

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.

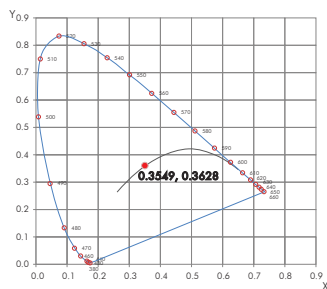
OUTPUT

Delivered Lumens	383.01 lm/ft
CCT & SDMC	3500K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3549 y: 0.3628 u: 0.2134 v: 0.4914
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	66.03
CRI	94
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 per ft (0.04A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

CIE 1931 CHROMATICITY DIAGRAM

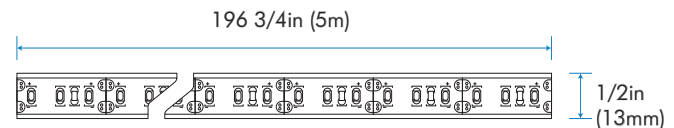


R VALUES

R1	R2	R3	R4	R5
94	94	90	94	93
R6	R7	R8	R9	R10
94	93	90	92	90
R11	R12	R13	R14	R15
93	83	94	93	93

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	1 in (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



MODA TECHNOLOGY

moda**PHOSPHOR**[™]

moda**ZERO BIN**[™]

moda**HIGH CRI**[™]

STANDARDS & CERTIFICATIONS



LM
79

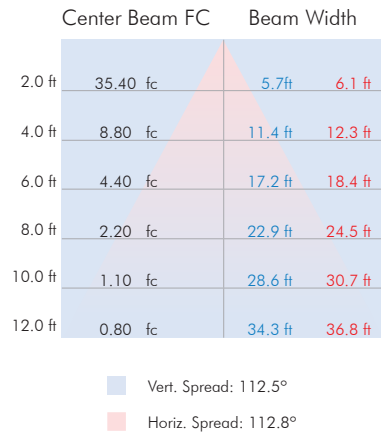
LM
80

5
YEAR
WARRANTY

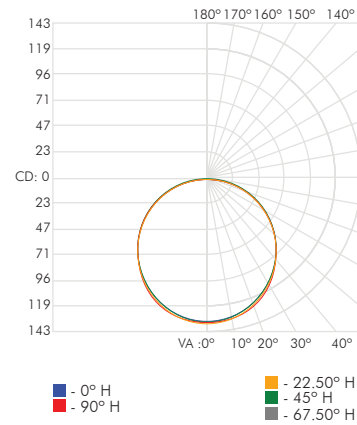
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

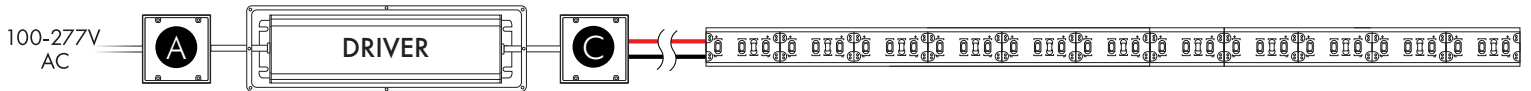
Zone	Lumens	% Lamp	% Fixt
0-30	102.20	N.A.	26.70%
0-40	167.30	N.A.	43.70%
0-60	293.30	N.A.	76.60%
60-90	71.60	N.A.	18.70%
0-90	364.60	N.A.	95.20%
90-180	18.30	N.A.	4.80%
0-180	383.00	N.A.	100.00%

LUMENS PER ZONE

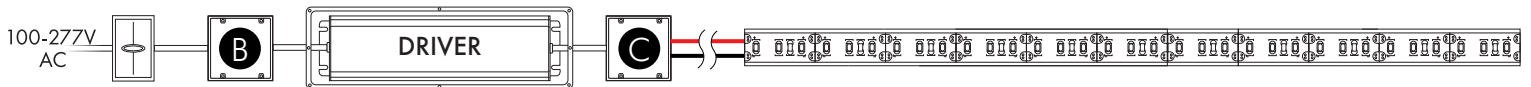
Zone	Lumens	% Lamp	% Fixt
0-10	12.60	N.A.	3.30%
10-20	35.60	N.A.	9.30%
20-30	54.00	N.A.	14.10%
30-40	65.10	N.A.	17.00%
40-50	67.00	N.A.	17.50%
50-60	59.00	N.A.	15.40%
60-70	42.90	N.A.	11.20%
70-80	21.80	N.A.	5.70%
80-90	6.90	N.A.	1.80%
90-100	5.00	N.A.	1.30%

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
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	ORDERING SKU
Linearflex - IP67 Wet Location SO S1White PCB 3500K HCRI 16.4ft	SAF-EXT-S-S1-W-35-16
POWER	ORDERING SKU
12V DC Driver - 100-277V AC Input - Non-Dimmable - 132W - IP67	MP16
12V DC Driver - 347V AC Input - 0-10V Dimmable - 60W - IP66	MP05
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 60W - IP66	MP18N
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 100W - IP66	MP86
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 150W - IP66	MP88
ACCESSORIES	ORDERING SKU
Mounting Clip	MRTA61
End Cap	MRTA63
3M Super Silicone Sealant 3 oz	MRTA62
3M Super Silicone Sealant 1/10 Gal	MRTA62-XL