modaLIGHT®
SPECIFICATION

Dimmable Low Profile LED Linear Flex System

MINI STARFLEX is the thinnest flexible linear product. Designed to deliver a high light level 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 1in and comes complete with 3M backing for easy installation. No UV or IR. Dimmable with a choice of MODA drivers.

OUTPUT

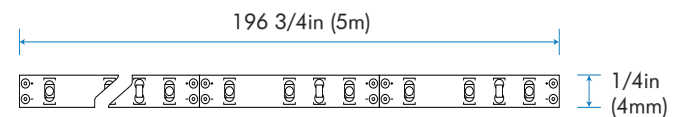|	
Delivered Lumens	176.65 lm/ft
CCT & SDMC	2700K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4531 y: 0.3961 u: 0.2647 v: 0.3471
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	85.34
CRI	82
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

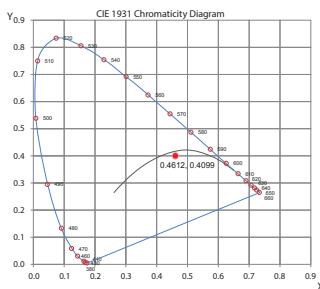|	
Input Voltage	12V DC
Power Consumption	2.07W per ft (0.17A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

PHYSICAL

Applications	IP20 Dry Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 196 3/4in (5m) Width 1/4in (4mm) Height 1/8in (3mm)
LED Spacing	1/4in (5mm)
Cutting Distance	1in (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 Joints
Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS

196 3/4in (5m)

1/4in (4mm)

1/8in (3mm)

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**PHOSPHOR**™

moda**ZERO BIN**™

moda**HIGH CRI**™

STANDARDS & CERTIFICATIONS

c(UL)us   CE   RoHS ✓
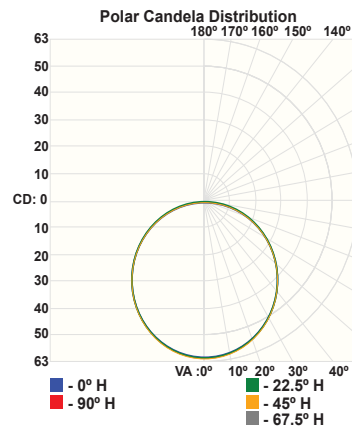
LM 79   LM 80   5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	8.17 fc	5.8 ft	6.5 ft
4.0 ft	2.04 fc	11.7 ft	13.1 ft
6.0 ft	0.91 fc	17.5 ft	19.6 ft
8.0 ft	0.51 fc	23.4 ft	26.2 ft
10.0 ft	0.33 fc	29.2 ft	32.7 ft
12.0 ft	0.23 fc	35.1 ft	39.2 ft

Vert. Spread: 115.3°
Horiz. Spread: 117.1°

POLAR CANDELA DISTRIBUTION

Polar Candela Distribution

- 0° H
- 90° H
- 22.5° H
- 45° H
- 67.5° H

ZONAL LUMEN SUMMARY
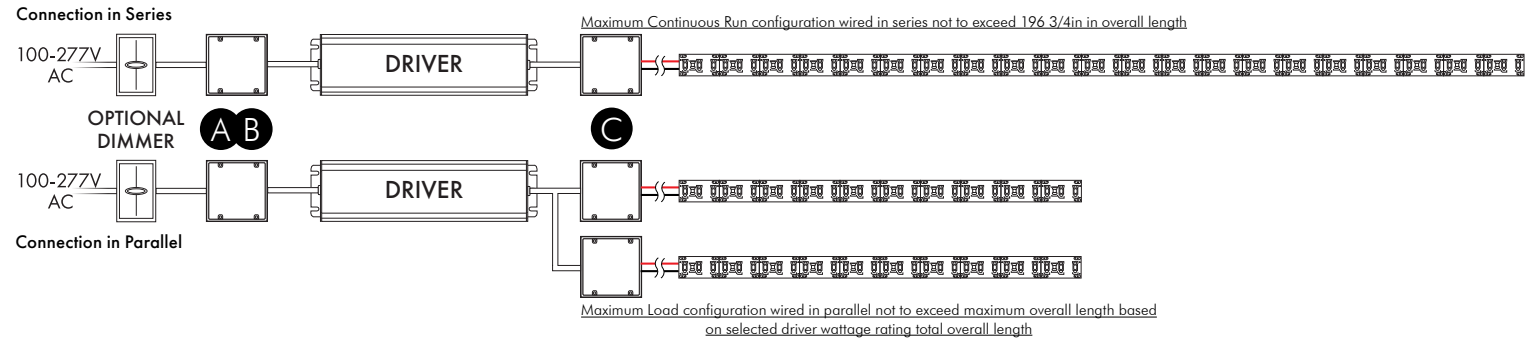
Zone	Lumens	% Lamp	% Fixt
0-30	47.87	N.A.	27.10%
0-40	78.43	N.A.	44.40%
0-60	139.02	N.A.	78.70%
60-90	33.74	N.A.	19.10%
0-90	176.65	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	176.65	N.A.	100.00%

