

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 LED's 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 1" and has available accessories for easy field installation. Fully dimmable through use of MODA LIGHT drivers. See MODA Metal[®] for extrusion options.



OUTPUT

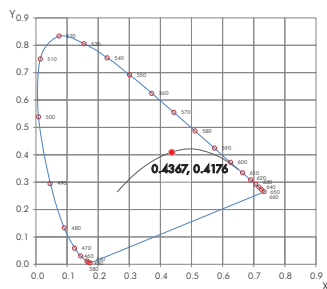
Delivered Lumens	372.50 lm / ft
CCT & SDMC	3000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4367 y: 0.4176 u: 0.2447 v: 0.5265
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	64.22
CRI	92
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	12v DC
Power Consumption	5.8w per ft (0.04A)*
Power Factor	≤ 1
Dimming	100 - 277v 0-10v & Magnetic Low Voltage
Emergency	N/A

*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



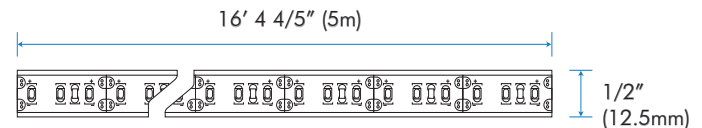
R VALUES

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	Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 4/5" (5m) Width 1/2" (12.5mm) Height 1/5" (4.5mm)
LED Spacing	1/5" (6mm)
Cutting Distance	1" (25mm)
Weight	11.2oz (317.5g) 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 ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS



MODA TECHNOLOGY

moda**HIGH CRI**

moda**PHOSPHOR[™]**

STANDARDS & CERTIFICATIONS



LM
79

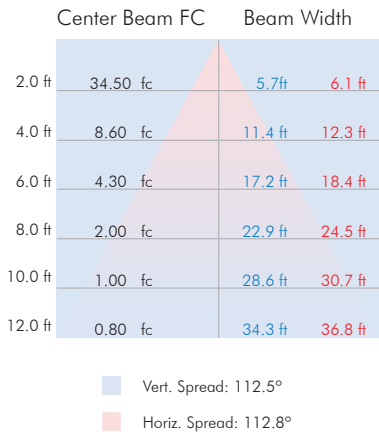
LM
80

5
YEAR
WARRANTY

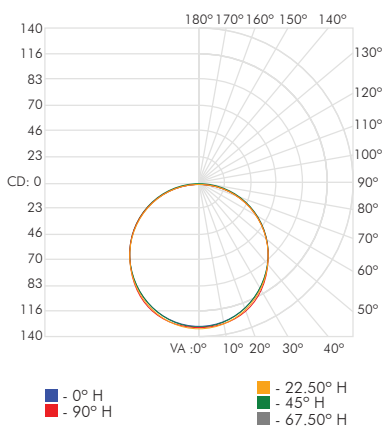
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

