Standard Output Dimmable LED Linear Flex System.

SUPERFLEX HCRI provides high quality and consistent light in a low profile package. Custom lengths are made simple with designated cutting points. A self-adhesive 3M backing and push to fit connectors are designed for a quick and simple installation. SUPERFLEX HCRI is the perfect solution for interior applications requiring high light output while maintaining a low profile. Applications include cove, display, architectural accents, cabinet, and back lighting. See MODA Metal ® for extrusion options.
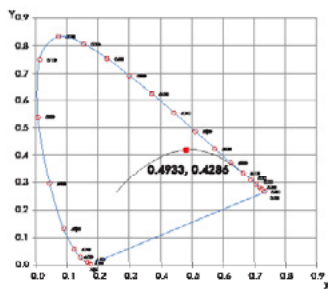
OUTPUT

Delivered Lumens	363.77 lm / ft
CCT & SDMC	2700K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4933 y: 0.4286 u: 0.2757 v: 0.5390
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	62.71
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
Control	100-277V 0-10V & Magnetic Low Voltage

* Varies based on run and driver

PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 7/16" (10mm) Height 1/8" (2mm)
LED Spacing	1/4" (6mm)
Cutting Distance	1" (25mm)
Weight	6.4oz (181.4g) 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 13/16" (5m)

7/16" (10mm)

1/8" (2mm)

CIE 1931 CHROMATICITY DIAGRAM

0.4933, 0.4286

R VALUES

R1	R2	R3	R4	R5
92	92	88	92	91

R6	R7	R8	R9	R10
92	91	90	90	88

R11	R12	R13	R14	R15
93	81	92	91	91
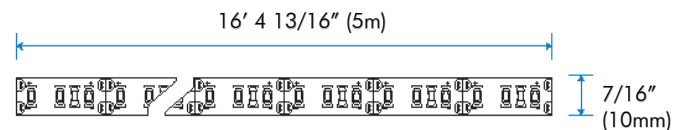
MODA TECHNOLOGY

moda**HIGH CRI**

moda**PHOSPHOR**™

STANDARDS & CERTIFICATIONS

ETL   CE   RoHS ✓

LM 79   LM 80   5 YEAR WARRANTY

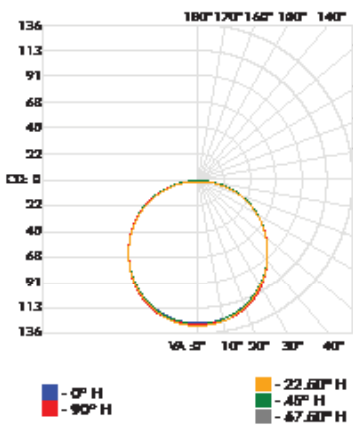Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	33.60 fc	6.0 ft	6.0 ft
4.0 ft	8.40 fc	12.0 ft	12.0 ft
6.0 ft	4.20 fc	18.0 ft	18.1 ft
8.0 ft	2.10 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°
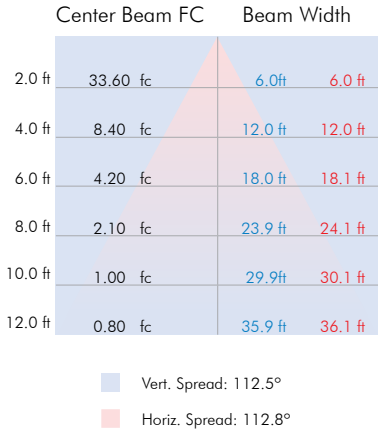
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.60° H
- 45° H
- 67.60° H

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	98.58	N.A.	27.10%
0-40	161.87	N.A.	44.50%
0-60	287.37	N.A.	79.00%
60-90	69.84	N.A.	19.20%
0-90	363.77	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	363.77	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	13.24	N.A.	3.64%
10-20	34.37	N.A.	9.45%
20-30	52.23	N.A.	14.36%
30-40	63.22	N.A.	17.38%
40-50	65.84	N.A.	18.10%
50-60	59.58	N.A.	16.38%
60-70	45.10	N.A.	12.40%
70-80	25.00	N.A.	6.85%
80-90	6.54	N.A.	1.80%
90-100	0.00	N.A.	0.00%