LUMENS PER ZONE

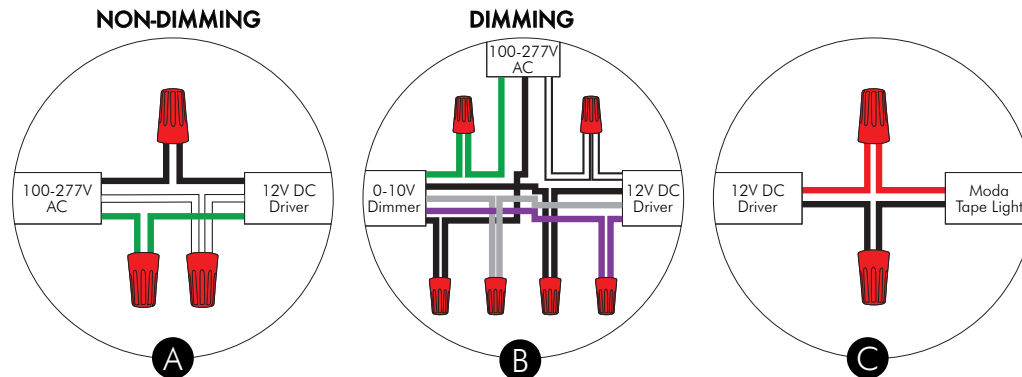| Zone	Lumens	% Lamp	% Fixt
0-10	5.81	N.A.	3.29%
10-20	16.68	N.A.	9.44%
20-30	25.33	N.A.	14.34%
30-40	30.61	N.A.	17.33%
40-50	31.83	N.A.	18.02%
50-60	28.78	N.A.	16.29%
60-70	21.71	N.A.	12.29%
70-80	12.01	N.A.	6.80%
80-90	3.85	N.A.	2.18%
90-100	0.00	N.A.	0.00%

WIRING

UL /cUL Dimming and Non-dimming

Connection in Series

100-277V AC

OPTIONAL DIMMER (A) (B)

DRIVER

(C)

Maximum Continuous Run configuration wired in series not to exceed 196 3/4in in overall length

Connection in Parallel

100-277V AC

DRIVER

Maximum Load configuration wired in parallel not to exceed maximum overall length based on selected driver wattage rating total overall length

Parallel Run Wiring

Multiple connections in parallel can be made provided that each section does not exceed the Max Run Length of the product and does not exceed Max Load on driver.
Example: 3 parallel connections x 196 3/4in lengths ≤ 65 total feet for Max Load determination equipped with 150W driver.

NON-DIMMING (A)

100-277V AC — 12V DC Driver

DIMMING (B)

100-277V AC — 0-10V Dimmer — 12V DC Driver

C

12V DC Driver — Moda Tape Light

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 CONTINUOUS RUN

196 3/4in (5m)

MAX LOAD

60W Driver	26ft
100W Driver	43ft
132W Driver	57ft
150W Driver	65ft

moda LIGHT
SPECIFICATION

FIXTURE	ORDERING SKU
Mini Starflex - IP20 Dry Location 12V DC Reel 2700K HCRI 16.4FT	MN-STF-27K

POWER	ORDERING SKU
12V DC Driver - 100-277V AC Input - Non-Dimmable - 132W - IP20	MP16
12V DC Driver - 347V AC Input - 0-10V Dimmable - 60W - IP20	MP05
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 60W - IP20	MP18N
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 100W - IP20	MP86
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 150W - IP20	MP88