modaLIGHT®
SPECIFICATION

Dynamic White Flexible Linear Product:

Starflex Dynamic White offers two circuit mixing ability with the choise of a warm white light and cool white light. Allowing for easy tuning of white light temperatures. This flexible linear solution is ideal for lighting applications that need to have complete control over their light output. A perfect low energy, low heat output solution for cove, niche, cabinet and display applications. See MODA Metal for extrusion options.
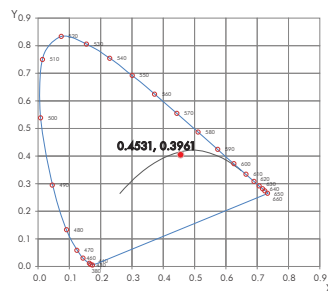
OUTPUT

Delivered Lumens	241.54 lm / ft
CCT & SDMC	2300k - 4500k
Chromaticity Coordinates	x: 0.4531 y: 0.03961 u: 0.2547 v: 0.3471
Color Bin Tolerance	N/A
Efficacy (lm/w)	94.35
CRI	82
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	2.56w / ft (0.14A)
Power Factor	≤ 1
Dimming	DMX 512: 1990
Emergency	N/A

PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 4/5" (5m) Width 3/10" (8mm) Height 1/10" (2.5mm)
LED Spacing	1/5" (6mm)
Beam Distribution	110°
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 Cnnectors
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 4/5" (5m)

3/10" (8mm)

1/10" (2.5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.4531, 0.3961

LUMINANCE DATA
(cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9493	6655	5939
55	9206	5749	4930
65	8152	4276	3630
75	5432	2311	1921
85	3337	917	734
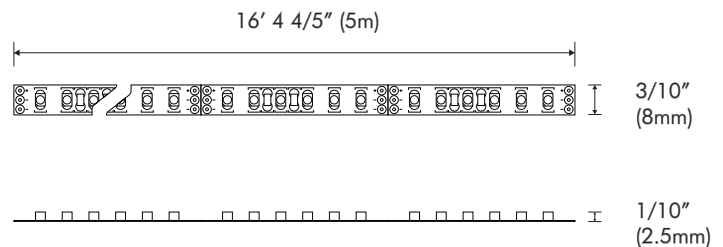
MODA TECHNOLOGY

moda**HIGH CRI**

moda**PHOSPHOR**™

STANDARDS & CERTIFICATIONS

ETL · CE · RoHS APPROVED

LM 79 · LM 80 · 5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC		Beam Width	
2.0 ft	6.27	fc	6.4 ft	6.5 ft
4.0 ft	1.57	fc	12.9 ft	13.1 ft
6.0 ft	0.70	fc	19.3 ft	19.6 ft
8.0 ft	0.39	fc	25.8 ft	26.2 ft
10.0 ft	0.25	fc	32.2 ft	32.7 ft
12.0 ft	0.17	fc	35.8 ft	39.2 ft

Vert. Spread: 116.4°

Horiz. Spread: 117.1°
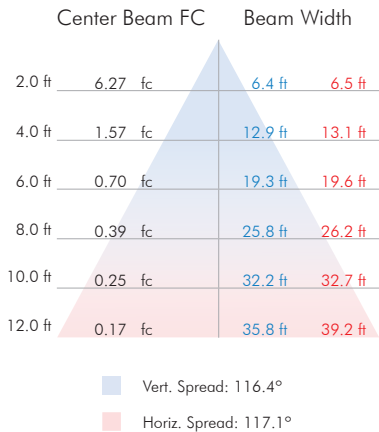
POLAR CANDELA DISTRIBUTION

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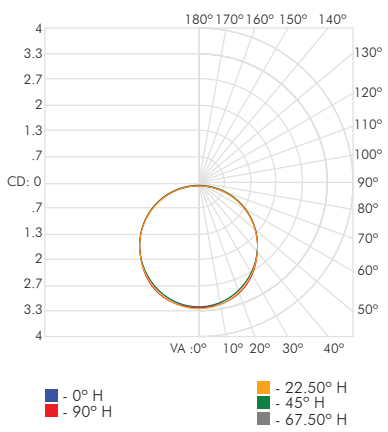
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	61.60	N.A.	25.50%
0-40	102.17	N.A.	42.30%
0-60	185.02	N.A.	76.60%
60-90	44.00	N.A.	18.20%
0-90	233.57	N.A.	96.70%
90-180	8.00	N.A.	3.30%
0-180	241.54	N.A.	100%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	7.40	N.A.	3.06%
10-20	21.33	N.A.	8.83%
20-30	32.85	N.A.	13.60%
30-40	40.53	N.A.	16.78%
40-50	43.16	N.A.	17.87%
50-60	39.71	N.A.	16.44%
60-70	29.30	N.A.	12.13%
70-80	14.56	N.A.	6.03%
80-90	4.78	N.A.	1.98%
90-100	2.66	N.A.	1.10%

