modaLIGHT®
SPECIFICATION

Dimmable Low Profile LED Linear Flex System.

MINI STARFLEX is the thinnest flexible linear product. Designed to deliver a large amount of light in an incredibly small package while still maintaining the high perfomance and quality as the rest of the STARFLEX family. MINI STARFLEX is field cuttable every 1 inch and comes complete with 3M backing for easy installation. No UV or IR. Dimmable with choice of MODA drivers. SEE MODA Metal® for extrusion options.
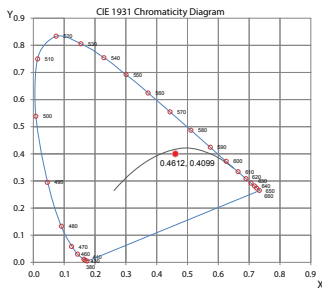
OUTPUT

Delivered Lumens	189.59 lm / ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3866 y: 0.3882 u: 0.2246 v: 0.3383
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	91.59
CRI	82
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

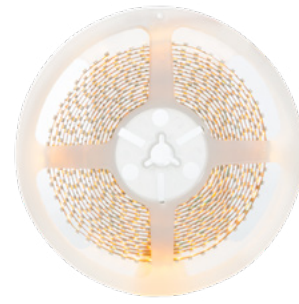|	
Input Voltage	12V DC
Power Consumption	2.07W per ft (0.01A)*
Power Factor	≤ 1
Control	100-277V 0-10V & Magnetic Low Voltage

Varies based on length of run and driver

PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 1/4" (4mm) Height 1/8" (2.5mm)
LED Spacing	1/4" (5mm)
Cutting Distance	1" (25mm)
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	Solder 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

16' 4 13/16" (5m)

11/32" (8mm)

1/8" (2.5mm)

CIE 1931 CHROMATICITY DIAGRAM

CIE 1931 Chromaticity Diagram

0.4612 0.4099

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
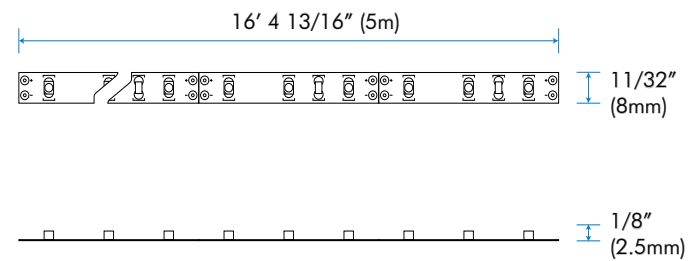
MODA TECHNOLOGY

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	8.17 fc	5.8 ft	6.1 ft
4.0 ft	2.04 fc	11.7 ft	12.1 ft
6.0 ft	0.91 fc	17.5 ft	18.2 ft
8.0 ft	0.51 fc	23.4 ft	24.2 ft
10.0 ft	0.33 fc	29.2 ft	30.3 ft
12.0 ft	0.23 fc	35.1 ft	36.3 ft