WIRING

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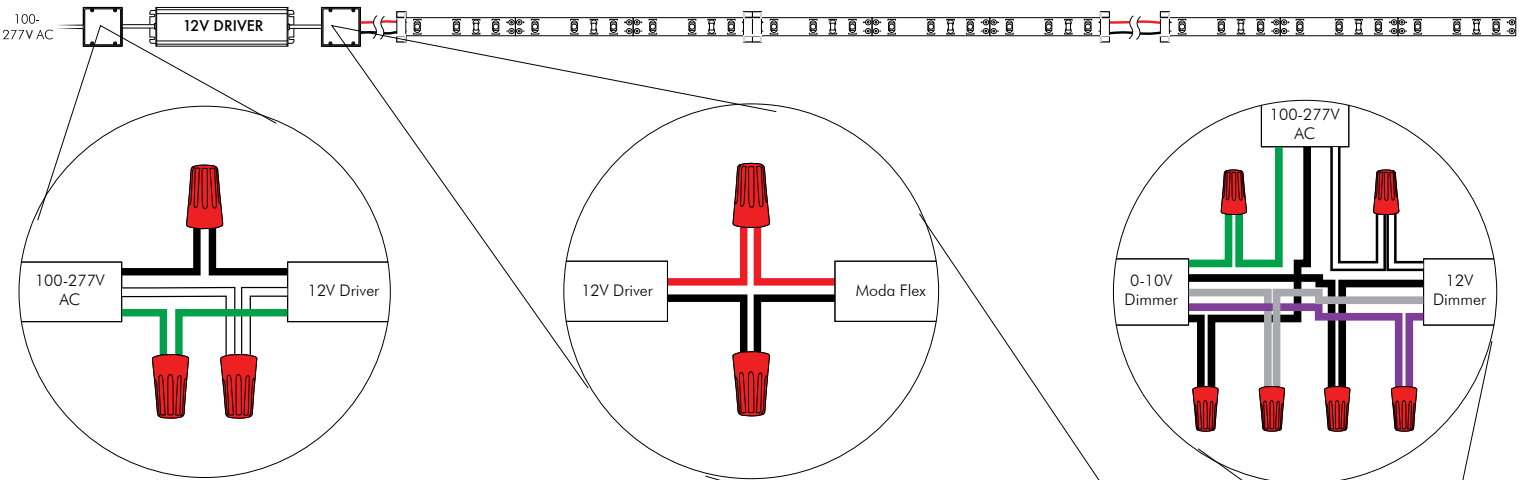
UL / cUL ELV Dimming
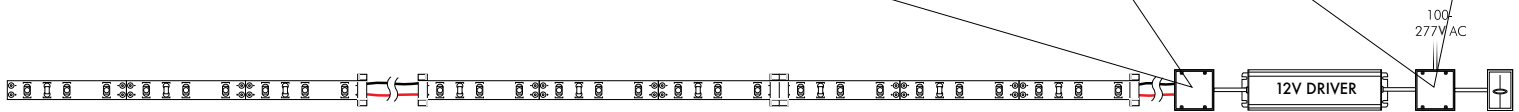
WIRING LEGEND

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	9ft
100W Driver	16ft
132W Driver	20ft
150W Driver	24ft

ACCESSORIES

MRTA35
10' LEADER CABLE

Connects SUPERFLEX HCRI to Power Supply

L: 3/5" (15mm)
W: 1/5" (6mm)
H: 1/10" (10mm)

MRTA34
EZ - CONNECTOR

Connects Two SUPERFLEX HCRI Together

L: 3/5" (15mm)
W: 2/5" (10mm)
H: 1/10" (2mm)

MRTA38
4" EZ - CONNECTOR

Connects Two SUPERFLEX HCRI Together and
Allows for Flexible Corner Bends

L: 1/2" (13mm)
W: 1/5" (6mm)
H: 1/10" (2mm)

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

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

SPF-INT-S-S1-W-27-16

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.