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 ® for extrusion options.
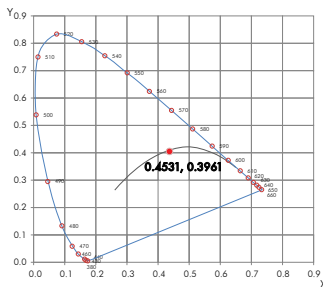
OUTPUT

Delivered Lumens	102.50 lm / ft
CCT & SDMC	2700K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4531 y: 0.3961 u: 0.2647 v: 0.3471
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/W)	73.21
CRI	91
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

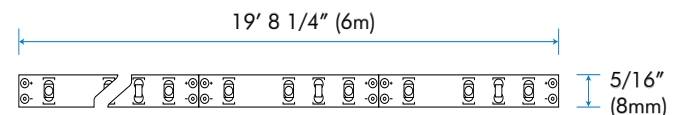|	
Input Voltage	12V DC
Power Consumption	1.4W per ft (0.01A)*
Power Factor	≤ 1
Control	100-277V 0-10V & Magnetic Low Voltage
Emergency	N/A

* Varies based on length of run and driver

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

CIE 1931 CHROMATICITY DIAGRAM

0.4531, 0.3961

R VALUES

R1	R2	R3	R4	R5
91	91	87	90	89

R6	R7	R8	R9	R10
88	89	89	88	87

R11	R12	R13	R14	R15
90	89	92	91	91

DIMENSIONS

19' 8 1/4" (6m)

5/16" (8mm)

1/8" (2.5mm)

MODA TECHNOLOGY

moda**HIGH CRI**

moda**PHOSPHOR**™

STANDARDS & CERTIFICATIONS

ETL · CE · RoHS ✓

LM 79 · LM 80 · 5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	9.49 fc	6.3 ft	6.5 ft
4.0 ft	2.37 fc	12.6 ft	13.1 ft
6.0 ft	1.18 fc	19.0 ft	19.6 ft
8.0 ft	0.59 fc	25.3 ft	26.2 ft
10.0 ft	0.29 fc	31.6 ft	32.7 ft
12.0 ft	0.23 fc	37.9 ft	39.2 ft

Vert. Spread: 115.3°
Horiz. Spread: 117.1°
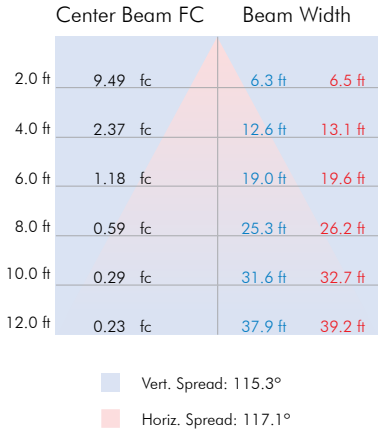
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.50° H
- 45° H
- 67.50° H
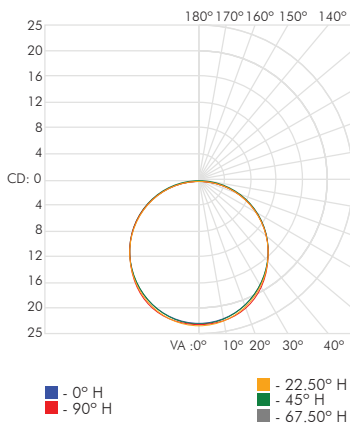
ZONAL LUMEN SUMMARY
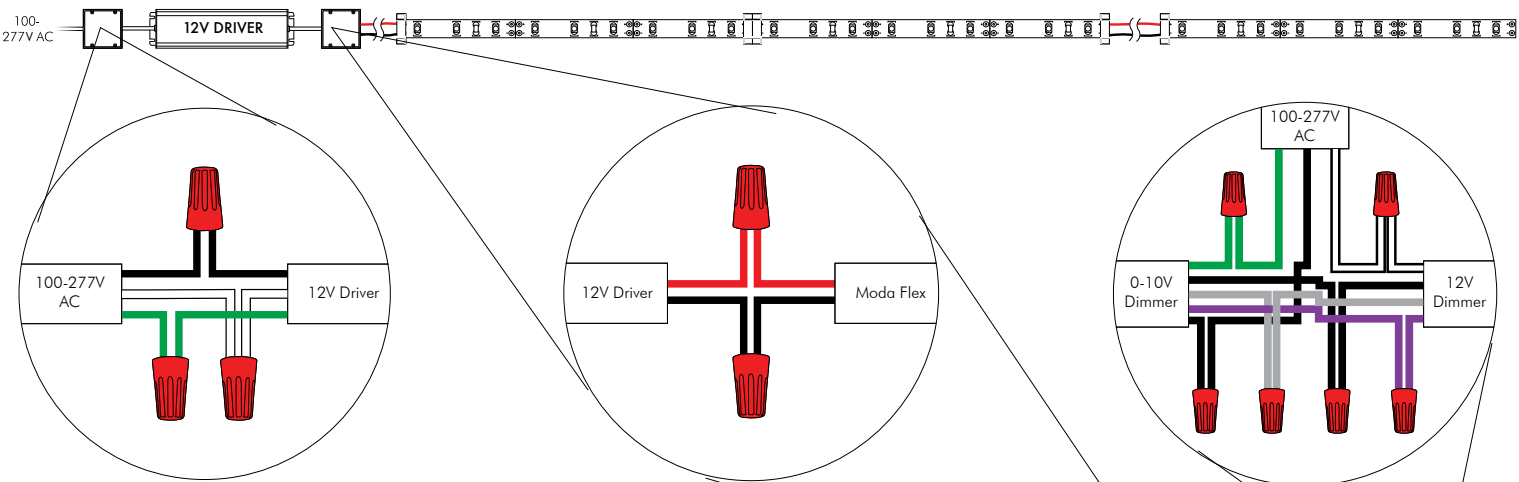
| Zone	Lumens	% Lamp	% Fixt
0-30	27.78	N.A.	27.10%
0-40	45.51	N.A.	44.40%
0-60	80.67	N.A.	78.70%
60-90	1	N.A.	19.10%
0-90	102.50	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	102.50	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	3.37	N.A.	3.29%
10-20	9.67	N.A.	9.44%
20-30	14.69	N.A.	14.34%
30-40	17.76	N.A.	17.33%
40-50	18.47	N.A.	18.02%
50-60	16.69	N.A.	16.29%
60-70	12.59	N.A.	12.29%
70-80	6.97	N.A.	6.80%
80-90	2.23	N.A.	2.18%
90-100	0.00	N.A.	0.00%