Vert. Spread: 111.2°
Horiz. Spread: 113.1°

POLAR CANDELA DISTRIBUTION

Polar Candela Distribution

- 0° H
- 90° H
- 22.5° H
- 45° H
- 67.5° H
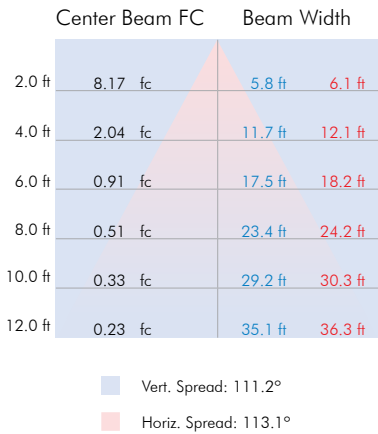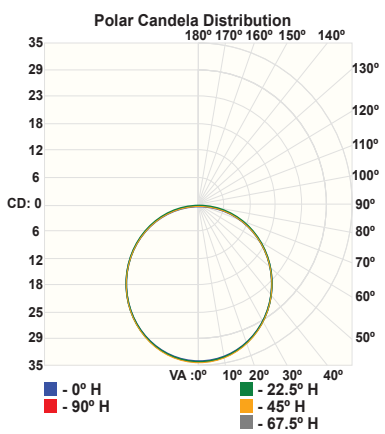
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	37.71	N.A.	27.00%
0-40	61.73	N.A.	44.20%
0-60	108.52	N.A.	77.70%
60-90	23.32	N.A.	16.70%
0-90	134.50	N.A.	96.30%
90-180	5.16	N.A.	3.70%
0-180	139.67	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	6.24	N.A.	3.29%
10-20	17.93	N.A.	9.44%
20-30	27.23	N.A.	14.34%
30-40	32.91	N.A.	17.33%
40-50	34.22	N.A.	18.02%
50-60	30.93	N.A.	16.29%
60-70	23.34	N.A.	12.29%
70-80	12.91	N.A.	6.80%
80-90	4.14	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
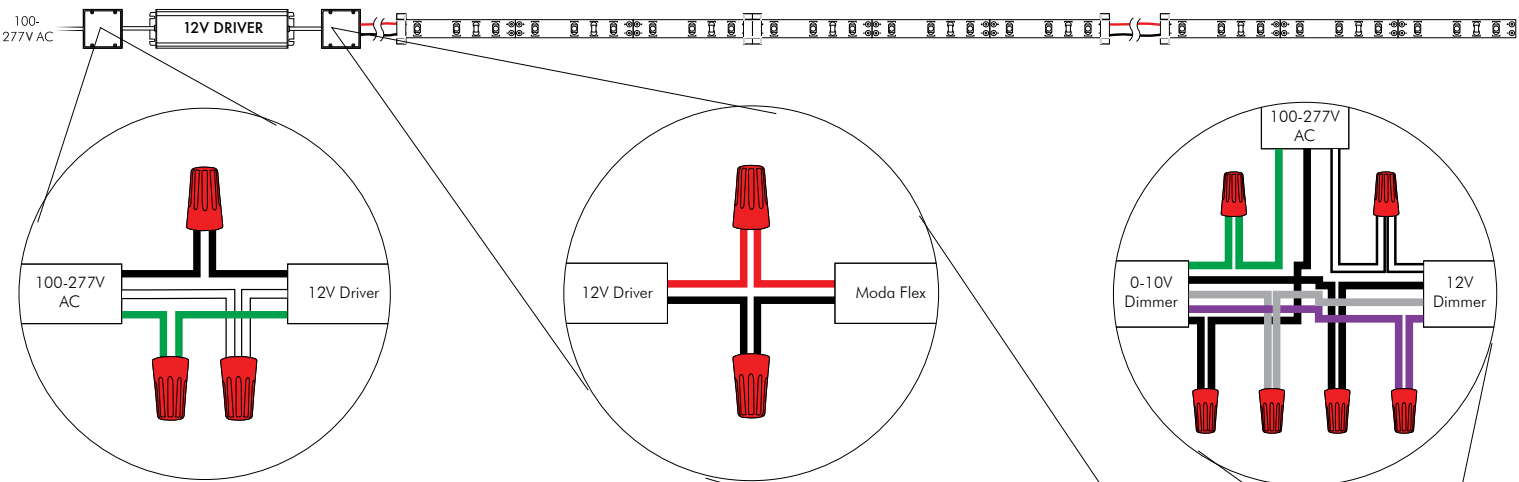
12V DRIVER — 100-277V AC
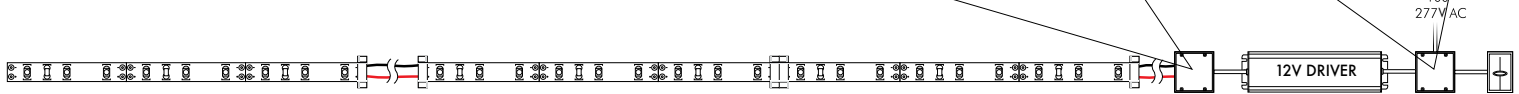
WIRING LEGEND

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

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

MN-STF-4K