High 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.
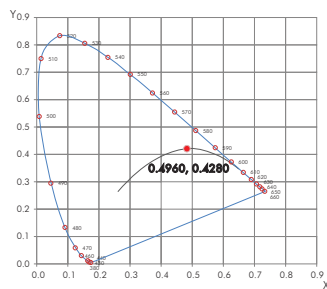
OUTPUT

Delivered Lumens	675.00 lm/ft
CCT & SDMC	3000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4960 y: 0.4280 u: 0.2780 v: 0.5393
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	55.79
CRI	85
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

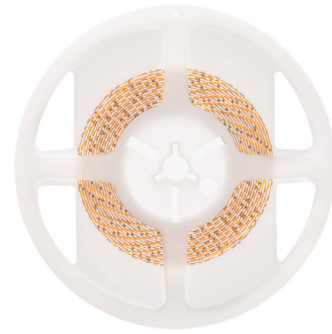|	
Input Voltage	24V DC
Power Consumption	12.1W per ft (0.10A)*
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

*Varies based on run and driver

PHYSICAL

Applications	IP20 Dry Location, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 94 1/2in (2.4m) Width 5/8in (16mm) Height 3/32in (2mm)
LED Spacing	1/4in (6mm)
Cutting Distance	2in (51mm)
Weight	9.2oz (260.8g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. White FPCB Inside a Silicone Sleeve
Thermal Management	MODA Metal Xtrusion
Optics	N/A
Fixture Connections	Solder connections
Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS

94 1/2in (2.4m)

5/8in (16mm)

3/32in (2mm)

CIE 1931 CHROMATICITY DIAGRAM

0.4960, 0.4280

LUMINANCE DATA
(cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	82325	85182	86924
55	79487	82254	84480
65	75348	77495	79023
75	74414	73101	68542
85	113318	97938	67134
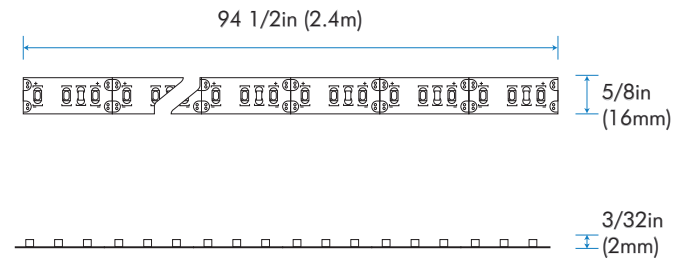
MODA TECHNOLOGY

moda**PHOSPHOR**™

moda **ZERO BIN**™

moda **HIGH CRI**™

STANDARDS & CERTIFICATIONS

c (UL) us   CE   RoHS ✓

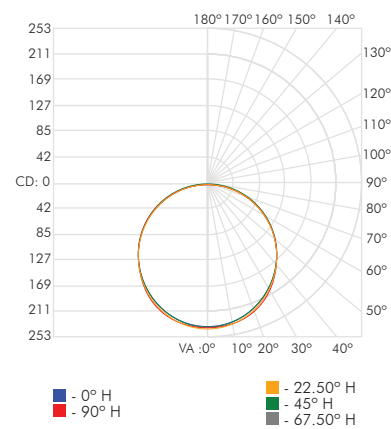LM 79   LM 80   5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	62.50 fc	5.9 ft	6.3 ft
4.0 ft	15.62 fc	11.7 ft	12.5 ft
6.0 ft	7.81 fc	17.6 ft	18.8 ft
8.0 ft	3.91 fc	23.4 ft	25.1 ft
10.0 ft	2.00 fc	29.3 ft	31.3 ft
12.0 ft	1.56 fc	35.1 ft	37.6 ft

Vert. Spread: 111.3°
Horiz. Spread: 114.9°
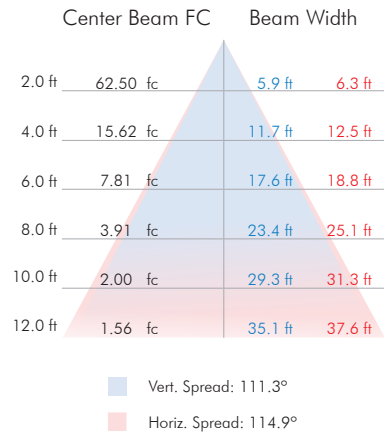
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.50° H
- 45° H
- 67.50° H

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	178.20	N.A.	26.40%
0-40	292.28	N.A.	43.30%
0-60	519.75	N.A.	77.00%
60-90	135.68	N.A.	20.10%
0-90	675.00	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	675.00	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	21.60	N.A.	3.20%
10-20	62.03	N.A.	9.19%
20-30	94.36	N.A.	13.98%
30-40	114.14	N.A.	16.94%
40-50	119.13	N.A.	17.65%
50-60	108.13	N.A.	16.02%
60-70	12.13	N.A.	12.13%
70-80	52.17	N.A.	7.73%
80-90	19.91	N.A.	2.95%
90-100	0.00	N.A.	0.00%

WIRING

UL /cUL Dimming and Non-dimming

Connection in Series

100-277V AC

OPTIONAL DIMMER Ⓐ Ⓑ

DRIVER

Ⓒ

Maximum Continuous Run configuration wired in series not to exceed 94 1/2in in overall length

