

Two Circuit Mixing Flexible Linear Product

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

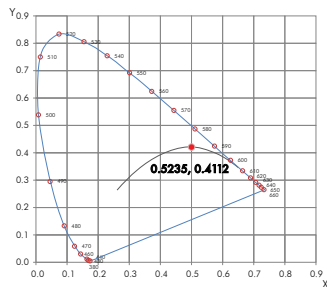
Delivered Lumens	141.20 lm / ft
CCT & SDMC	2100K - 2700K High Red Content
Chromaticity Coordinates	x: 0.5235 y: 0.4112 u: 0.3040 v: 0.5373
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	30.58
CRI	86
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	12V DC
Power Consumption	2.93W per ft (0.08A)*
Power Factor	≤ 1
Dimming	100-277V 0-10V & Magnetic Low Voltage, DMX 512
Emergency	N/A

*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

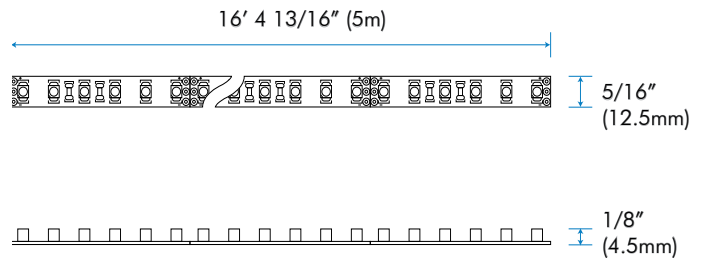
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	50694	52278	52278
55	48825	50778	50778
65	45060	47711	47711
75	38953	38953	43281
85	38558	38558	38558



PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 5/16" (8mm) Height 1/8" (2.5mm)
LED Spacing	1/4" (5.5mm)
Cutting Distance	2" (50mm)
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**[™]

STANDARDS & CERTIFICATIONS



LM
79

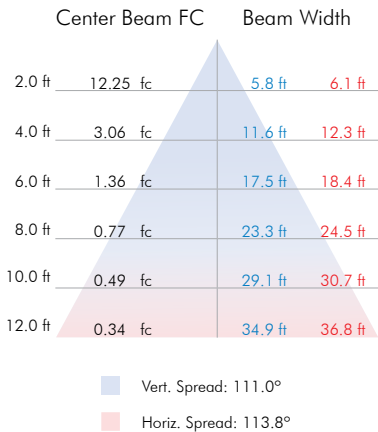
LM
80

5
YEAR
WARRANTY

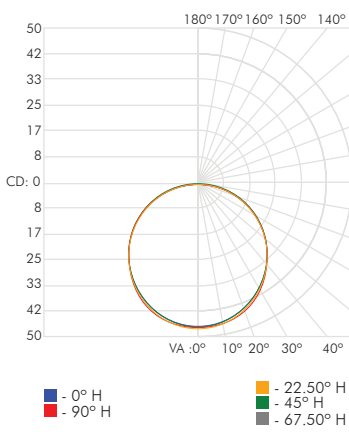
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

