

## Two Circuit Mixing Flexible Linear Product

SUPER FUSIONFLEX offers two circuit mixing ability with the choice of white light and static color. Able to achieve difficult color temperatures at the lower end of the spectrum. This flexible solution is ideal for difficult lighting applications that require deep warm types of illuminance with high red content. See MODA Metal<sup>®</sup> for extrusion options.



## OUTPUT

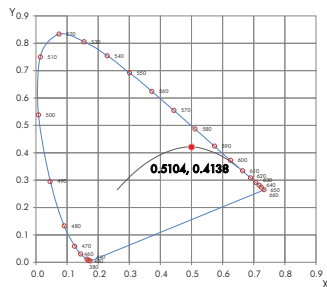
Delivered Lumens	259.97 lm / ft
CCT & SDMC	2100k - 2700k High Red Content
Chromaticity Coordinates	x: 0.5104 y: 0.4138 u: 0.2940 v: 0.5363
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	70.07
CRI	90
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

Input Voltage	12V DC
Power Consumption	3.71W per ft (0.31A)*
Power Factor	≤ 1
Dimming	100-277V 0-10V & Magnetic Low Voltage
Emergency	N/A

\*Varies based on run and driver

## CIE 1931 CHROMATICITY DIAGRAM



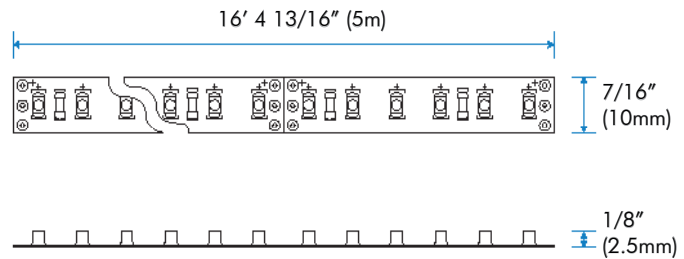
## LUMINANCE DATA (cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	47247	47726	47498
55	45074	45693	45519
65	42130	42484	41736
75	34803	36752	35381
85	28366	29129	24359

## PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 7/16" (10mm) Height 1/8" (2.5mm)
LED Spacing	5/16" (8mm)
Cutting Distance	2" (50.8mm)
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**PHOSPHOR**<sup>™</sup>

## STANDARDS & CERTIFICATIONS



RoHS ✓

LM  
79

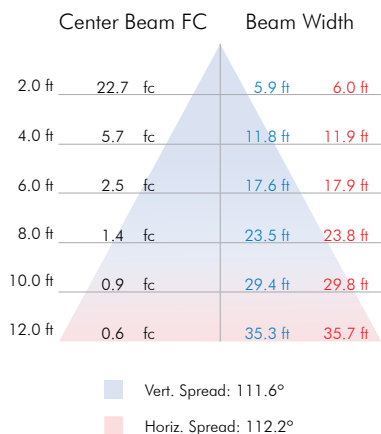
LM  
80

5  
YEAR  
WARRANTY

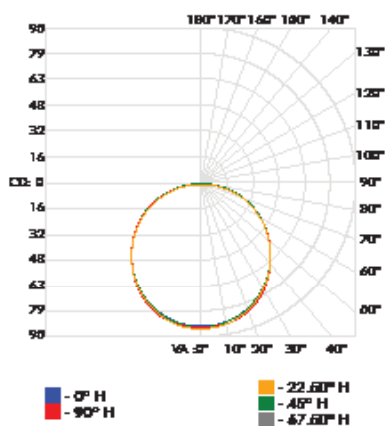
Project Name:

Notes:

