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.
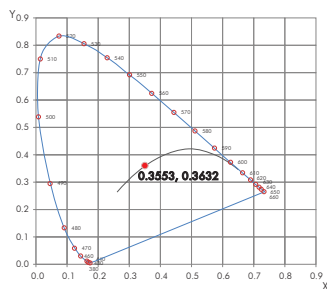
OUTPUT

Delivered Lumens	394.18 lm / ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3553 y: 0.3632 u: 0.2138 v: 0.4917
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	68.00
CRI	93
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

0.3553, 0.3632

R VALUES

R1	R2	R3	R4	R5
93	93	89	93	92

R6	R7	R8	R9	R10
93	92	89	91	89

R11	R12	R13	R14	R15
92	82	93	92	92
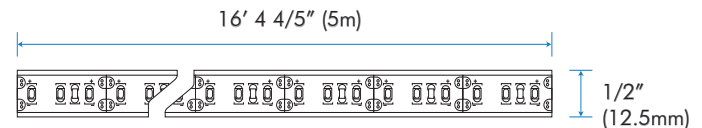
MODA TECHNOLOGY

moda**HIGH CRI**

moda**PHOSPHOR**™

STANDARDS & CERTIFICATIONS

ETL — CE — RoHS APPROVED

LM 79 — LM 80 — 5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	36.40 fc	5.7ft	6.1 ft
4.0 ft	9.10 fc	11.4 ft	12.3 ft
6.0 ft	4.50 fc	17.2 ft	18.4 ft
8.0 ft	2.20 fc	22.9 ft	24.5 ft
10.0 ft	1.10 fc	28.6 ft	30.7 ft
12.0 ft	1.00 fc	34.3 ft	36.8 ft

Vert. Spread: 112.5°
Horiz. Spread: 112.8°
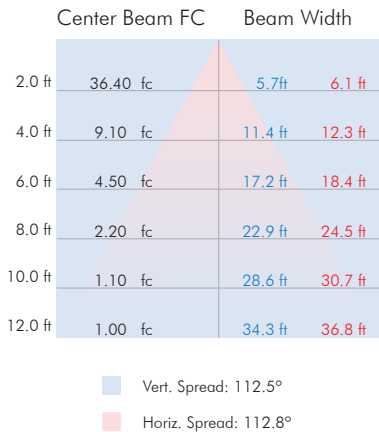
POLAR CANDELA DISTRIBUTION

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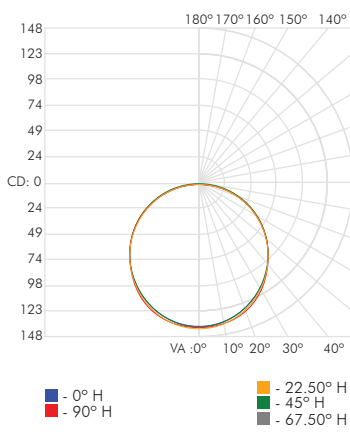
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	105.20	N.A.	26.70%
0-40	172.20	N.A.	43.70%
0-60	301.90	N.A.	76.60%
60-90	73.70	N.A.	18.70%
0-90	375.20	N.A.	95.20%
90-180	19.00	N.A.	4.80%
0-180	394.10	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	13.00	N.A.	3.30%
10-20	36.60	N.A.	9.30%
20-30	55.50	N.A.	14.10%
30-40	67.00	N.A.	17.00%
40-50	69.00	N.A.	17.50%
50-60	60.70	N.A.	15.40%
60-70	44.10	N.A.	11.20%
70-80	22.40	N.A.	5.70%
80-90	7.00	N.A.	1.80%
90-100	5.10	N.A.	1.30%

WIRING

UL / cUL Non-dimming
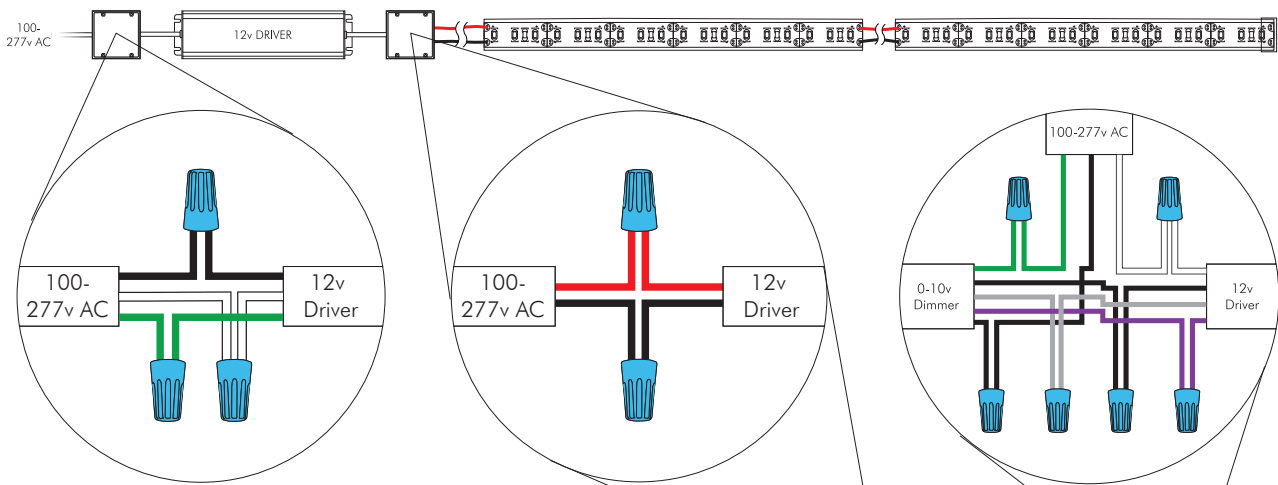
UL / cUL ELV Dimming
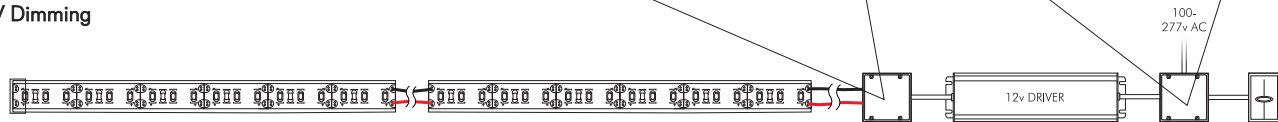
WIRING LEGEND

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-4H-16