100-277V AC

DRIVER

Connection in Parallel

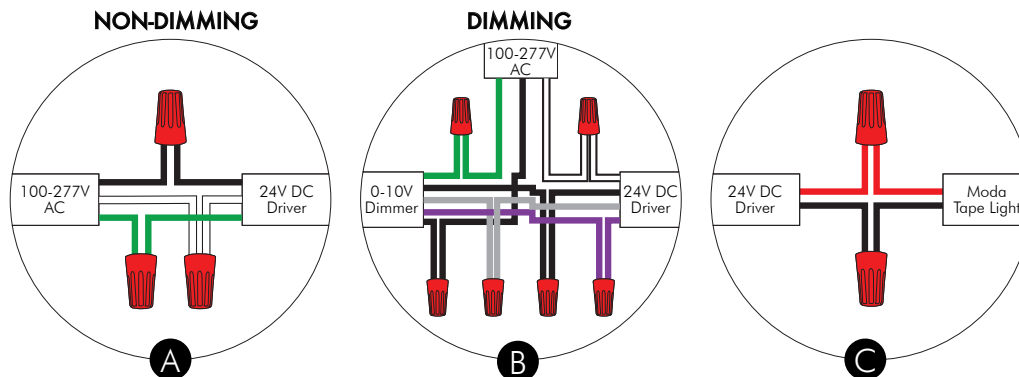Maximum Load configuration wired in parallel not to exceed maximum overall length based on selected driver wattage rating total overall length
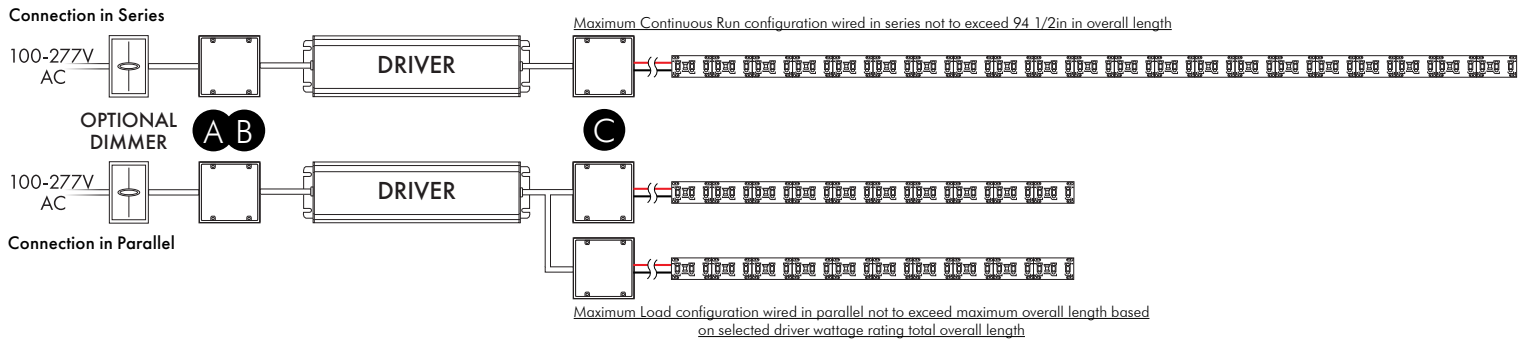
Parallel Run Wiring

Multiple connections in parallel can be made provided that each section does not exceed the Max Run Length of the product and does not exceed Max Load on driver.
Example: 2 parallel connections x 66in lengths ≤ 11 total feet for Max Load determination equipped with 150W driver.

NON-DIMMING
100-277V AC — 24V DC Driver
Ⓐ

DIMMING
100-277V AC
0-10V Dimmer — 24V DC Driver
Ⓑ

24V DC Driver — Moda Tape Light
Ⓒ

WIRING LEGEND

24V Driver Primary Side

▬	Black	Live 100-277V AC
▭	White	Neutral AC
▬	Green	Ground AC

24V Driver Secondary Side

▬	Red	DC Power Positive
▬	Black	DC Power Negative
▬	Purple	0-10V Data Positive
▬	Negative	0-10V Data Negative

MAX CONTINUOUS RUN

84 1/2in (2.4m)

MAX LOAD

60W Driver	4ft
100W Driver	7ft
150W Driver	11ft

moda **LIGHT**®
SPECIFICATION

FIXTURE	ORDERING SKU
Superflex - IP20 Dry Location Interior HO S1 White PCB 24V DC Reel 3000K HCRI 8ft	SPF-INT-H-S1-W-3H-8

POWER	ORDERING SKU
24V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - IP20	MP17
24V DC Driver - 347V AC Input - 0-10V Dimmable - 60W - IP20	MP06
24V DC Driver - 100-277V AC Input - 0-10V Dimmable - 60W - IP20	MP19N
24V DC Driver - 100-277V AC Input - 0-10V Dimmable - 100W - IP20	MP87
24V DC Driver - 100-277V AC Input - 0-10V Dimmable - 150W - IP20	MP89

ACCESSORIES	ORDERING SKU
10ft Leader Cable	MRTA35
In-line Connector	MRTA34
Moda Shield Clear 4ft	MDA-SHD-C-4FT
Moda Shield White 4ft	MDA-SHD-W-4FT