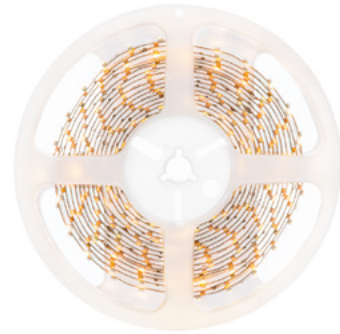


Dimmable Low Profile LED Linear Flex System.
ECOFLEX HCRI is a cost effective LED linear flex lighting system. Built from high quality SMD LED's with a unique high copper content FPCB design that allows for stable and consistent thermal management. ECOFLEX HCRI is field cuttable every 2" with easy installations thanks to its 3m self adhesive backing and multiple accessories for field customizing. Fully dimmable through use of MODA LIGHT drivers. See MODA Metal[®] for extrusion options.



OUTPUT

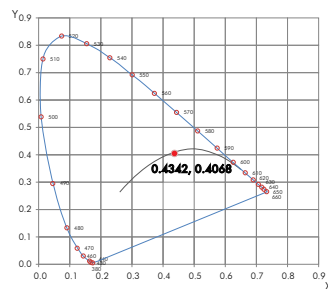
Delivered Lumens	150.76 lm / ft
CCT & SDMC	3500K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4342 y: 0.4068 u: 0.2441 v: 0.5284
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	107.68
CRI	92
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	12V DC
Power Consumption	1.4W per ft (0.02A)*
Power Factor	≤ 1
Dimming	100-277V 0-10V & Magnetic Low Voltage
Emergency	N/A

* Varies based on length of run and driver

CIE 1931 CHROMATICITY DIAGRAM



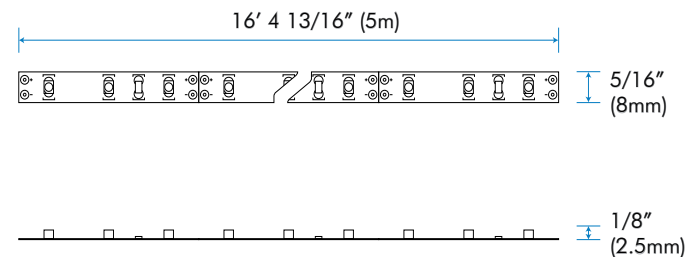
R VALUES

R1	R2	R3	R4	R5
92	92	88	91	90
R6	R7	R8	R9	R10
89	90	90	91	88
R11	R12	R13	R14	R15
89	88	91	90	90

PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 5/16" (8mm) Height 1/8" (2.5mm)
LED Spacing	5/8" (14mm)
Beam Distribution	110°
Cutting Distance	2" (51mm)
Weight	3.9oz (110g) Per Reel
Construction	Constant Voltage Design Protects LEDs and Prolongs Life. White FPCB.
Thermal Management	N/A
Optics	N/A
Fixture Connections	Push to Fit 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



MODA TECHNOLOGY

moda**HIGH CRI**
moda**PHOSPHOR**[™]

STANDARDS & CERTIFICATIONS



RoHS ✓

LM
79

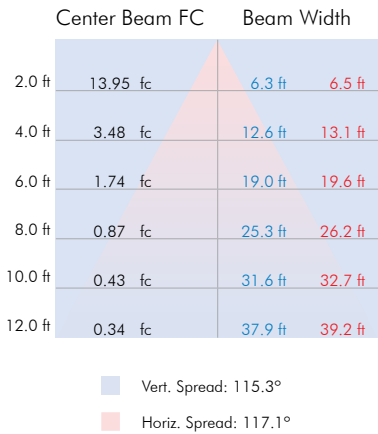
LM
80

5
YEAR
WARRANTY

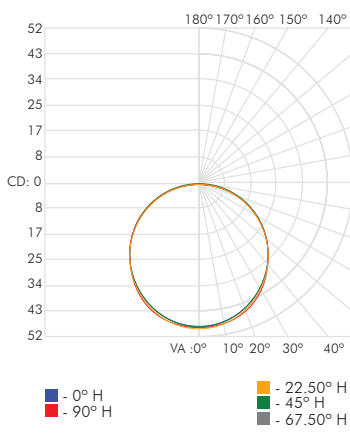
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

