

Dimmable LED Linear Flex System
LINEARFLEX HCRI is a high quality polyepoxide flexible SSL solution. Integral IC's regulate power to each LED creating constant brightness and uniform life. Field cuttable at designated cutting points. Easy to install push to fit solderless range of wet location accessories completes a professional project. UV Protected. This product is sold by the meter, please consult factory. See MODA Metal [®] for extrusion options.

OUTPUT

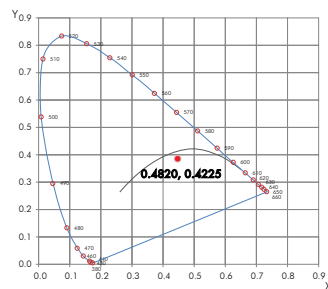
Delivered Lumens	83.75 lm / ft
CCT & SDMC	3000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4342 y: 0.3985 u: 0.2512 v: 0.5188
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/W)	59.82
CRI	93
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	24V DC
Power Consumption	1.4W per ft (0.01A)*
Power Factor	≤ 1
Control	100-277V 0-10V & Magnetic Low Voltage
Emergency	N/A

* Varies based on length of run and driver

CIE 1931 CHROMATICITY DIAGRAM



R VALUES

R1	R2	R3	R4	R5
91	91	87	91	90
R6	R7	R8	R9	R10
89	90	87	89	87
R11	R12	R13	R14	R15
90	80	91	90	90

Project Name:

Notes:

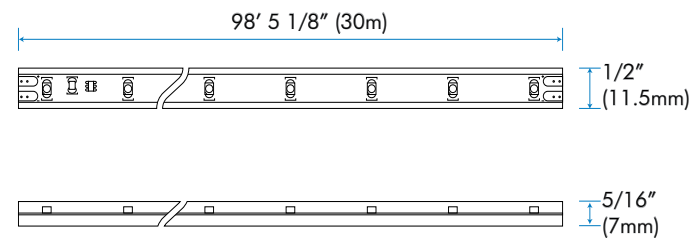
LINEARFLEX[®] EXTERIOR 3000K HCRI



PHYSICAL

Applications	Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 98' 5 1/10" (30m) Width 1/2" (11.5mm) Height 3/10" (7mm)
LED Spacing	9/10" (22mm)
Cutting Distance	6 1/2" (165mm)
Weight	7.3lbs (3.31Kg) Per Reel
Construction	Tough Polyepoxide UV Protected Body
Thermal Management	N/A
Optics	N/A
Fixture Connections	Push to Fit Connectors
Operating Temperature	-4°F ~ 113°F (-20°C ~ 45°C)
Storage Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Humidity	0-95% Non Condensing

DIMENSIONS



MODA TECHNOLOGY

moda**HIGH CRI**
moda**PHOSPHOR**[™]

STANDARDS & CERTIFICATIONS



RoHS ☒

LM
79

LM
80

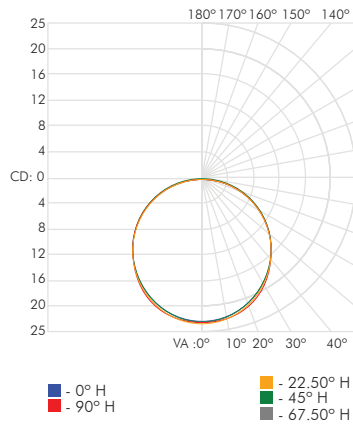
5
YEAR
WARRANTY

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	7.70 fc	6.4 ft 6.8 ft
4.0 ft	2.00 fc	12.8 ft 13.6 ft
6.0 ft	1.00 fc	19.2 ft 20.5 ft
8.0 ft	0.40 fc	25.6 ft 27.3 ft
10.0 ft	0.20 fc	32.0 ft 34.1 ft
12.0 ft	0.20 fc	38.3 ft 40.9 ft

