

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.

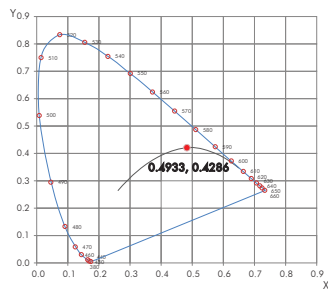
OUTPUT

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%
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	0-10V, ELV (By others), & MLV (By others)

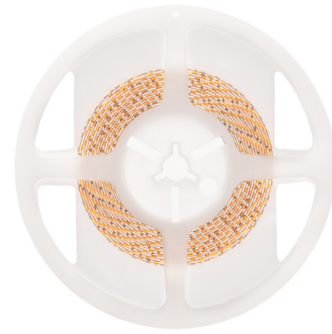
CIE 1931 CHROMATICITY DIAGRAM



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

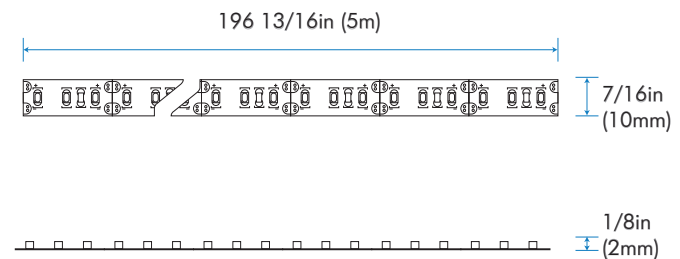
SUPERFLEX[®] INTERIOR 2700K HCRI



PHYSICAL

Applications	IP20 Dry Location, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 196 13/16in (5m) Width 7/16in (10mm) Height 1/8in (2mm)
LED Spacing	1/4in (6mm)
Cutting Distance	1in (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 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:

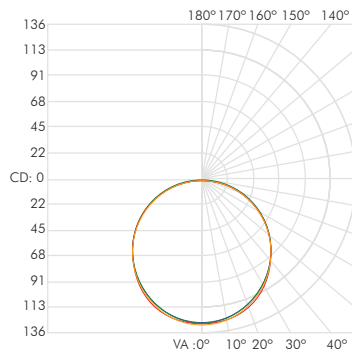
Notes:

ILLUMINANCE AT A DISTANCE

	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



ZONAL LUMEN SUMMARY

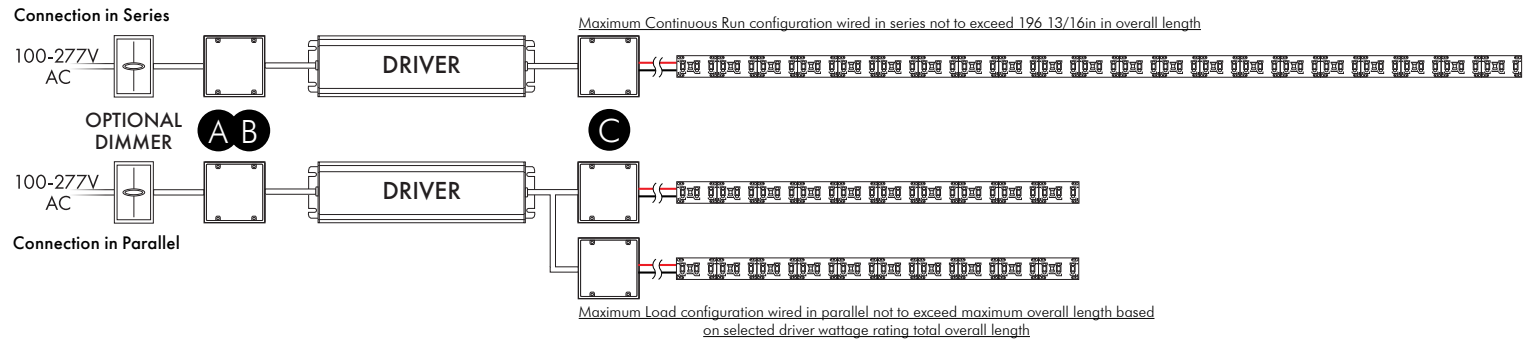
Zone	Lumens	% Lamp	% Fixt
0-30	98.58	N.A.	27.10%
0-40	161.87	N.A.	44.50%
0-60	287.37	N.A.	79.00%
60-90	69.84	N.A.	19.20%
0-90	363.77	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	363.77	N.A.	100.00%

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%

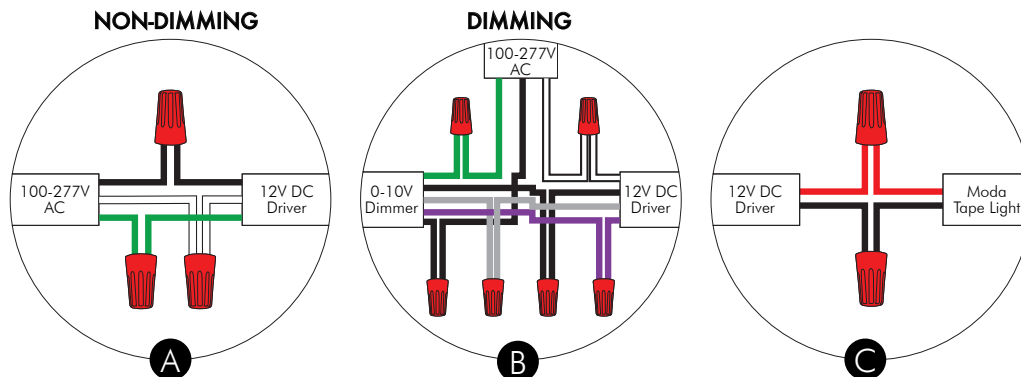
WIRING

UL / cUL 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 138in lengths ≤ 23 total feet for Max Load determination equipped with 150W driver.



WIRING LEGEND

12V Driver Primary Side		12V 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

196 13/16in (5m)

MAX LOAD

60W Driver	9ft
100W Driver	15ft
132W Driver	20ft
150W Driver	23ft

FIXTURE	ORDERING SKU
Superflex - IP20 Dry Location Interior SO S1 White PCB 12V DC Reel 2700K HCRI 16.4FT	SPF-INT-S-S1-W-27-16
POWER	ORDERING SKU
12V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - IP20	MP16
12V DC Driver - 347V AC Input - 0-10V Dimmable - 60W - IP20	MP05
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 60W - IP20	MP18N
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 100W - IP20	MP86
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 150W - IP20	MP88
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