## ILLUMINANCE AT A DISTANCE



## POLAR CANDELA DISTRIBUTION



## ZONAL LUMEN SUMMARY

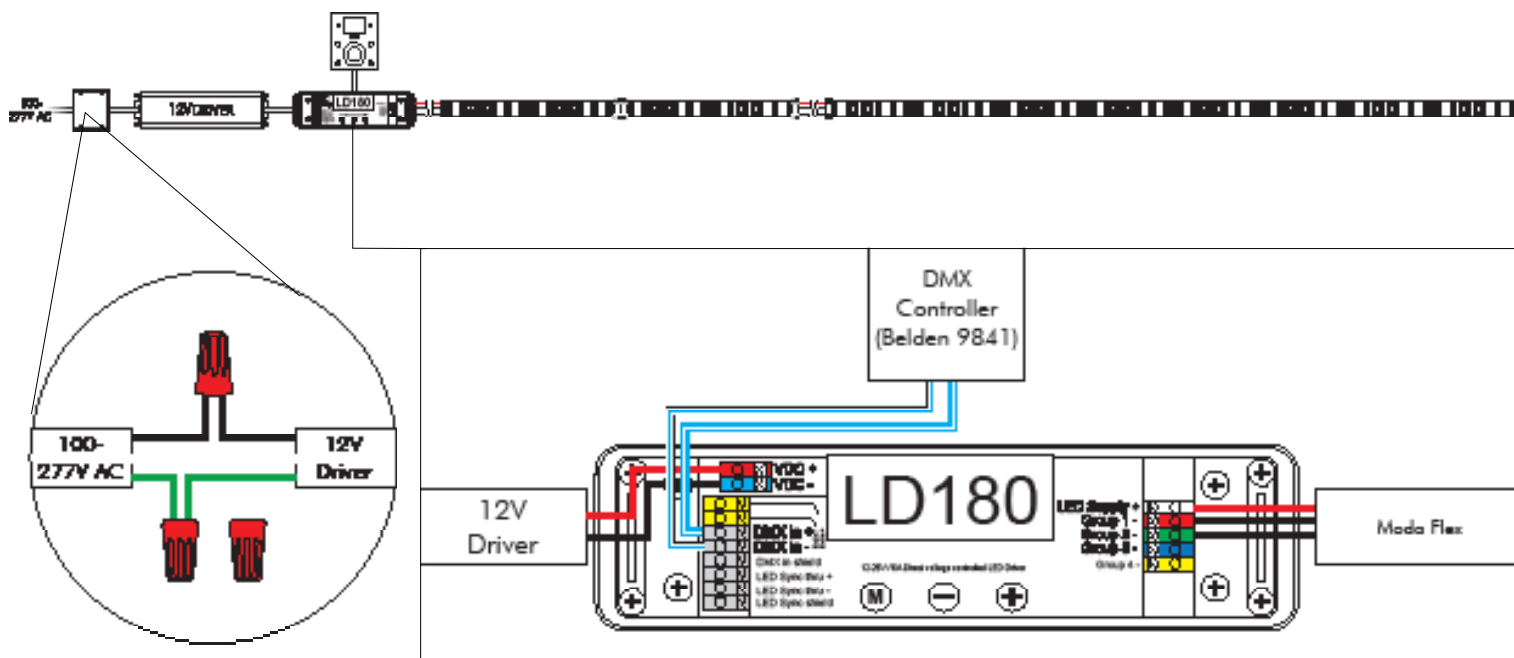
Zone	Lumens	% Lamp	% Fixt
0-30	70.66	N.A.	27.20%
0-40	115.87	N.A.	44.60%
0-60	204.91	N.A.	78.80%
60-90	49.93	N.A.	19.20%
0-90	259.97	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	259.97	N.A.	100.00%

## LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	8.60	N.A.	3.31%
10-20	24.65	N.A.	9.48%
20-30	37.42	N.A.	14.93%
30-40	45.20	N.A.	17.38%
40-50	46.82	N.A.	18.01%
50-60	42.17	N.A.	16.22%
60-70	31.90	N.A.	12.27%
70-80	18.03	N.A.	6.93%
80-90	5.14	N.A.	1.98%
90-100	0.00	N.A.	0.00%



## WIRING

## Single Run DMX Wiring




## WIRING LEGEND

Power (100-277V AC)

	Power Positive
	Power Negative
	Ground

12V Driver




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 Power Positive

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 Power Negative

DMX CONTROLLER	
	Positive
	Negative

RGB Leader Cable	
	12V Positive
	Red
	Negative

## MAX RUN

132W Driver 41 ft

## ACCESSORIES



### MRTA25 10' Leader Cable

Connects Super FusionFlex to Power Supply

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



### MRTA26 In-Line Connector

Connects Two Super FusionFlex Together

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



### KANDI-TOUCH-BLACK / KANDI-TOUCH-WHITE

DMX 512 Controller

L: 4 1/4" (106mm)  
W: 5 3/4" (146mm)  
H: 7/16" (11mm)



### LD180 DMX Interface

Constant Voltage LED Driver

L: 6" (152mm)  
W: 2" (50mm)  
H: 15/16" (23mm)



### BDL-9841-500FT

RS-458 Cable for DMX  
24 AWG stranded TC conductors  
polyethylene insulation

L: 500' (152.4m)



### BDL-9841-1000FT

RS-458 Cable for DMX  
24 AWG stranded TC conductors  
polyethylene insulation

L: 1000' (304.8m)

## 12V Non Dimming Driver



### MP16 100 - 277V AC

132W - IP67

L: 8 3/4" (222mm)  
W: 2 3/4" (68mm)  
H: 1 1/2" (39mm)

## STANDARDS & CERTIFICATIONS

<b>Certification</b>	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.
<b>Class</b>	3
<b>Environment</b>	Wet Location - IP67
<b>Warranty</b>	5 Year Limited Warranty

## ORDERING

**SFSF-21K**