modaLIGHT®
SPECIFICATION

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.
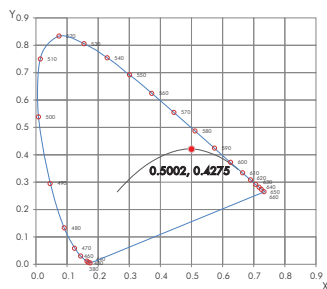
OUTPUT

Delivered Lumens	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% / -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 per ft (0.04A)*
Power Factor	≤ 1
Dimming	100-277v 0-10v & Magnetic Low Voltage
Emergency	N/A

* Varies based on run and driver

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

16' 4 4/5" (5m)

1/2" (12.5mm)

1/5" (4.5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.5002, 0.4275

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
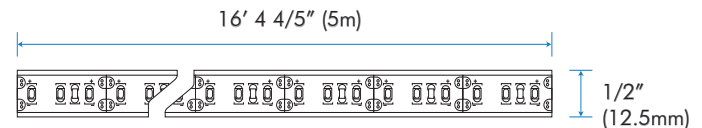
MODA TECHNOLOGY

moda**HIGH CRI**

moda**PHOSPHOR**™

STANDARDS & CERTIFICATIONS

ETL c us   CE   RoHS APPROVED

LM 79   LM 80   5 YEAR WARRANTY

Project Name:

Notes:

955 White Drive Las Vegas, NV 89119 | T: 702 407 7775
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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°
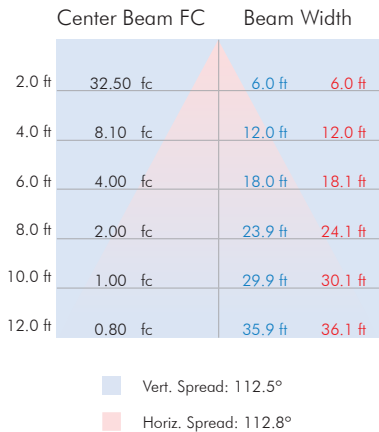
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.50° H
- 45° H
- 67.50° H
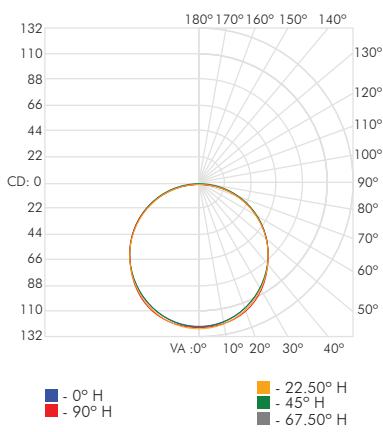
ZONAL LUMEN SUMMARY

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
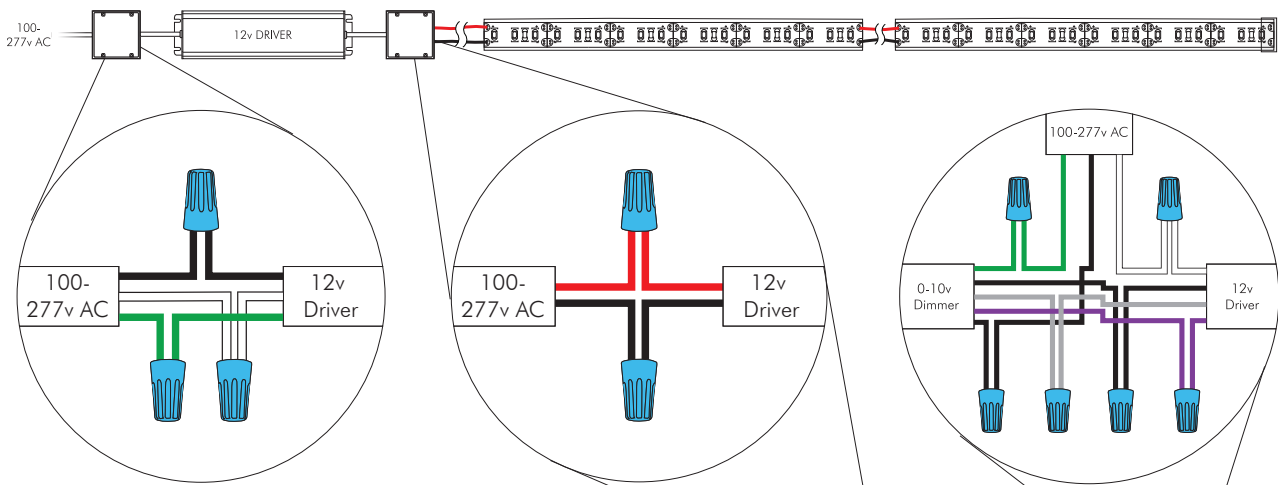
UL / cUL ELV Dimming

WIRING LEGEND

Power (100-277v AC)
- Power Positive
- Power Negative
- Ground

UL/cUL
- Power Positive
- Power Negative

12v Driver
- Power Positive
- Power Negative
- Ground
- Data Positive
- Data Negative

MAX CONTINUOUS RUN

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

ACCESSORIES

MRTA61 **MOUNTING CLIPS**	**MRTA63** **END CAP**	**MRTA62** **3M Marine Grade** **Super Silicone Sealant**	**MRTA62-XL** **3M Marine Grade Silicone** **Super SIlicone Sealant**
Screws into Surface to Hold SUPER-AQUAFLEX	Terminates SUPER-AQUAFLEX to Protect FPCB From Dust or Water	Applied Between SUPER-AQUAFLEX, Connectors or End Caps to Seal From Exposure to Moisture	Applied Between SUPER-AQUAFLEX, Connectors or End Caps to Seal From Exposure to Moisture
Two Screws 1/2" (13mm) · L: 1 1/5" (30mm) W: 1/5" (6mm) H: 1/5" (5mm)	L: 3/5" (15mm) W: 1/5" (5mm) H: 1/5" (5mm)	Super Silicone Sealant 3oz	Super Silicone Sealant 1/10 gal

12v 0-10v Dimming Drivers

MP05 **347v AC**	**MP18N** **100 - 277v AC**	**MP86** **100 - 277v AC**	**MP88** **100 - 277v**
60w - IP66	60w - IP66	100w - IP66	150w - IP66
L: 9 2/5" (240mm) W: 1 7/10" (43mm) H: 1 3/10" (32mm)	L: 9 2/5" (240mm) W: 1 7/10" (43mm) H: 1 3/10" (32mm)	L: 9 1/2" (241mm) W: 2 3/10" (58mm) H: 1 1/2" (37mm)	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-27-16