moda**LIGHT**®
S P E C I F I C A T I O N

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® for extrusion options.
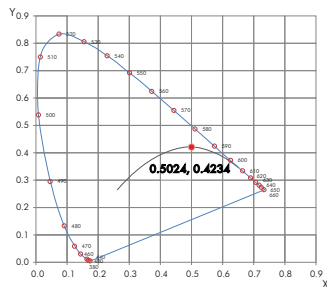
OUTPUT

Delivered Lumens	207.38 lm / ft
CCT & SDMC	2200k - 2700k High Red Content
Chromaticity Coordinates	x: 0.5024 y: 0.4234 u: 0.2840 v: 0.5385
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	55.90
CRI	89
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

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

16' 4 13/16" (5m)

7/16" (10mm)

1/8" (2.5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.5024, 0.4234

LUMINANCE DATA
(cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	74504	76611	77831
55	71929	74214	75327
65	66583	70347	70638
75	53582	61762	66739
85	53982	53596	46270
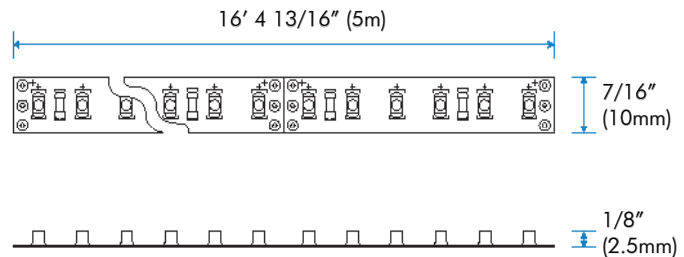
MODA TECHNOLOGY

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	17.84 fc	5.9 ft	6.1 ft
4.0 ft	4.46 fc	11.8 ft	12.3 ft
6.0 ft	1.98 fc	17.7 ft	18.4 ft
8.0 ft	1.11 fc	23.6 ft	24.5 ft
10.0 ft	0.71 fc	29.5 ft	30.7 ft
12.0 ft	0.50 fc	35.4 ft	36.8 ft

Vert. Spread: 111.6°
Horiz. Spread: 114.6°
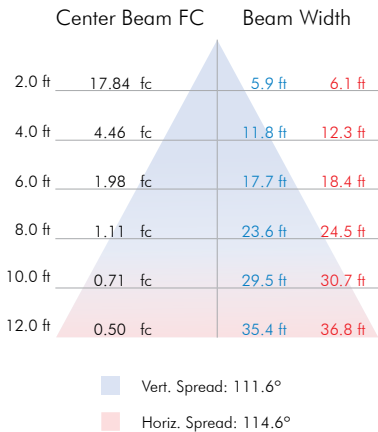
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.50° H
- 45° H
- 67.50° H
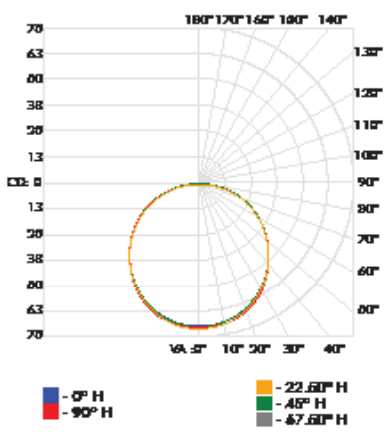
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	55.53	N.A.	26.80%
0-40	91.21	N.A.	44.00%
0-60	162.25	N.A.	78.20%
60-90	40.71	N.A.	19.60%
0-90	207.38	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	207.38	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	6.75	N.A.	3.25%
10-20	19.34	N.A.	9.33%
20-30	29.43	N.A.	14.19%
30-40	35.69	N.A.	17.21%
40-50	37.21	N.A.	17.94%
50-60	33.83	N.A.	16.31%
60-70	25.93	N.A.	12.50%
70-80	14.77	N.A.	7.12%
80-90	4.43	N.A.	2.14%
90-100	0.00	N.A.	0.00%