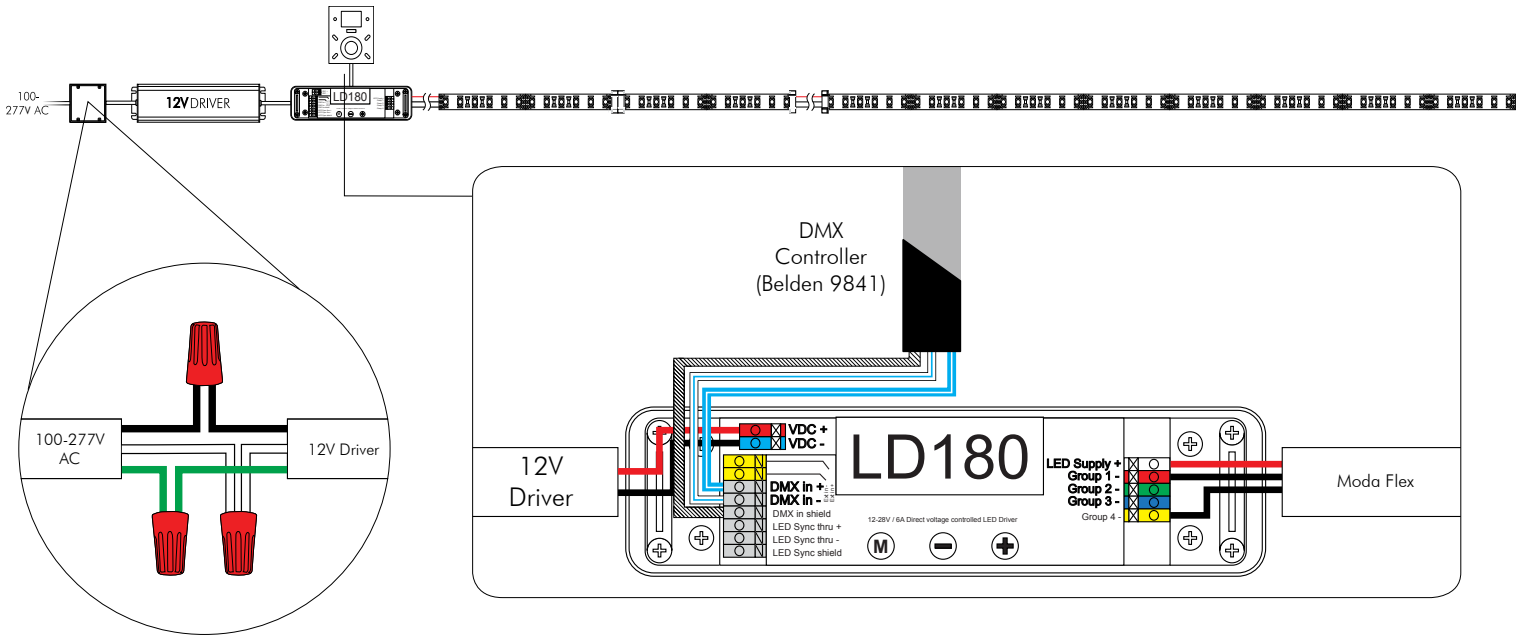
Zone	Lumens	% Lamp	% Fixt
0-30	37.92	N.A.	26.90%
0-40	62.21	N.A.	44.10%
0-60	110.30	N.A.	78.10%
60-90	27.63	N.A.	19.60%
0-90	141.20	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	141.20	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	4.61	N.A.	3.26%
10-20	13.19	N.A.	9.34%
20-30	20.12	N.A.	14.25%
30-40	24.29	N.A.	17.20%
40-50	25.23	N.A.	17.87%
50-60	22.86	N.A.	16.19%
60-70	17.64	N.A.	12.49%
70-80	9.99	N.A.	7.08%
80-90	3.27	N.A.	2.32%
90-100	0.00	N.A.	1.30%

WIRING

Single Run DMX Wiring



WIRING LEGEND

Power (100-277V AC)	12V Driver	BELDEN 9841	RGB Leader Cable
Power Positive	Power Positive	DMX Positive	12V Positive
Power Negative	Power Negative	DMX Negative	Red
Ground		DMX Ground	Negative

MAX RUN

132W Driver 40 ft

ACCESSORIES



MRTA25 10' Leader Cable

Connects FusionFlex to Power Supply

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



MRTA26 In-Line Connector

Connects Two 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)



MP16 100 - 277V AC

132W - IP67

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

12V Dimming Drivers



MP05 100 - 277V AC

60W - IP66

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



MP18N 347V AC

60W - IP66

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



MP86 100 - 277V AC

100W - IP66

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



MP88 100 - 277V AC

150W - IP66

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

FSF-21K