

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

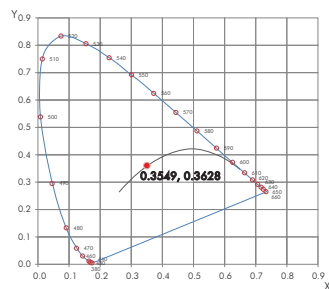
Delivered Lumens	383.01 lm / ft
CCT & SDMC	3500K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3549 y: 0.3628 u: 0.2134 v: 0.4914
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	66.03
CRI	94
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours 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
Dimming	100 - 277v 0-10v & Magnetic Low Voltage
Emergency	N/A

*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



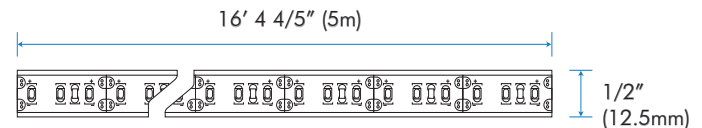
R VALUES

R1	R2	R3	R4	R5
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	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

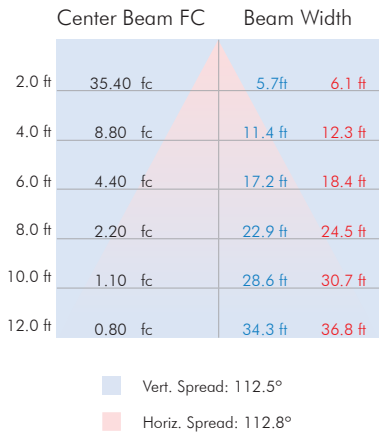
LM
80

5
YEAR
WARRANTY

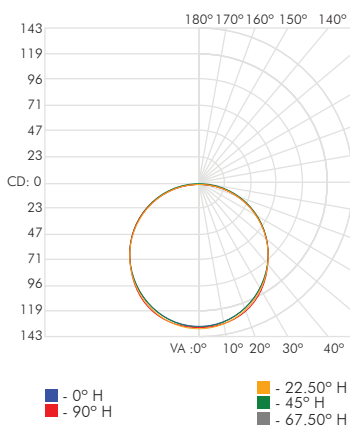
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

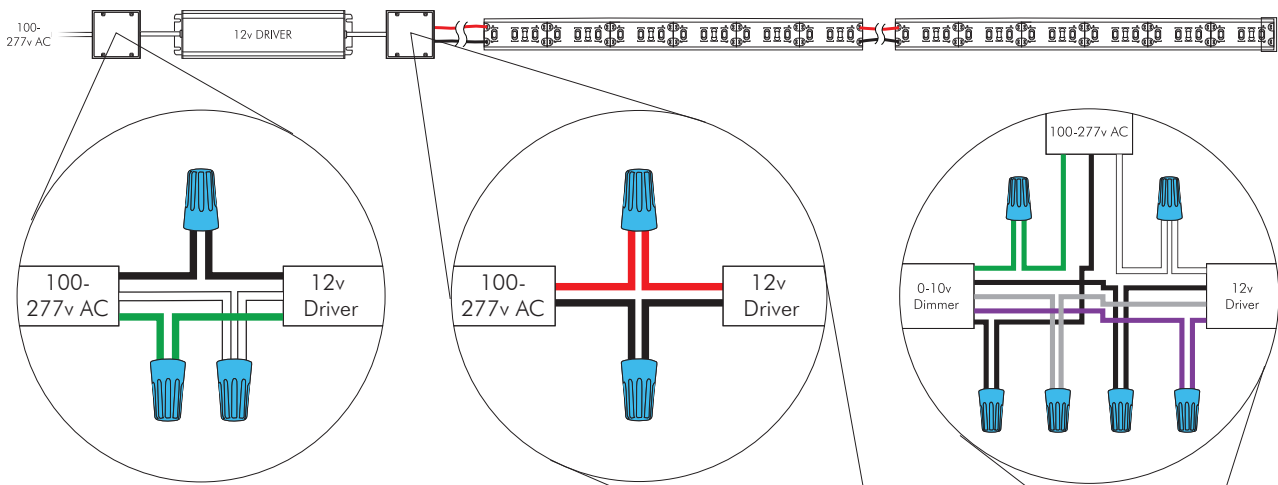
Zone	Lumens	% Lamp	% Fixt
0-30	102.20	N.A.	26.70%
0-40	167.30	N.A.	43.70%
0-60	293.30	N.A.	76.60%
60-90	71.60	N.A.	18.70%
0-90	364.60	N.A.	95.20%
90-180	18.30	N.A.	4.80%
0-180	383.00	N.A.	100.00%

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

Power (100-277v AC)	UL/cUL	12v Driver
Power Positive	Power Positive	Power Positive
Power Negative	Power Negative	Power Negative
Ground		Ground
		Data Positive
		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-35-16

Due to continuous improvements and innovations, specifications may change without notice. Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.