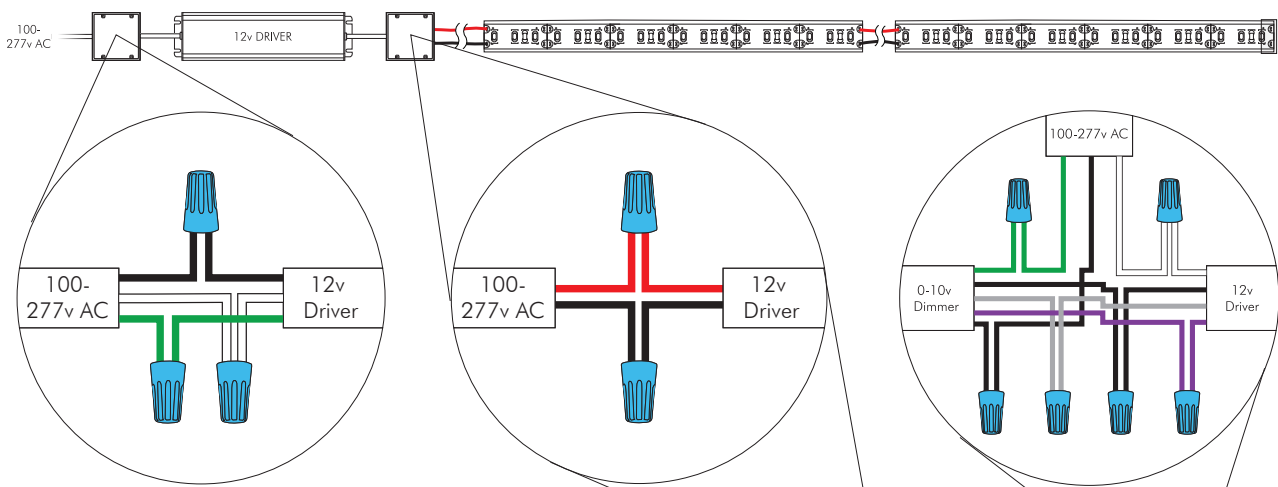
Zone	Lumens	% Lamp	% Fixt
0-30	99.40	N.A.	26.70%
0-40	162.70	N.A.	43.70%
0-60	285.30	N.A.	76.60%
60-90	69.60	N.A.	18.70%
0-90	354.60	N.A.	95.20%
90-180	17.80	N.A.	4.80%
0-180	372.50	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	12.30	N.A.	3.30%
10-20	34.60	N.A.	9.30%
20-30	52.50	N.A.	14.10%
30-40	63.30	N.A.	17.00%
40-50	65.10	N.A.	17.50%
50-60	57.30	N.A.	15.40%
60-70	41.70	N.A.	11.20%
70-80	21.20	N.A.	5.70%
80-90	6.70	N.A.	1.80%
90-100	4.80	N.A.	1.30%

WIRING

UL / cUL Non-dimming



UL / cUL ELV Dimming



WIRING LEGEND

Power (100-277v AC)	UL/cUL	12v Driver
<div></div> Power Positive	<div></div> Power Positive	<div></div> Power Positive
<div></div> Power Negative	<div></div> Power Negative	<div></div> Power Negative
<div></div> Ground		<div></div> Ground
		<div></div> Data Positive
		<div></div> Data Negative

MAX CONTINUOUS RUN

60w Driver	9ft
100w Driver	16ft
132w Driver	20ft
150w Driver	24ft

ACCESSORIES



MRTA61 MOUNTING CLIPS

Screws into Surface to Hold SUPER-AQUAFLEX

Two Screws
1/2" (13mm) | L: 1 1/5" (30mm)
W: 1/5" (6mm)
H: 1/5" (5mm)



MRTA63 END CAP

Terminates SUPER-AQUAFLEX to
Protect FPCB From Dust or Water

L: 3/5" (15mm)
W: 1/5" (5mm)
H: 1/5" (5mm)



MRTA62 3M Marine Grade Super Silicone Sealant

Applied Between SUPER-AQUAFLEX, Connectors or
End Caps to Seal From Exposure to Moisture

Super Silicone Sealant
3oz



MRTA62-XL 3M Marine Grade Silicone Super Silicone Sealant

Applied Between SUPER-AQUAFLEX, Connectors or
End Caps to Seal From Exposure to Moisture

Super Silicone Sealant
1/10 gal

12v 0-10v Dimming Drivers



MP05 347v AC

60w - IP66

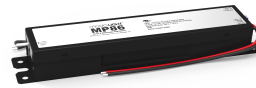
L: 9 2/5" (240mm)
W: 1 7/10" (43mm)
H: 1 3/10" (32mm)



MP18N 100 - 277v AC

60w - IP66

L: 9 2/5" (240mm)
W: 1 7/10" (43mm)
H: 1 3/10" (32mm)



MP86 100 - 277v AC

100w - IP66

L: 9 1/2" (241mm)
W: 2 3/10" (58mm)
H: 1 1/2" (37mm)



MP88 100 - 277v

150w - IP66

L: 9 1/2" (241mm)
W: 2 3/5" (67mm)
H: 1 3/5" (40.5mm)

12v Non Dimming Drivers



MP16 100 - 277v AC

132w - IP67

L: 8 7/10" (222mm)
W: 2 7/10" (68mm)
H: 1 1/2" (39mm)

STANDARDS & CERTIFICATIONS

Certification	Tested to UL & CSA by ETL For Use in USA & CANADA, Complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.
Class	3
Environment	Wet Location - IP66
Warranty	5 Year Limited Warranty

ORDERING

SAF-EXT-S-S1-W-3H-16