WIRING

Single Run DMX Wiring
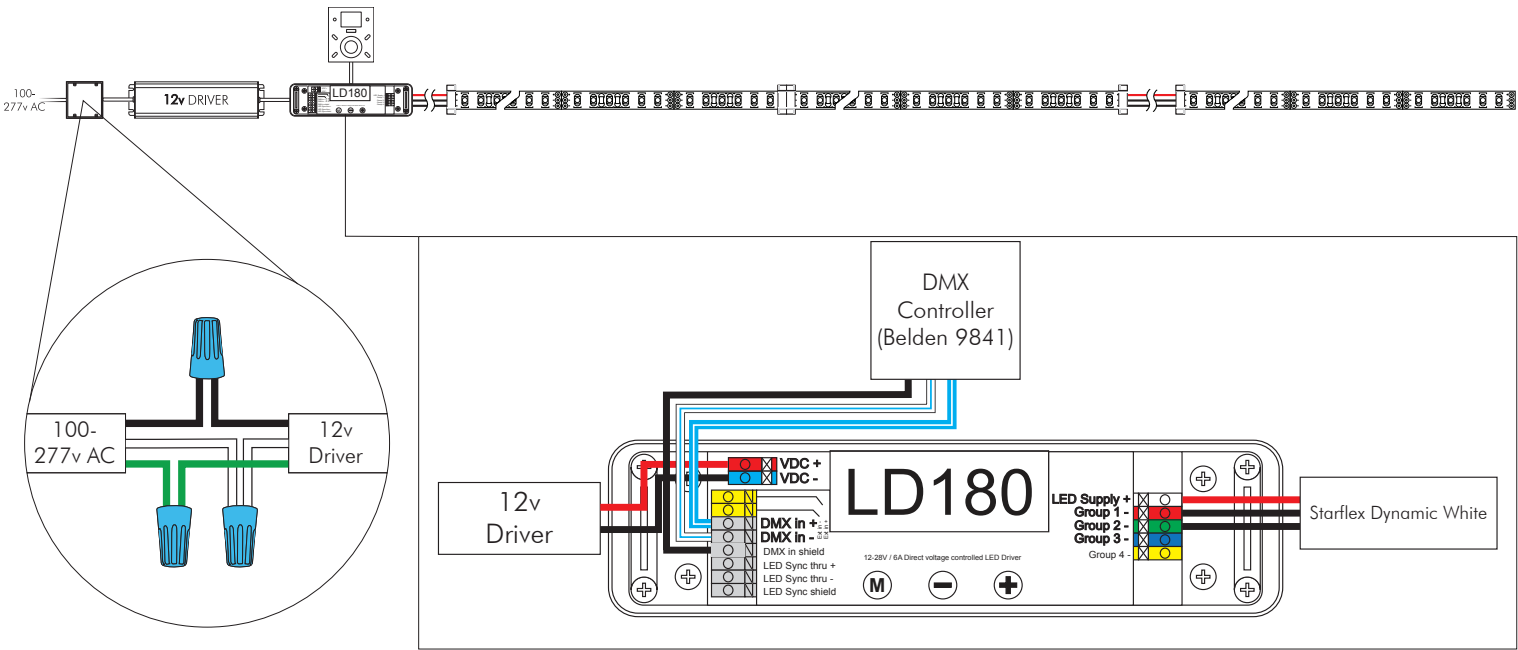
WIRING LEGEND

Power (100-277v AC)
- Power Positive
- Power Negative
- Ground

12v Driver
- Power Positive
- Power Negative

DMX CONTROLLER
- Positive
- Negative

Leader Cable
- 12v Positive
- Negative
- Negative

MAX RUN

132w Driver	46 ft

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F: 702 407 7773 | www.modalight.com | © Copyright 2018

ACCESSORIES

MRTA58
10' Leader Cable

Connects STARFLEX DYNAMIC WHITE
to Power Supply

L: 1/2" (13mm)
W: 1/5" (6mm)
H: 1/10" (2mm)

MRTA60
4" Jumper Cable

Connects Two STARFLEX DYNAMIC WHITE and
Allows for Flexible Corner Bends

L: 1/2" (13mm)
W: 1/5" (6mm)
H: 1/10" (2mm)

MRTA59
In-Line Connector

Connects Two
STARFLEX DYNAMIC WHITE Together

L: 1/2" (13mm)
W: 2/5" (10mm)
H: 1/10" (2mm)

MODA SHIELD

Comes in Either Clear (C) or White (W) Finish

4' Section
Interior Channel: 3/10" (8mm)

MP16
100 - 277v AC

132w - IP67

L: 8 7/10" (222mm)
W: 2 7/10" (68mm)
H: 1 1/2" (39mm)

**Kandi-Touch-Black /
Kandi-Touch-White**

DMX 512 Controller

L: 4 1/5" (106mm)
W: 5 7/10" (146mm)
H: 2/5" (11mm)

LD180
DMX Interface
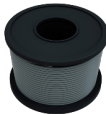
Constant Voltage LED Driver

L: 6" (152mm)
W: 2" (50mm)
H: 9/10" (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)

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 - IP20
Warranty	5 Year Limited Warranty

ORDERING

STF-DW-12V