

RGBW Dry Location LED Flexible Linear System:

RGBW STARFLEX is a premium member of the STARFLEX family. This model comes equipped with a warm white LED and a 3 in 1 RGB LED. Compatible with DMX 512 and capable of producing 16.7 million color variations and instantly transitioning to white light. Can be cut every 6 1/2 inches. Easy peel 3M backing for fixing to most surfaces. A perfect low energy, low heat output solution for cove, niche, cabinet and display applications. See MODA Metal[®] for extrusion options.

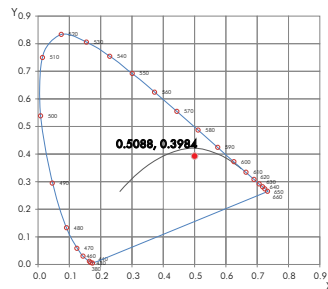
OUTPUT

Delivered Lumens	206.68 lm / ft
CCT & SDMC	4942K - Full RGBW
Chromaticity Coordinates	x: 0.5088 y: 0.3984 u: 0.3009 v: 0.3535
Color Bin Tolerance	N/A
Efficacy (lm/W)	54.10
CRI	N/A
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	24V DC
Power Consumption	3.82W / ft (0.03A)
Power Factor	≤ 1
Control	DMX 512

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

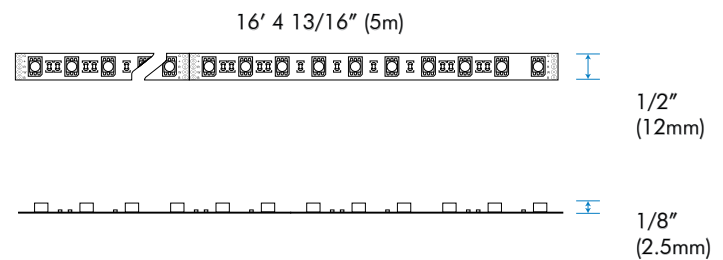
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4579	4708	4692
55	4587	4767	4767
65	4575	4656	4656
75	4155	4288	4243
85	3544	3675	3544



PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 1/2" (12mm) Height 1/8" (2.5mm)
LED Spacing	7/16" (6mm)
Beam Distribution	110°
Cutting Distance	6 1/2" (166mm)
Weight	3.9oz (110g) 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

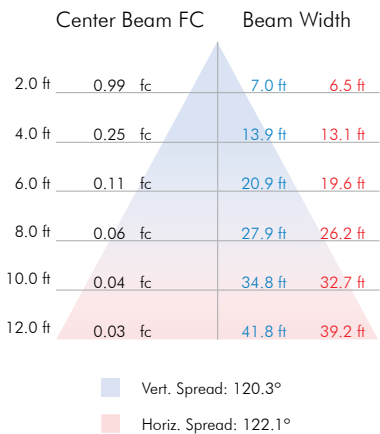
LM
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5
YEAR
WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION

