

High Output Dimmable LED Linear Flex System.
Built from high quality SMD LEDs with a unique high copper content FPCB design that allows for stable and consistent thermal management. POWERFLEX HCRI is field cuttable every 2" with easy installation using 3m self adhesive backing and multiple accessories for field customizing. Fully dimmable through use of MODA LIGHT drivers. See MODA Metal[®] for extrusion options.



OUTPUT

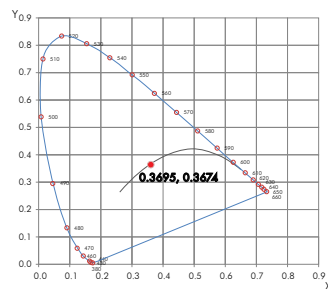
Delivered Lumens	297.87 lm / ft
CCT & SDMC	3500K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3695 y: 0.3674 u: 0.2215 v: 0.4956
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	69.27
CRI	93
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	12V DC
Power Consumption	4.3W per ft (0.03A)*
Power Factor	≤ 1
Dimming	100-277V 0-10V & Magnetic Low Voltage
Emergency	N/A

* Varies based on length of run and driver

CIE 1931 CHROMATICITY DIAGRAM



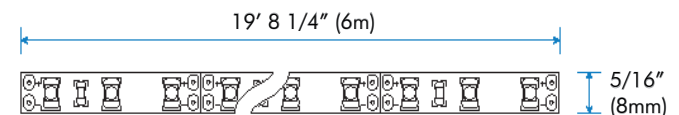
R VALUES

R1	R2	R3	R4	R5
93	93	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	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 19' 8 1/4" (6m) Width 5/16" (8mm) Height 1/8" (2.5mm)
LED Spacing	7/16" (10mm)
Cutting Distance	2" (51mm)
Weight	6.4oz (181g) Per Reel
Construction	Constant voltage Design Protects LEDs and Prolongs Life. White FPCB.
Thermal Management	N/A
Optics	N/A
Fixture Connections	Push to Fit Connectors
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



RoHS ✓

LM
79

LM
80

5
YEAR
WARRANTY

Project Name:

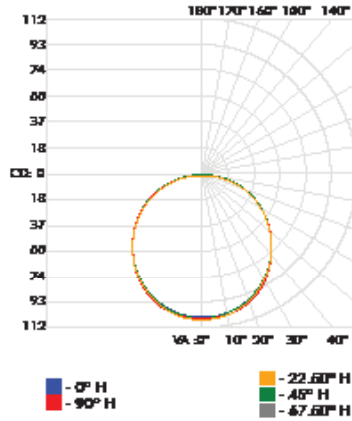
Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	27.50 fc	5.9 ft 6.8 ft
4.0 ft	6.80 fc	11.8 ft 13.6 ft
6.0 ft	3.40 fc	17.7 ft 20.5 ft
8.0 ft	1.70 fc	23.7 ft 27.3 ft
10.0 ft	0.80 fc	29.6 ft 34.1 ft
12.0 ft	0.60 fc	35.5 ft 40.9 ft

