

## 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 performance 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	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%
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

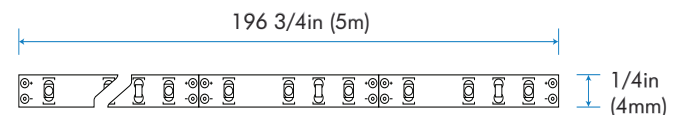
## ELECTRICAL

Input Voltage	12V DC
Power Consumption	2.07W per ft (0.01A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

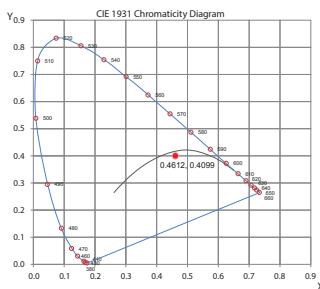
## PHYSICAL

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



## CIE 1931 CHROMATICITY DIAGRAM



## 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**<sup>™</sup>  
moda**ZERO BIN**<sup>™</sup>  
moda**HIGH CRI**<sup>™</sup>

## STANDARDS & CERTIFICATIONS

    
LM 79 LM 80 5 YEAR WARRANTY

Project Name:

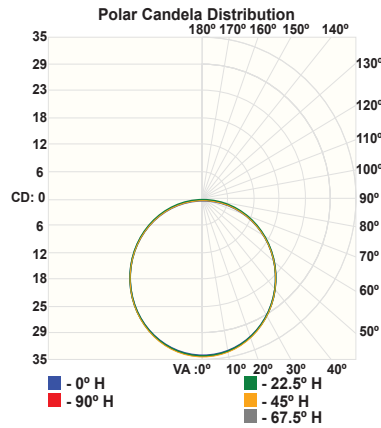
Notes:

## 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



## ZONAL LUMEN SUMMARY

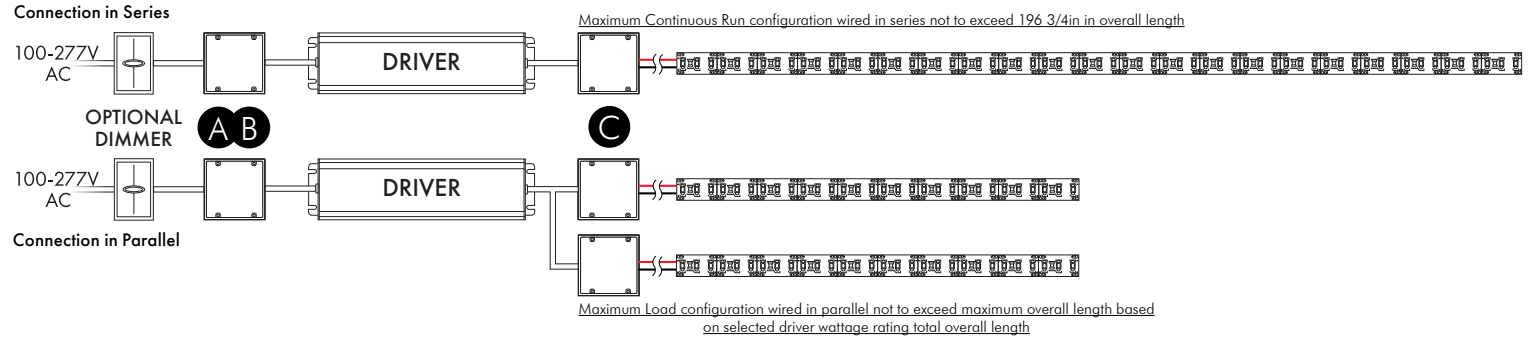
Zone	Lumens	% Lamp	% Fixt
0-30	37.71	N.A.	27.00%
0-40	61.73	N.A.	44.20%
0-60	108.52	N.A.	77.70%
60-90	23.32	N.A.	16.70%
0-90	134.50	N.A.	96.30%
90-180	5.16	N.A.	3.70%
0-180	139.67	N.A.	100.00%

## 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%

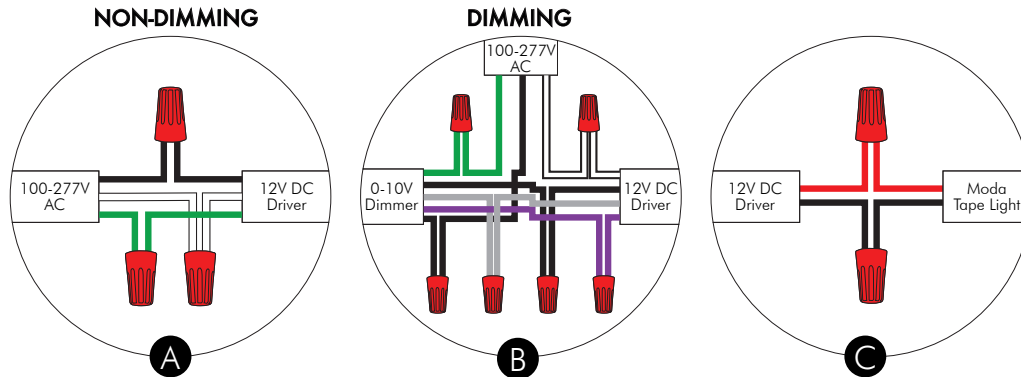
## WIRING

### UL / cUL Dimming and Non-dimming



### 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.



## WIRING LEGEND

12V Driver Primary Side		12V Driver Secondary Side	
Black	Live 100-277V AC	Red	DC Power Positive
White	Neutral AC	Black	DC Power Negative
Green	Ground AC	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

FIXTURE	ORDERING SKU
Mini Starflex - IP20 Dry Location 12V DC Reel 4000K HCRI 16.4FT	MN-STF-4K

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