

### Dimmable Low Profile LED Linear Flex System.

STARFLEX HCRI has set the standard for ultra flexible SS illumination. Easy installation is achieved with simple hand tools and rapid push to fit connectors. Can be cut every inches. Easy peel 3M backing for fixing to most surfaces High lumen output. No UV or IR. Dimmable with choice of MODA drivers. A perfect low energy, low heat output solution for cove, niche, cabinet and display applications. See MODA Metal<sup>®</sup> for extrusion options.



## OUTPUT

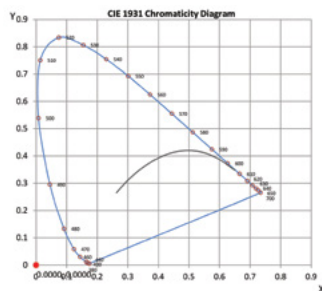
Delivered Lumens	13.03 lm / ft
CCT & SDMC	N/A
Chromaticity Coordinates	x: 0.1421 y: 0.0448 u: 0.1747 v: 0.1239
Color Bin Tolerance	N/A
Efficacy (lm/W)	11.23
CRI	N/A
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

Input Voltage	12V DC
Power Consumption	1.16W per ft (0.11A)*
Power Factor	≤ 1
Control	100-277V 0-10V & Magnetic Low Voltage

\* Varies based on length of run and driver

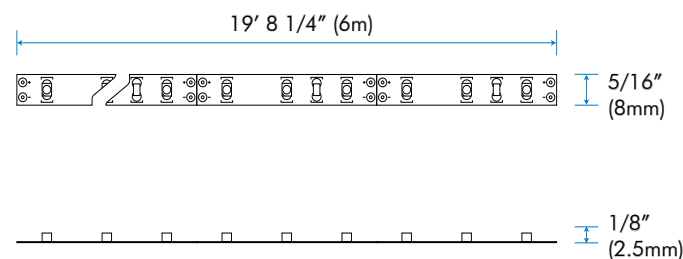
## CIE 1931 CHROMATICITY DIAGRAM



## PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 19' 8 1/4" (6m) Width 5/16" (8mm) Height 1/8" (2.5mm)
LED Spacing	5/8" (14mm)
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**<sup>™</sup>

## STANDARDS & CERTIFICATIONS



RoHS ✓

LM  
79

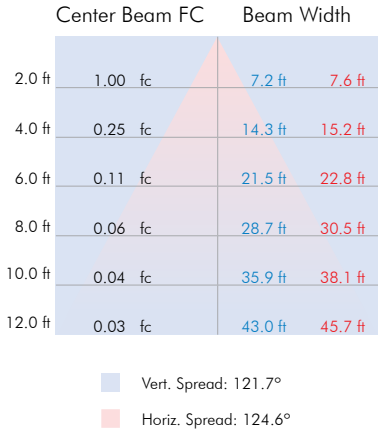
LM  
80

5  
YEAR  
WARRANTY

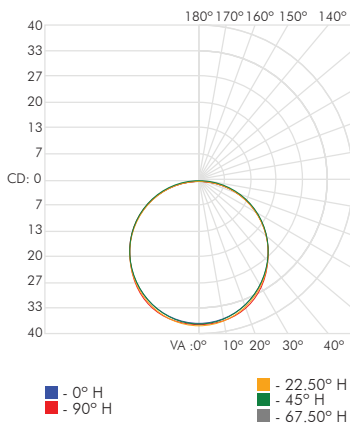
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

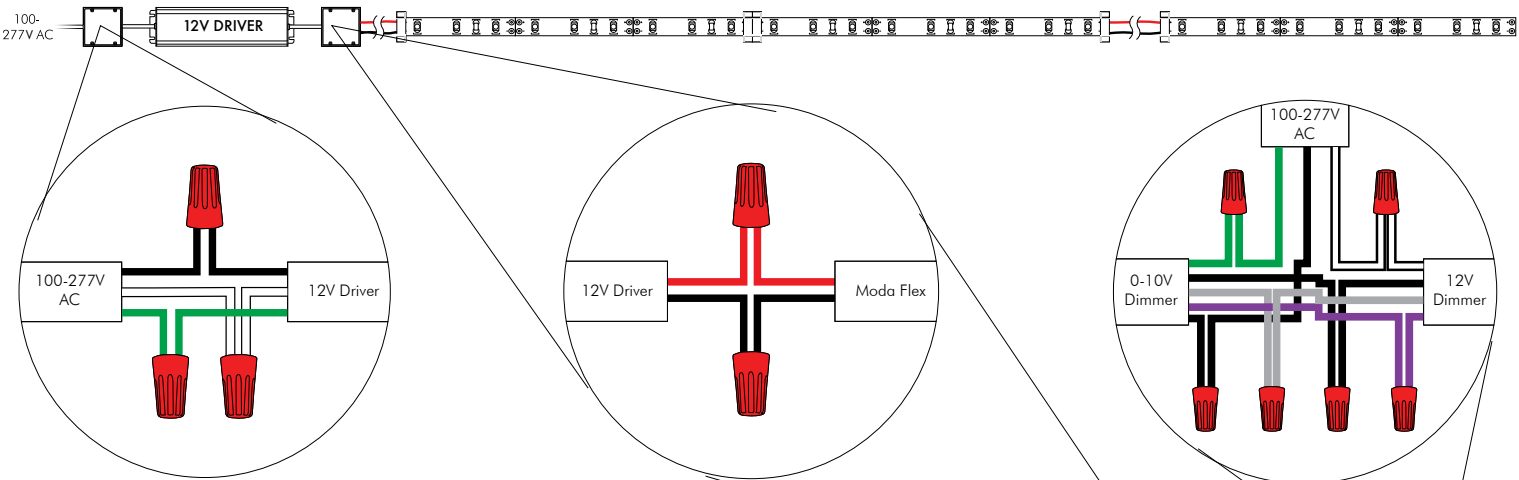
Zone	Lumens	% Lamp	% Fixt
0-30	3.19	N.A.	25.00%
0-40	5.33	N.A.	41.40%
0-60	9.87	N.A.	76.00%
60-90	2.82	N.A.	21.60%
0-90	13.03	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	13.03	N.A.	100.00%

LUMENS PER ZONE

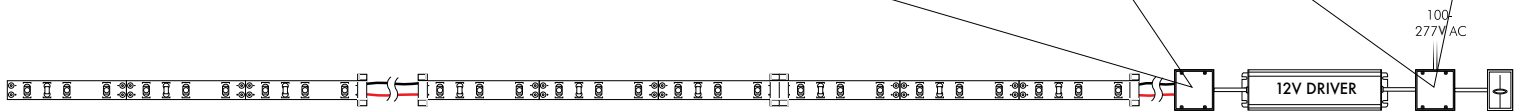
Zone	Lumens	% Lamp	% Fixt
0-10	0.38	N.A.	2.92%
10-20	1.10	N.A.	8.44%
20-30	1.71	N.A.	13.29%
30-40	2.14	N.A.	16.47%
40-50	2.33	N.A.	17.74%
50-60	2.21	N.A.	16.87%
60-70	1.77	N.A.	13.52%
70-80	1.06	N.A.	8.04%
80-90	0.34	N.A.	2.47%
90-100	0.00	N.A.	0.00%

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 STARFLEX to Power Supply

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



**MRTA26**  
**In-Line Connector**

Connects Two STARFLEX Together

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



**MRTA27**  
**4" EZ - Connector for STARFLEX**

Connects Two STARFLEX 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

**STF-B**