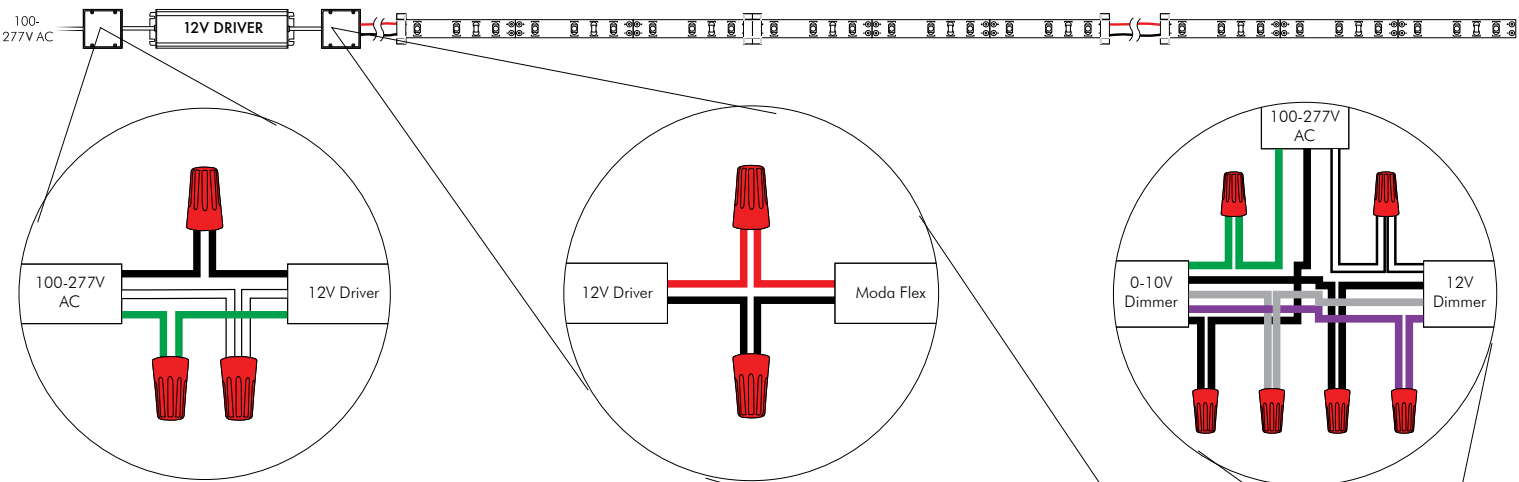
Zone	Lumens	% Lamp	% Fixt
0-30	39.19	N.A.	26.00%
0-40	64.67	N.A.	42.90%
0-60	116.23	N.A.	77.10%
60-90	33.16	N.A.	22.00%
0-90	149.25	N.A.	99.00%
90-180	0.15	N.A.	1.00%
0-180	150.76	N.A.	100.00%

LUMENS PER ZONE

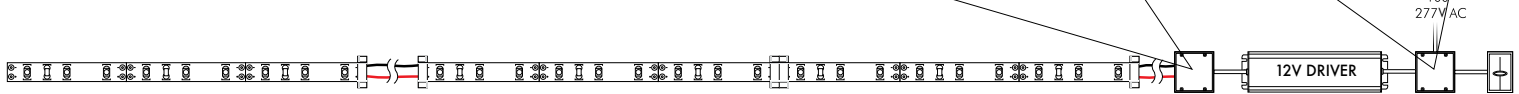
Zone	Lumens	% Lamp	% Fixt
0-10	4.67	N.A.	3.10%
10-20	13.56	N.A.	9.00%
20-30	20.80	N.A.	13.80%
30-40	25.47	N.A.	16.90%
40-50	26.57	N.A.	17.80%
50-60	24.57	N.A.	16.30%
60-70	18.99	N.A.	12.60%
70-80	11.00	N.A.	7.30%
80-90	3.16	N.A.	2.10%
90-100	0.00	N.A.	0.00%

WIRING

UL / cUL Non-dimming



UL / cUL ELV Dimming



WIRING LEGEND

Power (100-277V AC)	UL/cUL	12V Driver
Power Positive	Power Positive	Power Positive
Power Negative	Power Negative	Power Negative
Ground		Ground
		Data Positive
		Data Negative

MAX RUN

60W Driver	39ft
100W Driver	64ft
132W Driver	85ft
150W Driver	96ft

ACCESSORIES



MRTA25
10' Leader Cable

Connects ECOFLEX to Power Supply

L: 1/2" (13mm)
W: 1/4" (6mm)
H: 1/8" (2mm)



MRTA26
In-Line Connector

Connects Two ECOFLEX Together

L: 1/2" (13mm)
W: 7/16" (10mm)
H: 1/8" (2mm)



MRTA27
4" EZ - Connector for ECOFLEX

Connects Two ECOFLEX and
Allows for Flexible Corner Bends

L: 1/2" (13mm)
W: 1/4" (6mm)
H: 1/8" (2mm)



MODA SHIELD

Comes in Either Clear (C) or White (W) Finish

4' Section
Interior Channel: 5/16" (8mm)

12V 0-10V Dimming Drivers



MP05
347V AC

60W - IP66

L: 9 7/16" (240mm)
W: 1 3/4" (43mm)
H: 1 5/16" (32mm)



MP18N
100 - 277V AC

60W - IP66

L: 9 7/16" (240mm)
W: 1 3/4" (43mm)
H: 1 5/16" (32mm)



MP86
100 - 277V AC

100W - IP66

L: 9 1/2" (241mm)
W: 2 5/16" (58mm)
H: 1 1/2" (37mm)



MP88
100 - 277V

150W - IP66

L: 9 1/2" (241mm)
W: 2 5/8" (67mm)
H: 1 5/8" (40.5mm)

12V Non Dimming Drivers



MP16
100 - 277V AC

132W - IP67

L: 8 3/4" (222mm)
W: 2 3/4" (68mm)
H: 1 1/2" (39mm)

STANDARDS & CERTIFICATIONS

Certification	Tested to UL & CSA by ETL For Use in USA & CANADA, Complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.
Class	3
Environment	Dry Location - IP20
Warranty	5 Year Limited Warranty

ORDERING

ECF-INT-S-S1-W-35-16