WIRING

UL / cUL Non-dimming

UL / cUL ELV Dimming
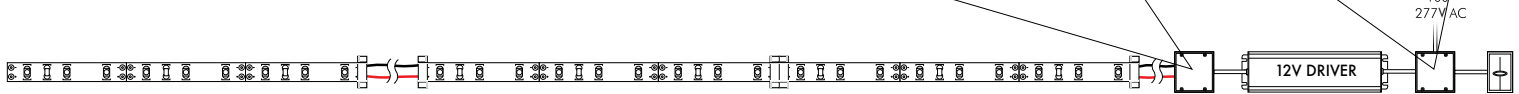
WIRING LEGEND

Power (100-277V AC)
- Power Positive
- Power Negative
- Ground

UL/cUL
- Power Positive
- Power Negative

12V Driver
- Power Positive
- Power Negative
- Ground
- Data Positive
- Data Negative

MAX RUN

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

ACCESSORIES

MRTA25 10' Leader Cable	MRTA26 In-Line Connector	MRTA27 4" EZ - Connector for STARFLEX	MODA SHIELD
Connects STARFLEX to Power Supply	Connects Two STARFLEX Together	Connects Two STARFLEX and Allows for Flexible Corner Bends	Comes in Either Clear (C) or White (W) Finish
L: 1/2" (13mm) W: 1/4" (6mm) H: 1/8" (2mm)	L: 1/2" (13mm) W: 7/16" (10mm) H: 1/8" (2mm)	L: 1/2" (13mm) W: 1/4" (6mm) H: 1/8" (2mm)	4' Section Interior Channel: 5/16" (8mm)

12V 0-10V Dimming Drivers

MP05 347V AC	MP18N 100 - 277V AC	MP86 100 - 277V AC	MP88 100 - 277V
60W - IP66	60W - IP66	100W - IP66	150W - IP66
L: 9 7/16" (240mm) W: 1 3/4" (43mm) H: 1 5/16" (32mm)	L: 9 7/16" (240mm) W: 1 3/4" (43mm) H: 1 5/16" (32mm)	L: 9 1/2" (241mm) W: 2 5/16" (58mm) H: 1 1/2" (37mm)	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-INT-S-S1-W-27-19