ZONAL LUMEN SUMMARY

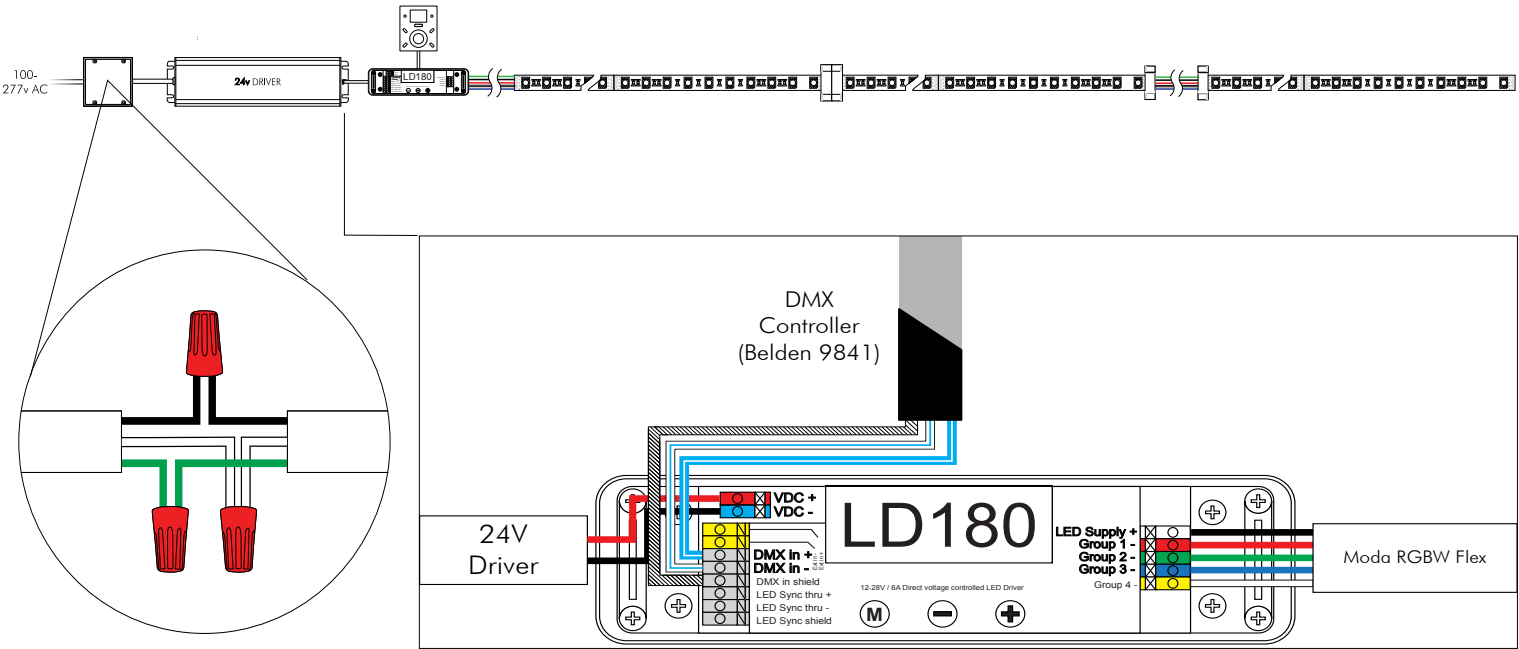
Zone	Lumens	% Lamp	% Fixt
0-30	51.67	N.A.	25.00%
0-40	85.57	N.A.	41.40%
0-60	157.08	N.A.	76.00%
60-90	44.64	N.A.	21.60%
0-90	206.68	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	206.68	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	6.24	N.A.	3.02%
10-20	17.92	N.A.	8.67%
20-30	27.47	N.A.	13.29%
30-40	34.04	N.A.	16.47%
40-50	36.66	N.A.	17.74%
50-60	34.87	N.A.	16.87%
60-70	27.94	N.A.	13.52%
70-80	16.62	N.A.	8.04%
80-90	51.05	N.A.	2.47%
90-100	0.00	N.A.	0.00%

WIRING

Single Run DMX Wiring



WIRING LEGEND

Power (100-277V AC)	24V Driver	DMX CONTROLLER	Leader Cable
Power Positive	Power Positive	Positive	24V Positive
Power Negative	Power Negative	Negative	Red
Ground			Green
			Blue

MAX RUN

150W Driver	16' 4 13/16" (5m)
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ACCESSORIES



MRTA55
10' Leader Cable

Connects RGBW STARFLEX
to Power Supply

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



MRTA56
4" Jumper Cable

Connects Two RGBW STARFLEX and
Allows for Flexible Corner Bends

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



MRTA57
In-Line Connector

Connects Two
RGBW STARFLEX 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)



MP17
100 - 277V AC

150W - 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	Dry Location - IP20
Warranty	5 Year Limited Warranty

ORDERING

RGBWW-STF