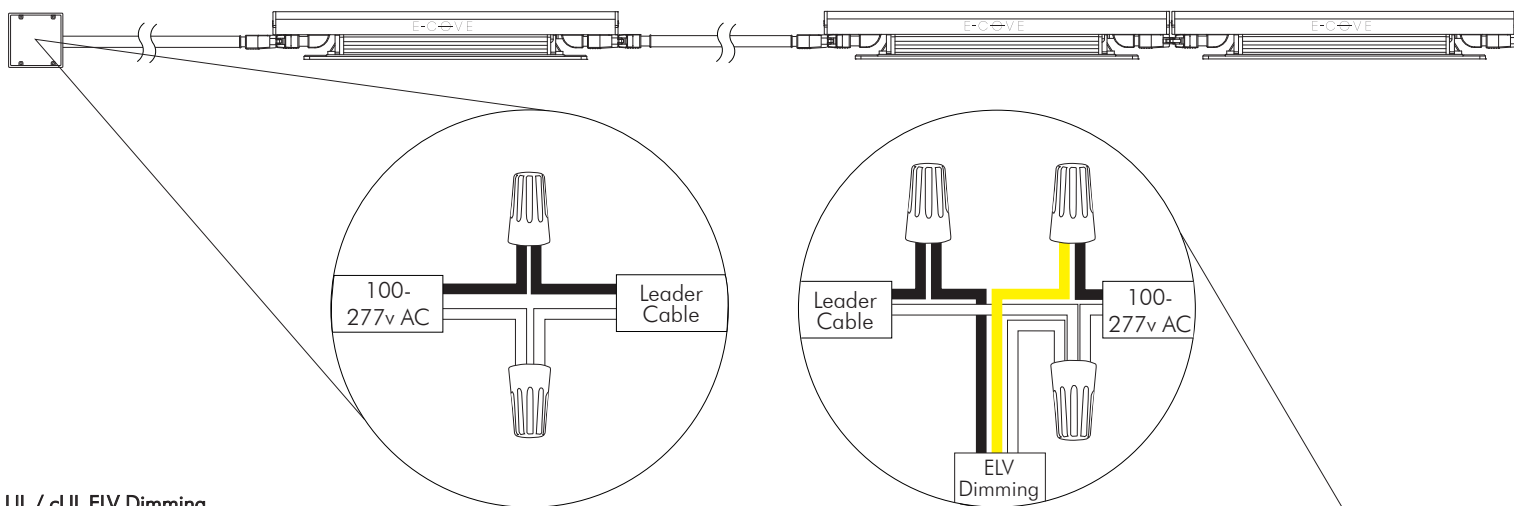
Zone	Lumens	% Lamp	% Fixt
0-30	131.22	N.A.	27.40%
0-40	214.55	N.A.	44.80%
0-60	377.37	N.A.	78.80%
60-90	84.29	N.A.	17.60%
0-90	468.36	N.A.	97.80%
90-180	10.54	N.A.	2.20%
0-180	478.90	N.A.	100%

### LUMENS PER ZONE

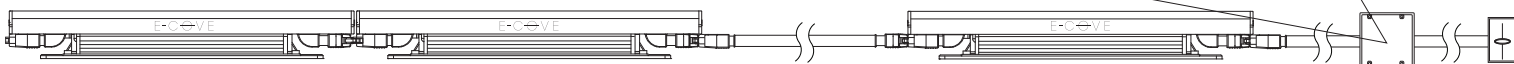
Zone	Lumens	% Total
0-10	15.99	3.34%
10-20	45.87	9.58%
20-30	69.44	14.50%
30-40	83.23	17.38%
40-50	86.01	17.96%
50-60	76.62	16.00%
60-70	56.55	11.81%
70-80	27.82	5.81%
80-90	6.56	1.37%
90-100	3.63	0.76%

### WIRING

#### UL / cUL Non-dimming



#### UL / cUL ELV Dimming



### WIRING LEGEND

UL/cUL	CE/PSE*
<span style="color: black;">—</span> Live 100-277v	<span style="color: brown;">—</span> Live
<span style="color: grey;">—</span> Neutral	<span style="color: blue;">—</span> Neutral
<span style="color: yellow;">—</span> Data	*not illustrated

### COMPATIBLE DIMMERS

Lutron MAELV-600 (600W)  
 Lutron Skylark SELV-300P (300W)  
 Leviton MNE04 (400W)  
 Lutron DIVA DVELV-300P (300W)  
 Lutron DIVA DVELV-300P (300W)  
 ADJUSTED

### MAX RUN LENGTHS

1ft using 120v AC	100 pcs
1ft using 277v AC	230 pcs

ACCESSORIES



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

Power to First Fixture of Run

Leader Cable	Male Connector
L: 10' (3.05m)	L: 1 4/5" (45mm)
	W: 3/5" (15mm)
	H: 2/5" (11mm)



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

Power to First Fixture of Run

Leader Cable:	Male Connector
L: 25' (8m)	L: 1 4/5" (45mm)
	W: 3/5" (15mm)
	H: 2/5" (11mm)



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

Connection Between Fixtures

Jumper Cable  
L: 1' (305mm)

Male Connector	Female Connector
L: 1 4/5" (45mm)	L: 1 7/10" (43mm)
W: 3/5" (15mm)	W: 7/10" (19mm)
H: 2/5" (11mm)	H: 7/10" (19mm)



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

Connection Between Fixtures

Jumper Cable  
L: 4' (1.20m)

Male Connector	Female Connector
L: 1 4/5" (45mm)	L: 1 7/10" (43mm)
W: 3/5" (15mm)	W: 7/10" (19mm)
H: 2/5" (11mm)	H: 7/10" (19mm)



MODA-E-COVE-GRAZE-  
INTERIOR-TERMINATOR

Must be Fixed to Last Fixture for Safety

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



MODA-BRIDGE<sup>1</sup>

Allows User to Convert a 0-10v Dimming Signal into  
an ELV Dimming Signal that Dims Down to 0%

L: 7 3/4" (196.85mm)
W: 4 2/10" (107mm)
H: 1 8/10" (47mm)

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	5 Year Limited Warranty