moda**LIGHT**
SPECIFICATION

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.
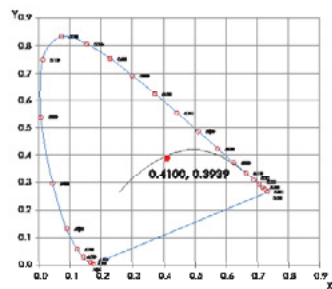
OUTPUT

Delivered Lumens	137.34 lm / ft
CCT & SDMC	3500K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4100 y: 0.3939 u: 0.2375 v: 0.3422
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	98.10
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 (0.01A)*
Power Factor	≤ 1
Dimming	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

DIMENSIONS

19' 8 1/4" (6m)

5/16" (8mm)

1/8" (2.5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.4100, 0.3939

R VALUES

R1	R2	R3	R4	R5
92	92	88	91	90

R6	R7	R8	R9	R10
89	90	90	89	88

R11	R12	R13	R14	R15
91	90	93	92	92
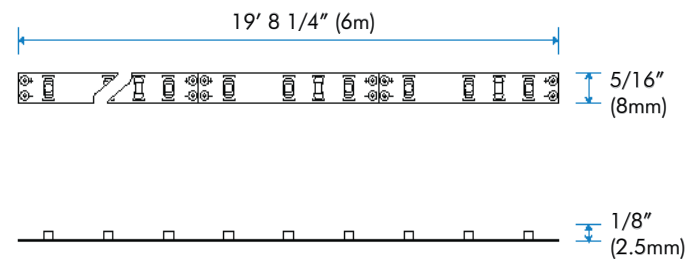
MODA TECHNOLOGY

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	12.70 fc	6.0 ft	5.7 ft
4.0 ft	3.10 fc	12.0 ft	11.4 ft
6.0 ft	1.60 fc	18.0 ft	17.1 ft
8.0 ft	0.80 fc	24.0 ft	22.8 ft
10.0 ft	0.40 fc	30.0 ft	28.5 ft
12.0 ft	0.30 fc	36.1 ft	34.2 ft

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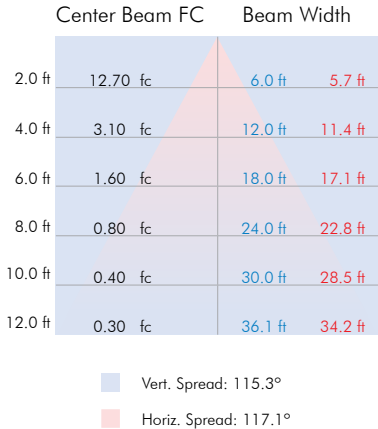
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.60° H
- 45° H
- 67.60° H
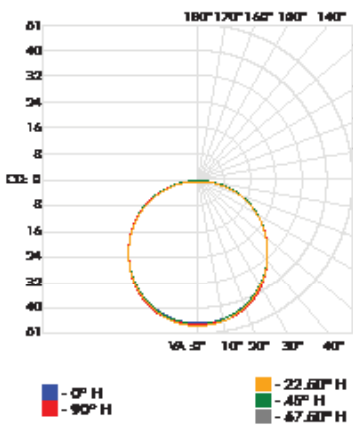
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	37.21	N.A.	27.10%
0-40	61.00	N.A.	44.40%
0-60	108.08	N.A.	78.70%
60-90	1.00	N.A.	19.10%
0-90	137.34	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	137.34	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	4.51	N.A.	3.29%
10-20	13.00	N.A.	9.44%
20-30	19.70	N.A.	14.34%
30-40	23.80	N.A.	17.33%
40-50	24.74	N.A.	18.02%
50-60	22.37	N.A.	16.29%
60-70	16.87	N.A.	12.29%
70-80	9.33	N.A.	6.80%
80-90	3.00	N.A.	2.18%
90-100	0.00	N.A.	0.00%

WIRING

UL / cUL Non-dimming

100-277V AC — 12V DRIVER

100-277V AC → 12V Driver

12V Driver → Moda Flex

100-277V AC / 0-10V Dimmer / 12V Dimmer

UL / cUL ELV Dimming
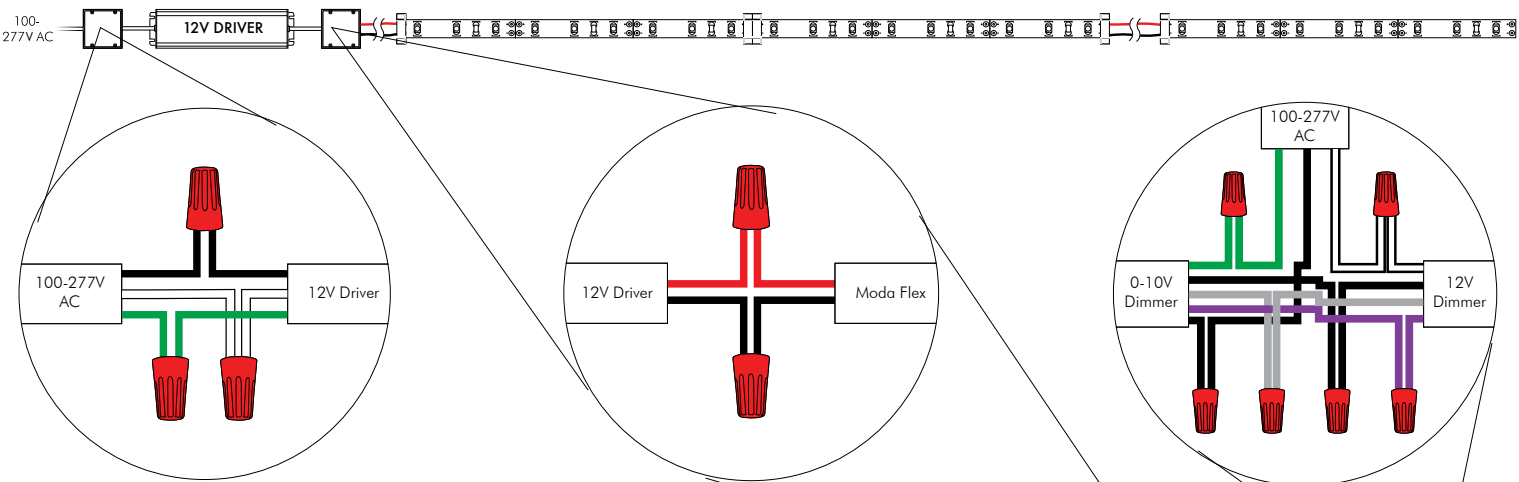
12V DRIVER — 100-277V AC
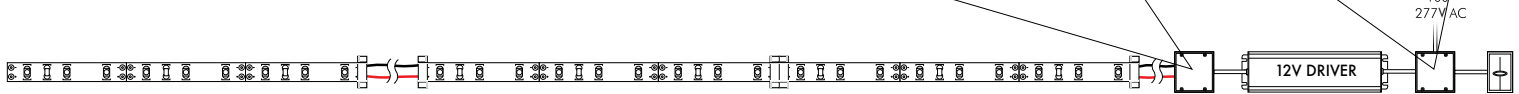
WIRING LEGEND

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

moda LIGHT®
SPECIFICATION

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-35-19