

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	840.67 lm/ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4967 y: 0.4286 u: 0.2785 v: 0.5398
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	69.47
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

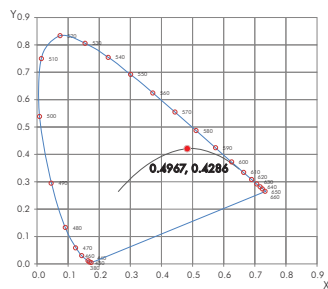
* This product must be used with an extrusion to achieve L70

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)

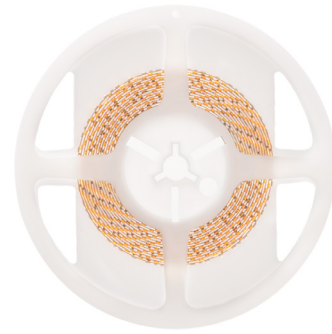
*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

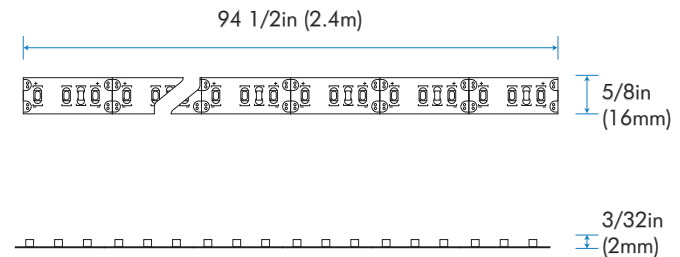
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	82325	85182	86924
55	79487	82254	84480
65	75348	77495	79023
75	74414	73101	68542
85	113318	97938	67134



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



MODA TECHNOLOGY

moda**PHOSPHOR**™
moda**ZERO BIN**™
moda**HIGH CRI**™

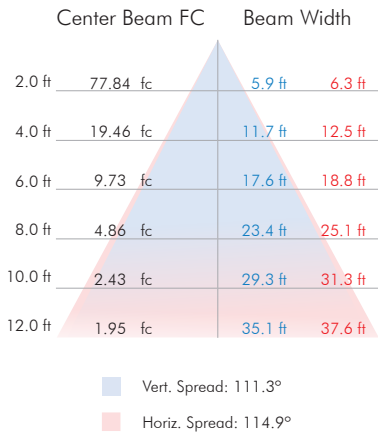
STANDARDS & CERTIFICATIONS



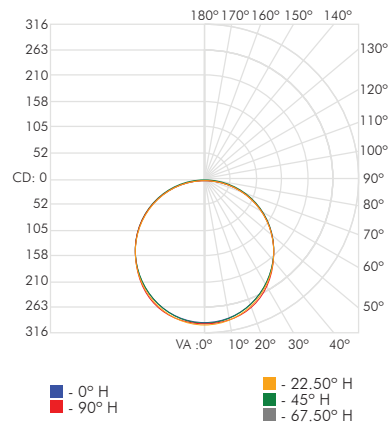
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

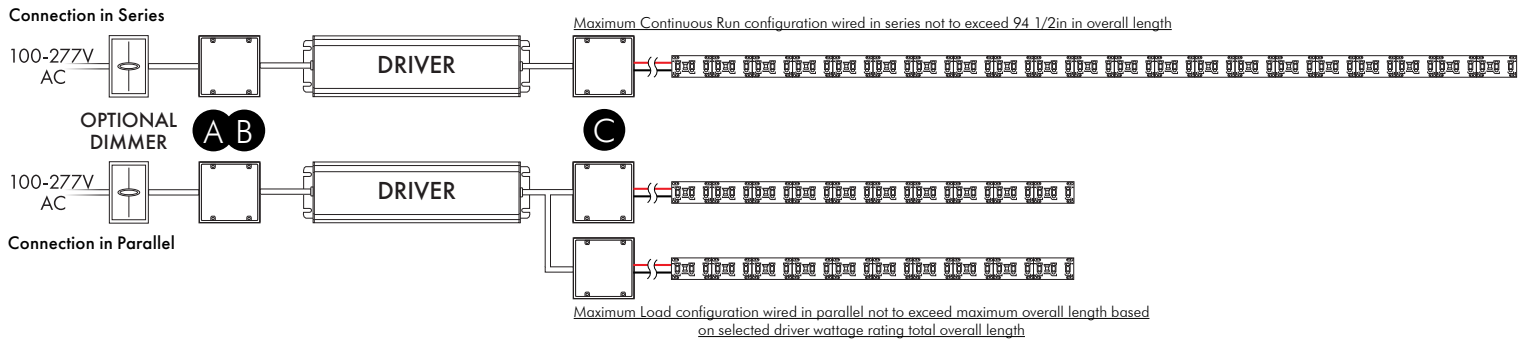
Zone	Lumens	% Lamp	% Fixt
0-30	221.94	N.A.	26.40%
0-40	364.01	N.A.	43.30%
0-60	647.31	N.A.	77.00%
60-90	167.00	N.A.	20.10%
0-90	840.67	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	840.67	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	26.90	N.A.	3.20%
10-20	77.25	N.A.	9.19%
20-30	117.52	N.A.	13.98%
30-40	142.41	N.A.	16.94%
40-50	148.37	N.A.	17.65%
50-60	134.67	N.A.	16.02%
60-70	102.00	N.A.	12.13%
70-80	65.00	N.A.	7.73%
80-90	24.80	N.A.	2.95%
90-100	0.00	N.A.	0.00%

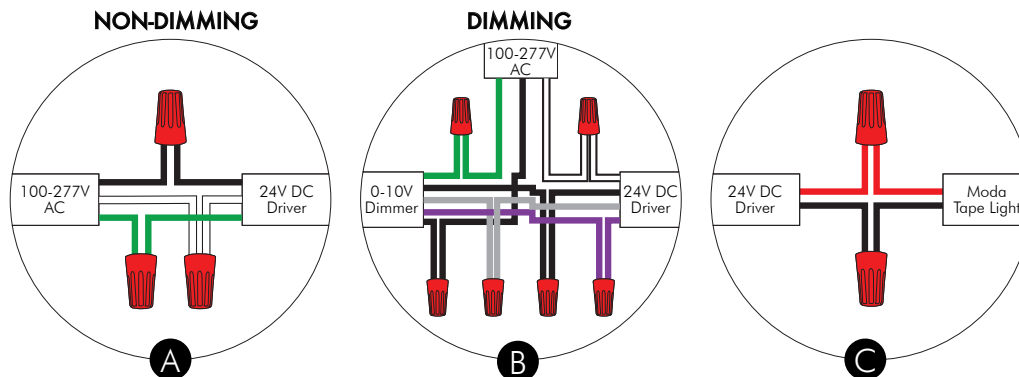
WIRING

UL / cUL Dimming and Non-dimming



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.



WIRING LEGEND

24V Driver Primary Side		24V Driver Secondary Side	
Black	Live 100-277V AC	Red	DC Power Positive
White	Neutral AC	Black	DC Power Negative
Green	Ground AC	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

FIXTURE	ORDERING SKU
Superflex - IP20 Dry Location Interior HO S1 White PCB 24V DC Reel 4000K HCRI 8FT	SPF-INT-H-S1-W-4H-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