■ Vert. Spread: 111.9°
■ Horiz. Spread: 113.5°

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

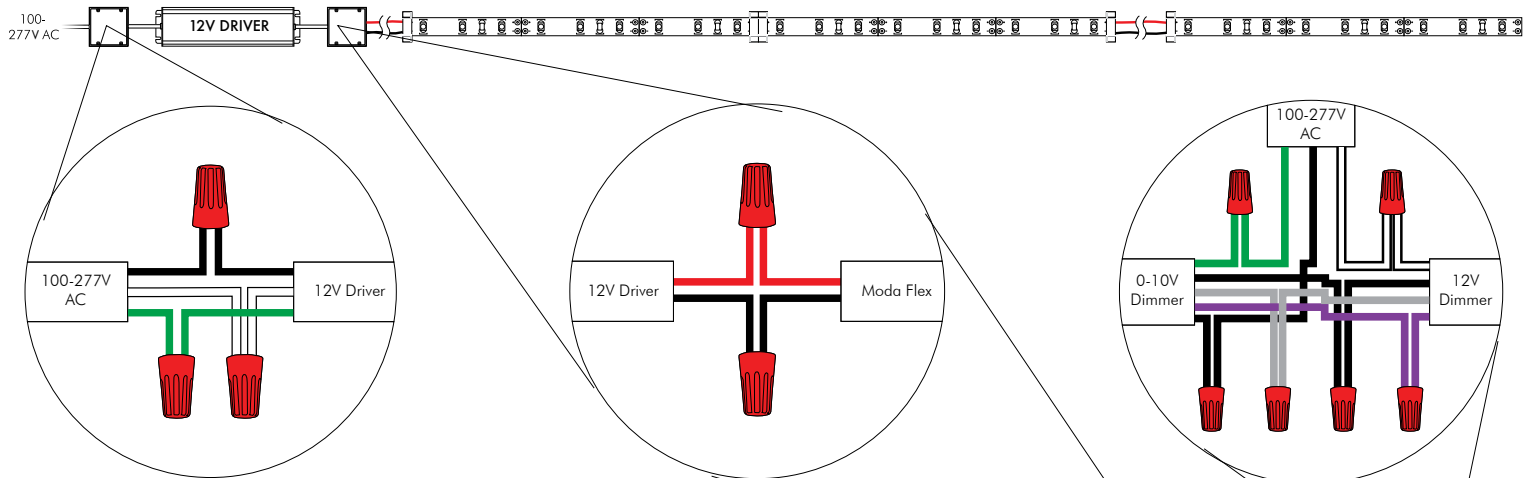
Zone	Lumens	% Lamp	% Fixt
0-30	77.40	N.A.	26.00%
0-40	128.00	N.A.	43.00%
0-60	230.00	N.A.	77.20%
60-90	65.00	N.A.	21.80%
0-90	294.80	N.A.	99.00%
90-180	3.00	N.A.	1.00%
0-180	297.87	N.A.	100.00%

LUMENS PER ZONE

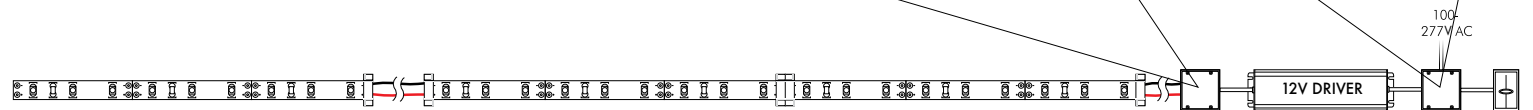
Zone	Lumens	% Lamp	% Fixt
0-10	9.50	N.A.	3.20%
10-20	27.10	N.A.	9.10%
20-30	41.10	N.A.	13.80%
30-40	50.60	N.A.	17.00%
40-50	53.30	N.A.	17.90%
50-60	48.50	N.A.	16.30%
60-70	37.50	N.A.	12.60%
70-80	21.40	N.A.	7.20%
80-90	6.00	N.A.	2.00%
90-100	0.00	N.A.	0.00%

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	13ft
100w Driver	21ft
132w Driver	28ft
150w Driver	31ft

ACCESSORIES



MRTA25
10' Leader Cable

Connects PowerFlex to Power Supply

L: 1/2" (13mm)
W: 1/4" (6mm)
H: 1/8" (2mm)



MRTA26
In-Line Connector

Connects Two PowerFlex Together

L: 1/2" (13mm)
W: 7/16" (10mm)
H: 1/8" (2mm)



MRTA27
4" EZ - Connector for POWERFLEX

Connects Two PowerFlex and
Allows for Flexible Corner Bends

L: 1/2" (13mm)
W: 1/4" (6mm)
H: 1/8" (2mm)



MODA SHIELD

Comes in Either Clear (C) or White (W) Finish

4' Section
Interior Channel: 5/16" (8mm)

12V 0-10V Dimming Drivers



MP05
347V AC

60W - IP66

L: 9 7/16" (240mm)
W: 1 3/4" (43mm)
H: 1 5/16" (32mm)



MP18N
100 - 277V AC

60W - IP66

L: 9 7/16" (240mm)
W: 1 3/4" (43mm)
H: 1 5/16" (32mm)



MP86
100 - 277V AC

100W - IP66

L: 9 1/2" (241mm)
W: 2 5/16" (58mm)
H: 1 1/2" (37mm)



MP88
100 - 277V AC

150W - IP66

L: 9 1/2" (241mm)
W: 2 5/8" (67mm)
H: 1 5/8" (40.5mm)

12V Non Dimming Drivers



MP16
100 - 277V AC

132W - IP67

L: 8 3/4" (222mm)
W: 2 3/4" (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	Dry Location - IP20
Warranty	5 Year Limited Warranty

ORDERING

PWF-INT-S-S1-W-35-19