

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

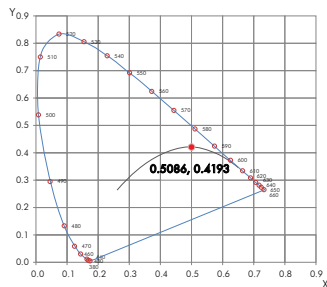
| | |
|--------------------------|--|
| Delivered Lumens | 207.38 lm / ft |
| CCT & SDMC | 2200k - 2700k High Red Content |
| Chromaticity Coordinates | x: 0.5024 y: 0.4234 u: 0.2840 v: 0.5385 |
| Color Bin Tolerance | + 3% / -3% |
| Efficacy (lm/w) | 55.90 |
| CRI | 89 |
| Lumen Maintenance | 70,000 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 | 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)

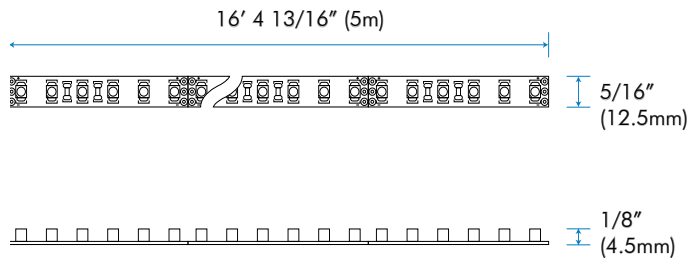
| Angle in Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 74504 | 76611 | 77831 |
| 55 | 71929 | 74214 | 75327 |
| 65 | 66583 | 70347 | 70638 |
| 75 | 53582 | 61762 | 66739 |
| 85 | 53982 | 53596 | 46270 |



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

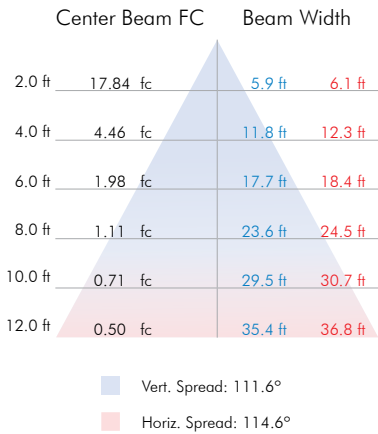
LM
80

5
YEAR
WARRANTY

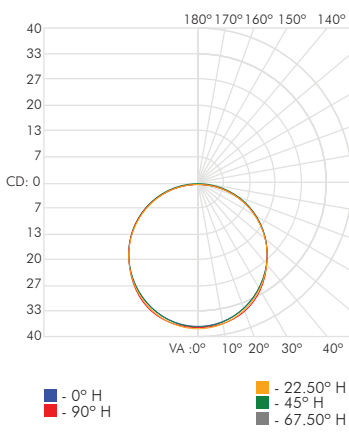
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

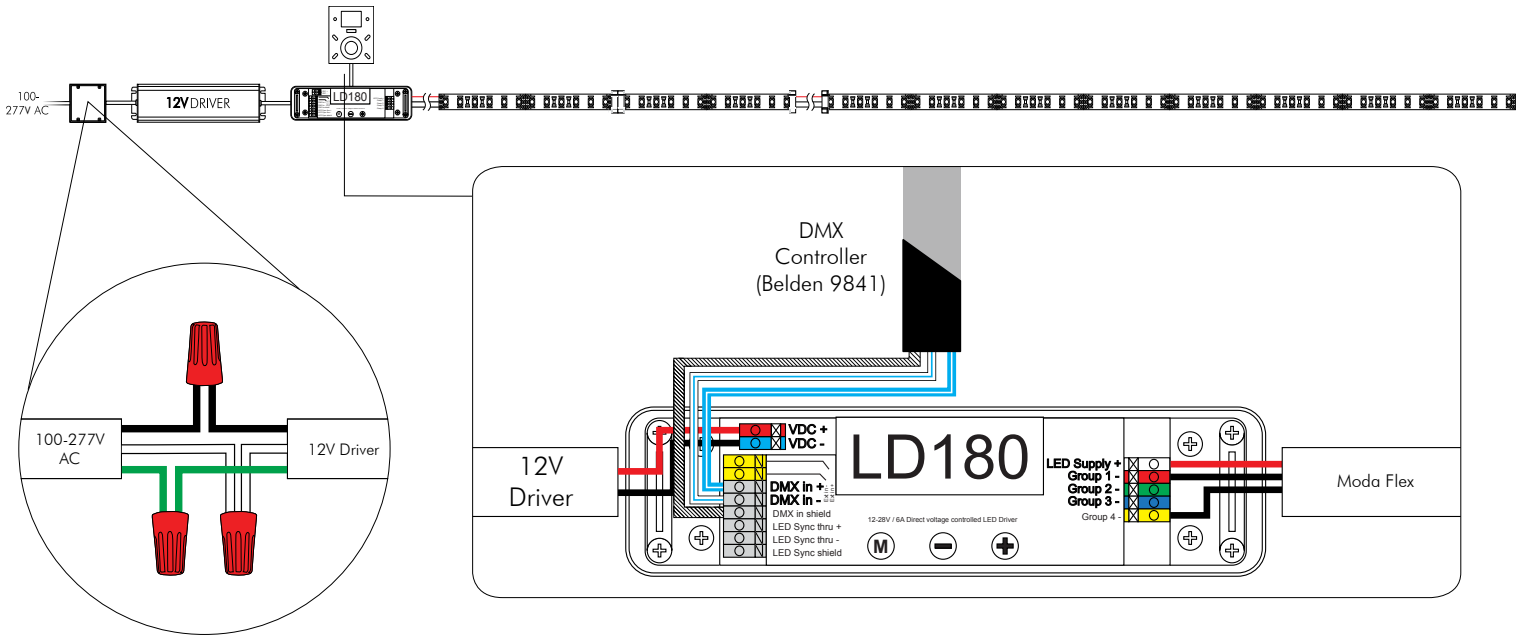
| Zone | Lumens | % Lamp | % Fixt |
|--------|--------|--------|---------|
| 0-30 | 55.53 | N.A. | 26.80% |
| 0-40 | 91.21 | N.A. | 44.00% |
| 0-60 | 162.25 | N.A. | 78.20% |
| 60-90 | 40.71 | N.A. | 19.60% |
| 0-90 | 207.38 | N.A. | 100.00% |
| 90-180 | 0.00 | N.A. | 0.00% |
| 0-180 | 207.38 | N.A.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