■ Vert. Spread: 115.9°
■ Horiz. Spread: 119.3°

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

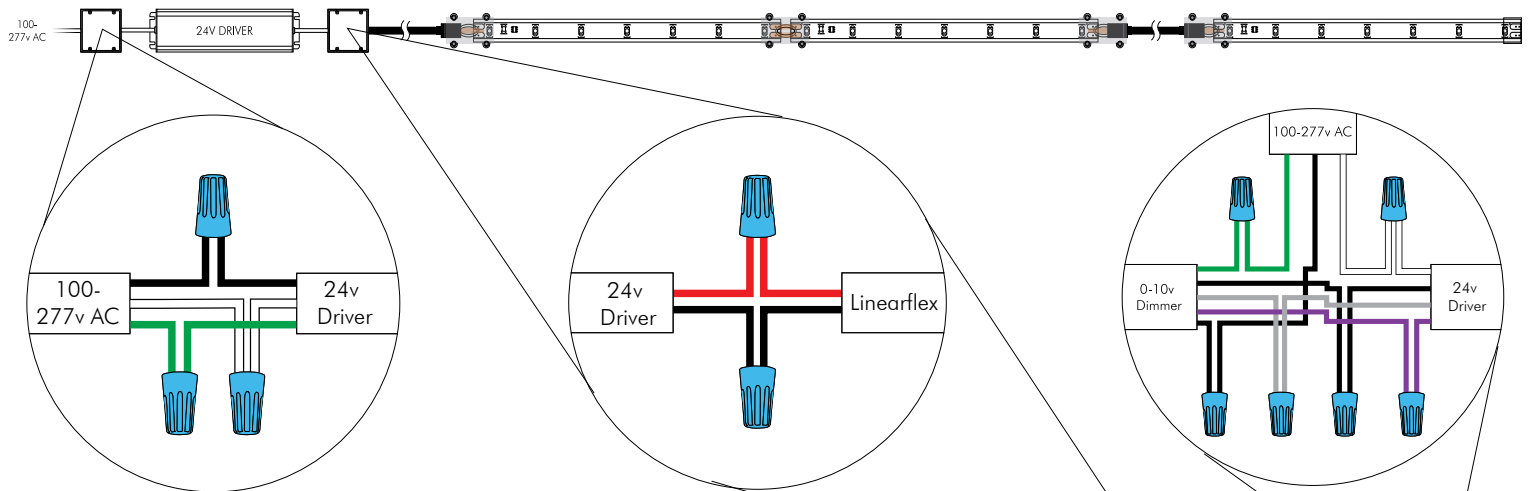
Zone	Lumens	% Lamp	% Fixt
0-30	23.20	N.A.	27.80%
0-40	38.10	N.A.	45.50%
0-60	65.00	N.A.	77.6%
60-90	14.00	N.A.	16.70%
0-90	79.00	N.A.	94.30%
90-180	4.70	N.A.	5.70%
0-180	83.70	N.A.	100.00%

LUMENS PER ZONE

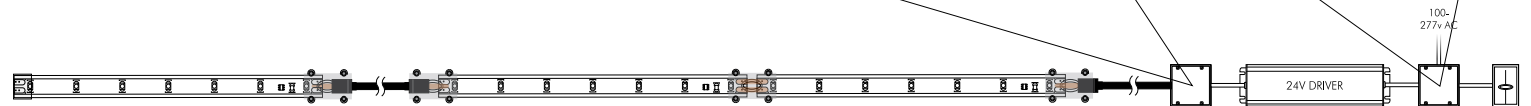
Zone	Lumens	% Lamp	% Fixt
0-10	2.80	N.A.	3.40%
10-20	8.10	N.A.	9.70%
20-30	12.30	N.A.	14.70%
30-40	15.00	N.A.	17.80%
40-50	15.00	N.A.	17.80%
50-60	12.00	N.A.	14.30%
60-70	7.20	N.A.	8.70%
70-80	4.20	N.A.	5.10%
80-90	2.40	N.A.	2.90%
90-100	1.30	N.A.	1.60%

WIRING

UL / cUL Non-dimming



UL / cUL ELV Dimming



WIRING LEGEND

Power (100-277V AC)	24V Driver	0-10V Dimmer
— Power Positive	— Power Positive	— Power Positive
— Power Negative	— Power Negative	— Power Negative
— Ground		— Ground
		— Data Positive
		— Data Negative

MAX CONTINUOUS RUN

60W Driver	39ft
100W Driver	64ft
150W Driver	96ft

ACCESSORIES



MRTA08
5' Leader Cable

Connects LINEARFLEX to Power Supply

Cable Dimension	Connector Dimension
5' (1.5m)	L: 1 7/10" (44mm)
	W: 1 1/5" (30mm)
	H: 7/10" (19mm)



MRTA06
InLine Connector

Connects Two LINEARFLEX Together

L: 1 7/10" (44mm)
W: 1 1/5" (30mm)
H: 7/10" (19mm)



MRTA62
3M Marine Grade
Super Silicone Sealant

Applied Between LINEARFLEX, 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 LINEARFLEX, Connectors or End Caps to Seal From Exposure to Moisture

Super Silicone Sealant
1/10 gal



MRTA07
1' Jumper Cable

Connects Two LINEARFLEX and Allows for Flexible Corner

L: 1 7/10" (44mm)
W: 1 1/5" (30mm)
H: 7/10" (19mm)



MRTA04
Mounting Clip

Screws Into Surface to Hold LINEARFLEX

Two Screws	L: 1 1/10" (29mm)
7/10" (17mm)	W: 3/10" (8mm)
	H: 7/10" (18mm)



MRTA02
End Cap

Terminates LINEARFLEX to Protect FPCB From Dust or Water

L: 3/5" (16mm)
W: 2/5" (10mm)
H: 7/10" (18mm)

24v 0-10v Dimming Drivers



MP06
347V AC

60w - IP66

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



MP19N
100 - 277V AC

60w - IP66

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



MP87
100 - 277V AC

100w - IP66

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



MP89
100 - 277V

150w - IP66

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

24v Non Dimming Drivers



MP17
100-277V AC

150w - 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 - IP67
Warranty	3 Year Limited Warranty

ORDERING

LNF-EXT-S-S1-W-3H-3