

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.

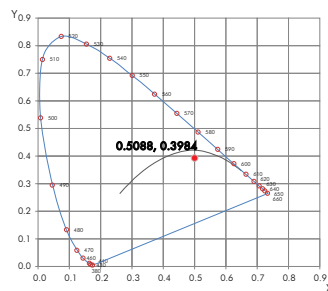
OUTPUT

Delivered Lumens	206.68 lm / ft
CCT & SDMC	3000K - 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

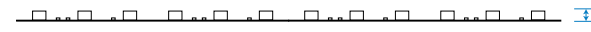
Applications	IP20 Dry Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 1/2" (12mm) Height 1/8" (2.5mm)
LED Spacing	7/16" (6mm)
Beam Distribution	110°
Cutting Distance	6 1/2" (166mm)
Weight	3.9oz (110g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. White FPCB
Thermal Management	N/A
Optics	N/A
Fixture Connections	Snap on 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)



1/2"
(12mm)



1/8"
(2.5mm)

MODA TECHNOLOGY

moda**PHOSPHOR**[™]

moda**ZERO BIN**[™]

STANDARDS & CERTIFICATIONS



RoHS ✓

LM
79

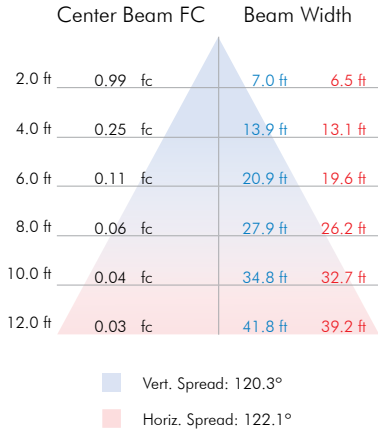
LM
80

5
YEAR
WARRANTY

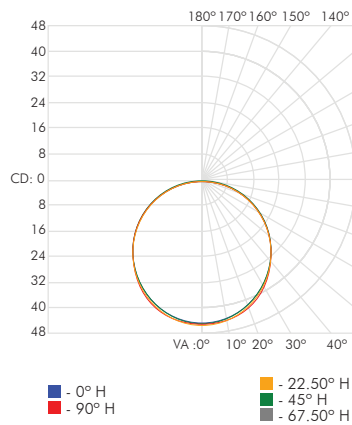
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

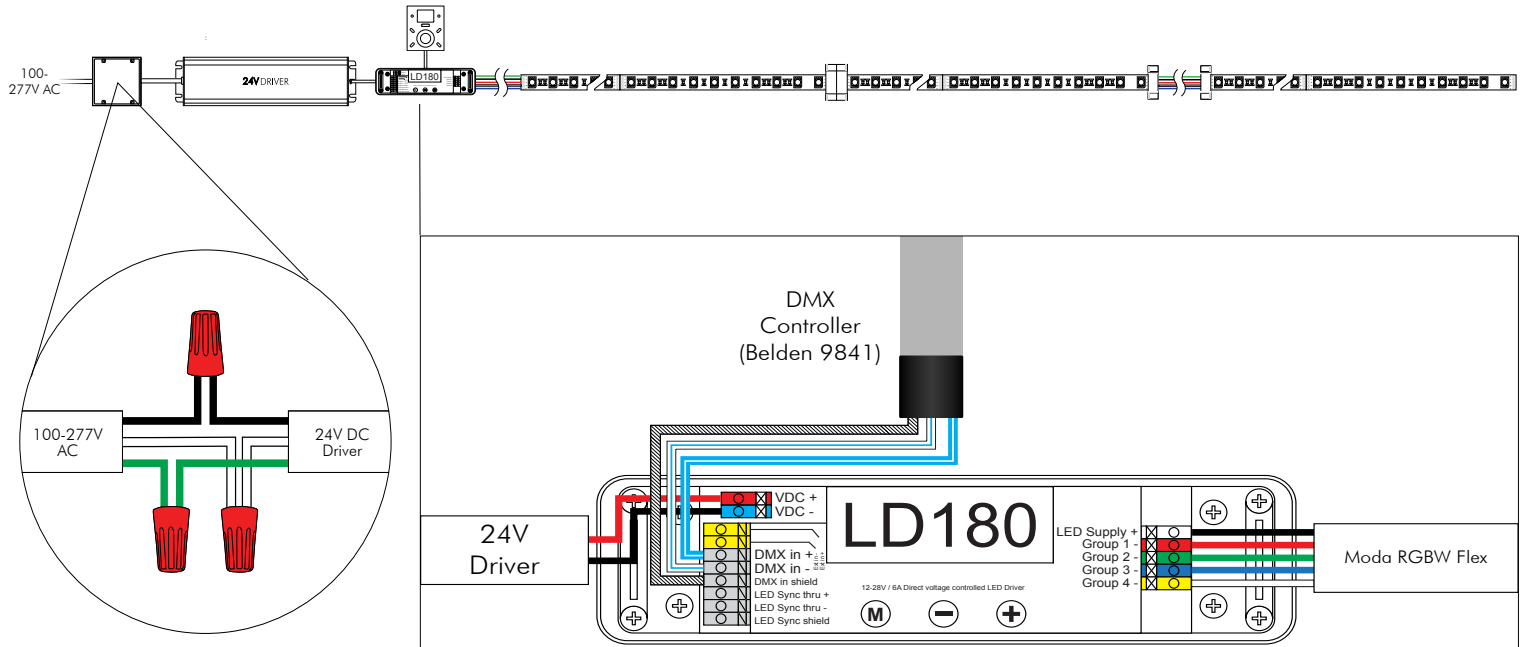
Zone	Lumens	% Lamp	% Fixt
0-30	51.67	N.A.	25.00%
0-40	85.57	N.A.	41.40%
0-60	157.08	N.A.	76.00%
60-90	44.64	N.A.	21.60%
0-90	206.68	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	206.68	N.A.	100.00%

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)
Power Positive
Power Negative
Ground

24V Driver
Power Positive
Power Negative

DMX CONTROLLER
Positive
Negative

Leader Cable
24V Positive
Red
Green
Blue
White

MAX RUN

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

MAX LOAD

150W Driver	35ft
-------------	------

FIXTURE	SKU
Starflex RGBW- IP20 Dry Location 16.4ft	RGBWW-STF
POWER	SKU
24V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - IP20	MP17
ACCESSORIES	SKU
10ft Leader Cable	MRTA55
4in EZ Connector	MRTA56
In-Line Connector	MRTA57
Moda Shield Clear 4ft	MODA-SHD-C-4FT
Moda Shield White 4ft	MODA-SHD-W-4FT
CONTROLS	SKU
Kandi-Touch-Black	KND-TCH-B
Kandi-Touch-White	KND-TCH-W
CONTROLS ACCESSORIES	SKU
Linear Drive 180	LD180
Belden Shielded 9841 500ft	BDL-9841-500
Belden Shielded 9841 1000ft	BDL-9841-1000