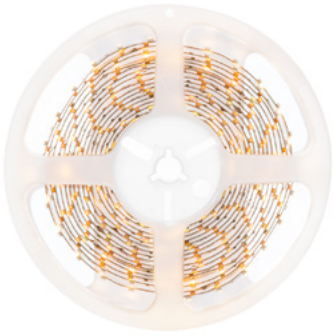
moda LIGHT®
SPECIFICATION

ECOFLEX INTERIOR 3000K HCRI



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	138.10 lm / ft
CCT & SDMC	3000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4344 y: 0.4028 u: 0.2493 v: 0.5203
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/W)	98.64
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

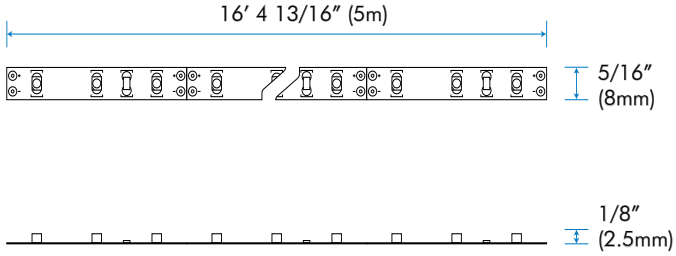
ELECTRICAL

Input Voltage	12V DC
Power Consumption	1.4W per ft (0.02A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

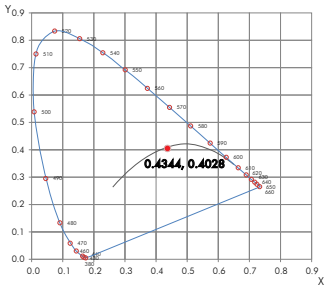
PHYSICAL

Applications	IP20 Dry Location, 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



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

MODA TECHNOLOGY

moda PHOSPHOR™
moda ZERO BIN™
moda HIGH CRI™

STANDARDS & CERTIFICATIONS

ETL CE RoHS
LM 79 LM 80 5 YEAR WARRANTY

Project Name:

Notes:

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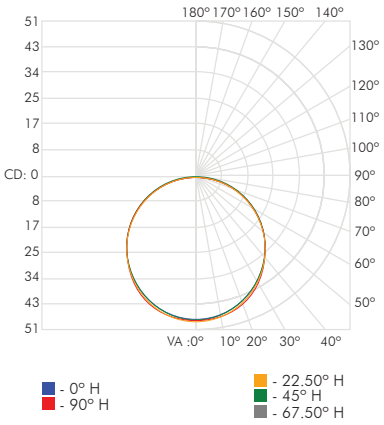
ECOFLEX INTERIOR 3000K HCRI

ILLUMINANCE AT A DISTANCE

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

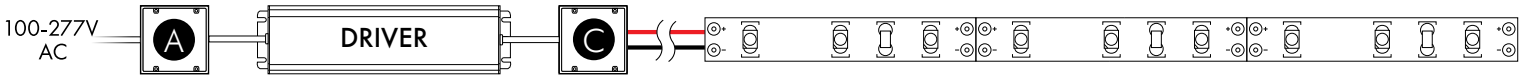
Zone	Lumens	% Lamp	% Fixt
0-30	35.90	N.A.	26.00%
0-40	59.20	N.A.	43.00%
0-60	106.40	N.A.	77.10%
60-90	30.30	N.A.	22.00%
0-90	136.70	N.A.	99.00%
90-180	136.70	N.A.	1.00%
0-180	138.10	N.A.	100.00%

LUMENS PER ZONE

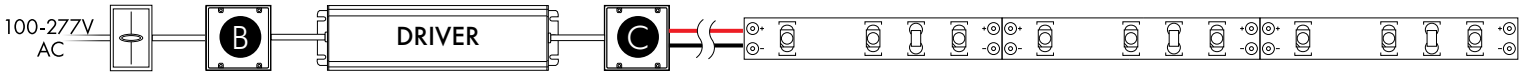
Zone	Lumens	% Lamp	% Fixt
0-10	4.20	N.A.	3.10%
10-20	12.40	N.A.	9.00%
20-30	19.00	N.A.	13.80%
30-40	23.30	N.A.	16.90%
40-50	24.50	N.A.	17.80%
50-60	22.50	N.A.	16.30%
60-70	17.40	N.A.	12.60%
70-80	10.00	N.A.	7.30%
80-90	3.00	N.A.	2.10%
90-100	0.00	N.A.	0.00%

WIRING

UL / cUL Non-dimming



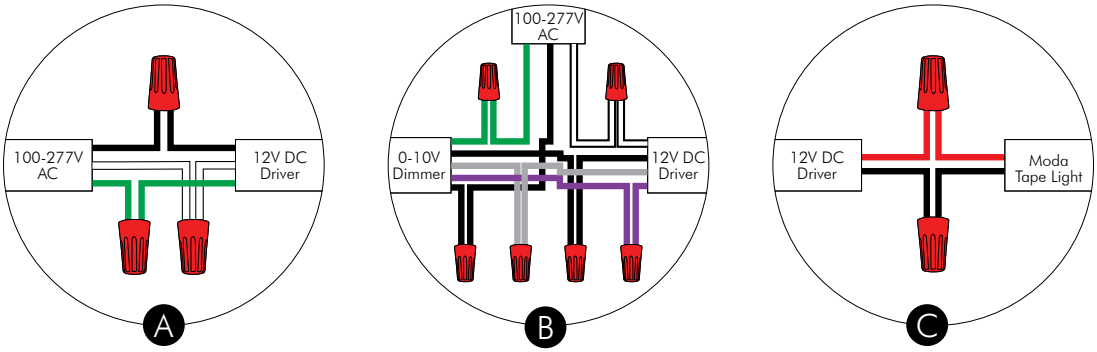
UL / cUL ELV Dimming



WIRING LEGEND

12V Driver Primary Side	
Black	Live 100-277V AC
White	Neutral AC
Green	Ground AC

12V Driver Secondary Side	
Red	DC Power Positive
Black	DC Power Negative
Purple	0-10V Data Positive
Negative	0-10V Data Negative



MAX RUN

60W Driver	38ft
100W Driver	64ft
132W Driver	84ft
150W Driver	96ft

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ECOFLEX INTERIOR 3000K HCRI

FIXTURE	SKU
Ecoflex - IP20 Dry Location EZ Connect Self Adhesive Linear flex 12V DC 16.4ft Reel 3000K HCRI	ECF-INT-S-S1-W-30-16

POWER	SKU
12V DC Driver - 100-277V AC Input - Non-Dimmable - 132W - IP67	MP16
12V DC Driver - 347V AC Input - 0-10V Dimmable - 60W - IP66	MP05
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 60W - IP66	MP18N
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 100W - IP66	MP86
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 150W - IP66	MP88

ACCESSORIES	SKU
10ft Leader Cable	MRTA25
In-Line Connector	MRTA26
MODA Shield Clear 4ft	MDA-SHD-C-4FT
MODA Shield White 4ft	MDA-SHD-W-4FT

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