

Dimmable Wet Location LED Linear Flex System.

Very high output linear flex system. Superior level of illumination with a high level of delivered lumens per foot. Over 600 high quality SMD LEDs per reel and a unique high copper content FPCB design that allows for stable and consistent thermal management. IP67 wet location rated. Fully field cuttable every 1in and has available accessories for easy field installation. Fully dimmable through use of MODA LIGHT drivers.

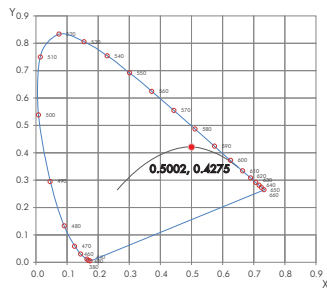
OUTPUT

Delivered Lumens	351.57 lm/ft
CCT & SDMC	2700K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.5002 y: 0.4275 u: 0.2806 v: 0.5397
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	60.61
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	5.8W/ft (0.04A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

CIE 1931 CHROMATICITY DIAGRAM



R VALUES

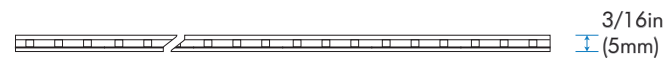
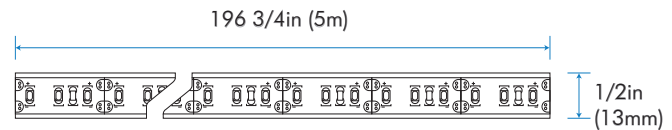
R1	R2	R3	R4	R5
92	92	88	92	91
R6	R7	R8	R9	R10
90	91	88	90	88
R11	R12	R13	R14	R15
91	81	92	91	91



PHYSICAL

Applications	IP67 Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 196 3/4in (5m) Width 1/2in (13mm) Height 3/16in (5mm)
LED Spacing	1/4in (6mm)
Cutting Distance	1in (25mm)
Weight	11.2oz (318g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. White FPCB Inside a Silicone Sleeve
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



MODA TECHNOLOGY

moda**PHOSPHOR**™

moda**ZERO BIN**™

moda**HIGH CRI**™

STANDARDS & CERTIFICATIONS



LM
79

LM
80

5
YEAR
WARRANTY

Project Name:

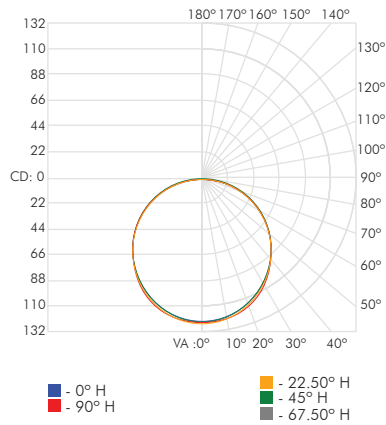
Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	32.50 fc	6.0 ft	6.0 ft
4.0 ft	8.10 fc	12.0 ft	12.0 ft
6.0 ft	4.00 fc	18.0 ft	18.1 ft
8.0 ft	2.00 fc	23.9 ft	24.1 ft
10.0 ft	1.00 fc	29.9 ft	30.1 ft
12.0 ft	0.80 fc	35.9 ft	36.1 ft

■ Vert. Spread: 112.5°
■ Horiz. Spread: 112.8°

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	93.80	N.A.	26.70%
0-40	153.60	N.A.	43.70%
0-60	269.30	N.A.	76.60%
60-90	65.70	N.A.	18.70%
0-90	334.70	N.A.	95.20%
90-180	16.80	N.A.	4.80%
0-180	351.50	N.A.	100.00%

LUMENS PER ZONE

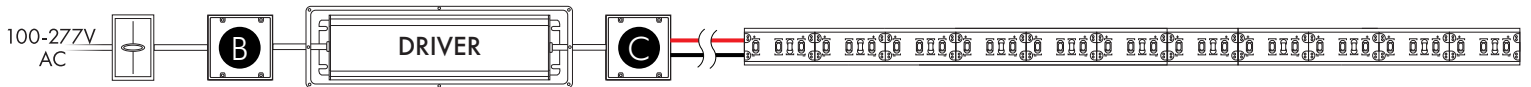
Zone	Lumens	% Lamp	% Fixt
0-10	11.60	N.A.	3.30%
10-20	32.70	N.A.	9.30%
20-30	49.60	N.A.	14.10%
30-40	59.80	N.A.	17.00%
40-50	61.50	N.A.	17.50%
50-60	54.10	N.A.	15.40%
60-70	39.40	N.A.	11.20%
70-80	20.00	N.A.	5.70%
80-90	6.30	N.A.	1.80%
90-100	4.60	N.A.	1.30%

WIRING

UL / cUL Non-dimming



UL / cUL ELV Dimming



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
Grey	Negative 0-10V Data Negative

MAX LOAD

60W Driver	9ft
100W Driver	15ft
132W Driver	20ft
150W Driver	23ft

MAX CONTINUOUS RUN

196 3/4in (5m)

FIXTURE

Super Aquaflex - IP67 Wet Location SO S1White PCB 2700K HCRI 16FT

ORDERING SKU

SAF-EXT-S-S1-W-27-16

POWER

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

ACCESSORIES

Mounting Clip

MRTA61

End Cap

MRTA63

3M Super Silicone Sealant 3 oz

MRTA62

3M Super Silicone Sealant 1/10 Gal

MRTA62-XL