

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	182.01 lm/ft
CCT & SDMC	3000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4403 y: 0.4081 u: 0.2510 v: 0.3490
Color Bin Tolerance	+/- 3%
Efficacy (lm/w)	87.93
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

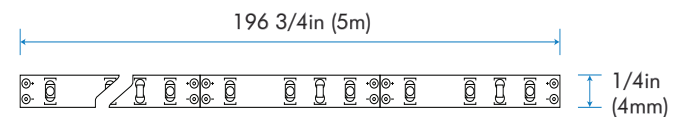
ELECTRICAL

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

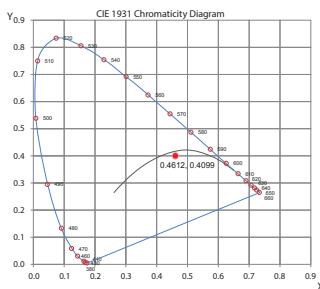
PHYSICAL

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
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**PHOSPHOR**[™]
moda**ZERO BIN**[™]
moda**HIGH CRI**[™]

STANDARDS & CERTIFICATIONS

cUL[®] US
CE
RoHS[✓]
LM 79
LM 80
5 YEAR WARRANTY

Project Name:

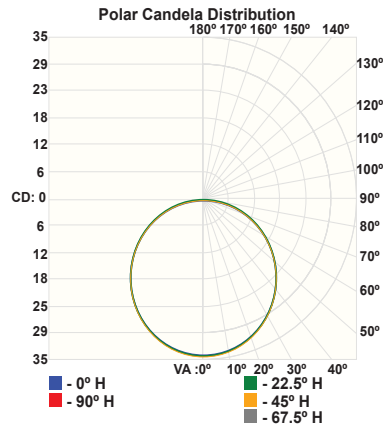
Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	8.17 fc	5.8 ft 6.1 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

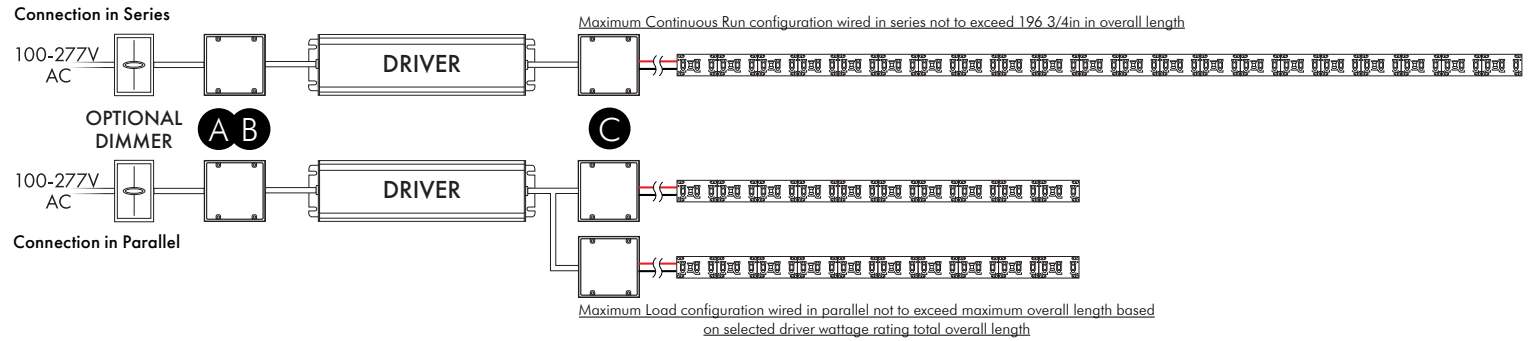
Zone	Lumens	% Lamp	% Fixt
0-30	49.32	N.A.	27.70%
0-40	80.81	N.A.	45.40%
0-60	143.24	N.A.	78.70%
60-90	34.76	N.A.	19.10%
0-90	182.01	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	182.01	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	5.99	N.A.	3.29%
10-20	17.18	N.A.	9.44%
20-30	26.10	N.A.	14.34%
30-40	31.54	N.A.	17.33%
40-50	32.80	N.A.	18.02%
50-60	29.65	N.A.	16.29%
60-70	22.37	N.A.	12.29%
70-80	12.38	N.A.	6.80%
80-90	3.97	N.A.	2.18%
90-100	0.00	N.A.	0.00%

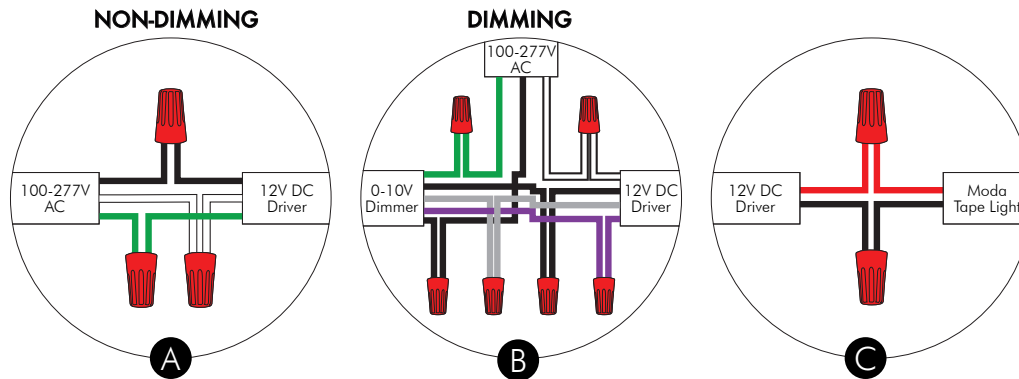
WIRING

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 3000K HCRI 16.4FT	MN-STF-3K

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