WIRING

Single Run DMX Wiring
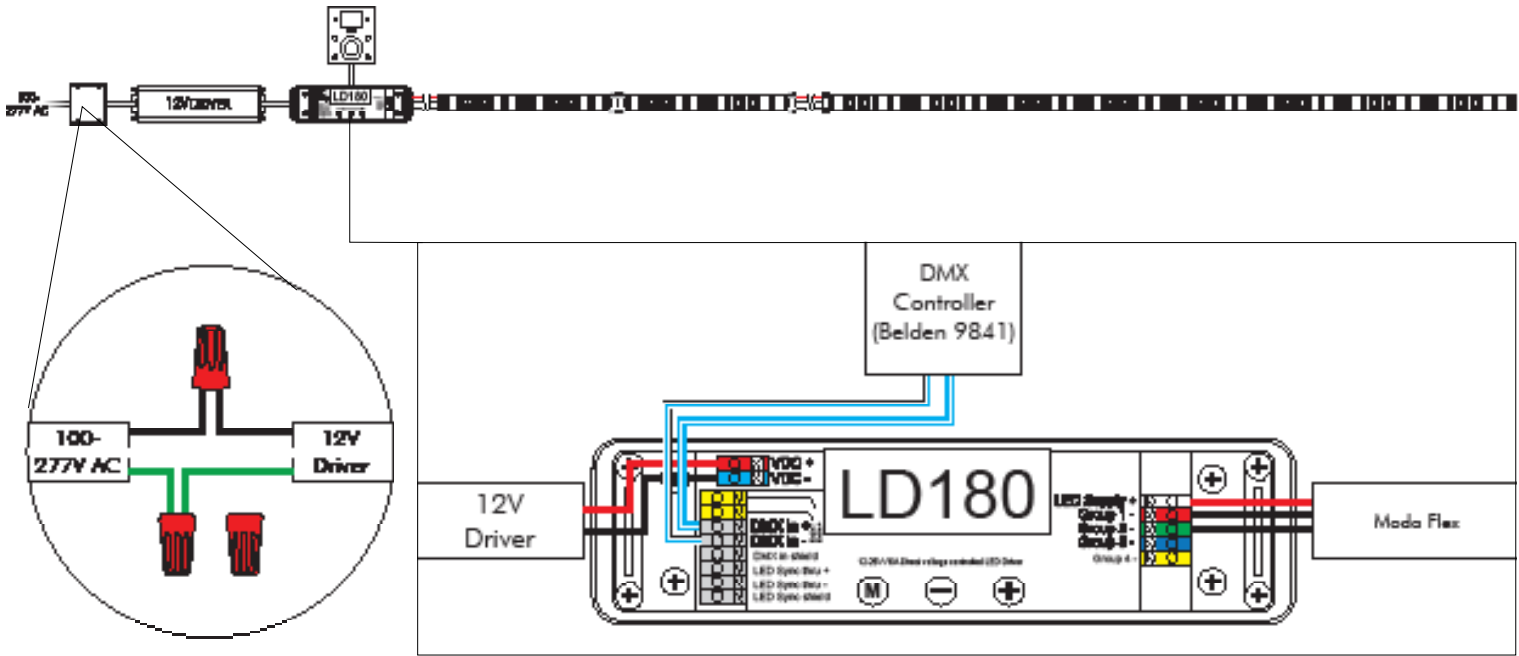
WIRING LEGEND

Power (100-277V AC)
- ▬ Power Positive
- ▭ Power Negative
- ▬ Ground

12V Driver
- ▬ Power Positive
- ▬ Power Negative

DMX CONTROLLER
- ══ Positive
- ══ Negative

RGB Leader Cable
- ▬ 12V Positive
- ▬ Red
- ▬ Negative

MAX RUN

132W Driver	41 ft

modaLIGHT®
SPECIFICATION

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

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	Wet Location - IP67
Warranty	5 Year Limited Warranty

ORDERING

SFSF-22K