

**RGB Low Profile LED Linear Flex System:**  
RGB STARFLEX has set the standard for ultra flexible SSL illumination. Easy installation is achieved with simple hand tools and rapid push to fit connectors. Can be cut every 43 inches. Easy peel 3M backing for fixing to most surfaces. High light output. No UV or IR. Controllable through DMX 512 interface. A perfect low energy, low heat output solution for cove, niche, cabinet and display applications. See MODA Metal<sup>®</sup> for extrusion options.



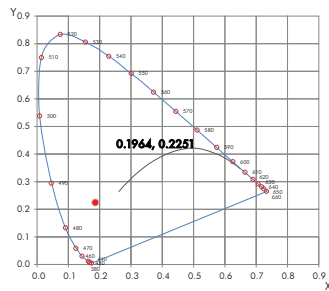
**OUTPUT**

Delivered Lumens	77.88 lm / ft
CCT & SDMC	3000K - Full RGB
Chromaticity Coordinates	x: 0.1964 y: 0.2251 u: 0.1480 v: 0.3816
Color Bin Tolerance	N/A
Efficacy (lm/W)	22.90
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	3.40W / ft (0.14A)
Power Factor	≤ 1
Control	DMX 512

**CIE 1931 CHROMATICITY DIAGRAM**



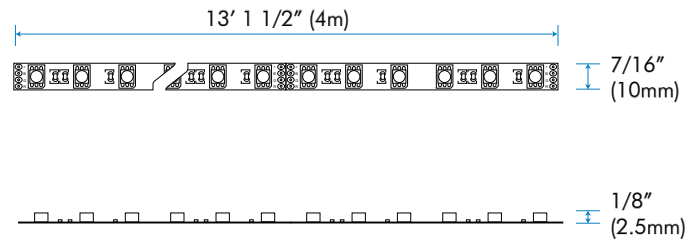
**LUMINANCE DATA**  
(cd/sq.m)

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

**PHYSICAL**

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 13' 1 1/2" (4m) Width 7/16" (10mm) Height 1/8" (2.5mm)
LED Spacing	5/8" (14mm)
Beam Distribution	110°
Cutting Distance	4" (101mm)
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**<sup>™</sup>

**STANDARDS & CERTIFICATIONS**







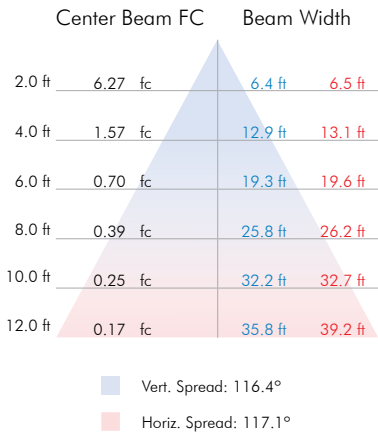


Meets ASHRAE standards

Project Name:

Notes:

**ILLUMINANCE AT A DISTANCE**



**POLAR CANDELA DISTRIBUTION**

**ZONAL LUMEN SUMMARY**

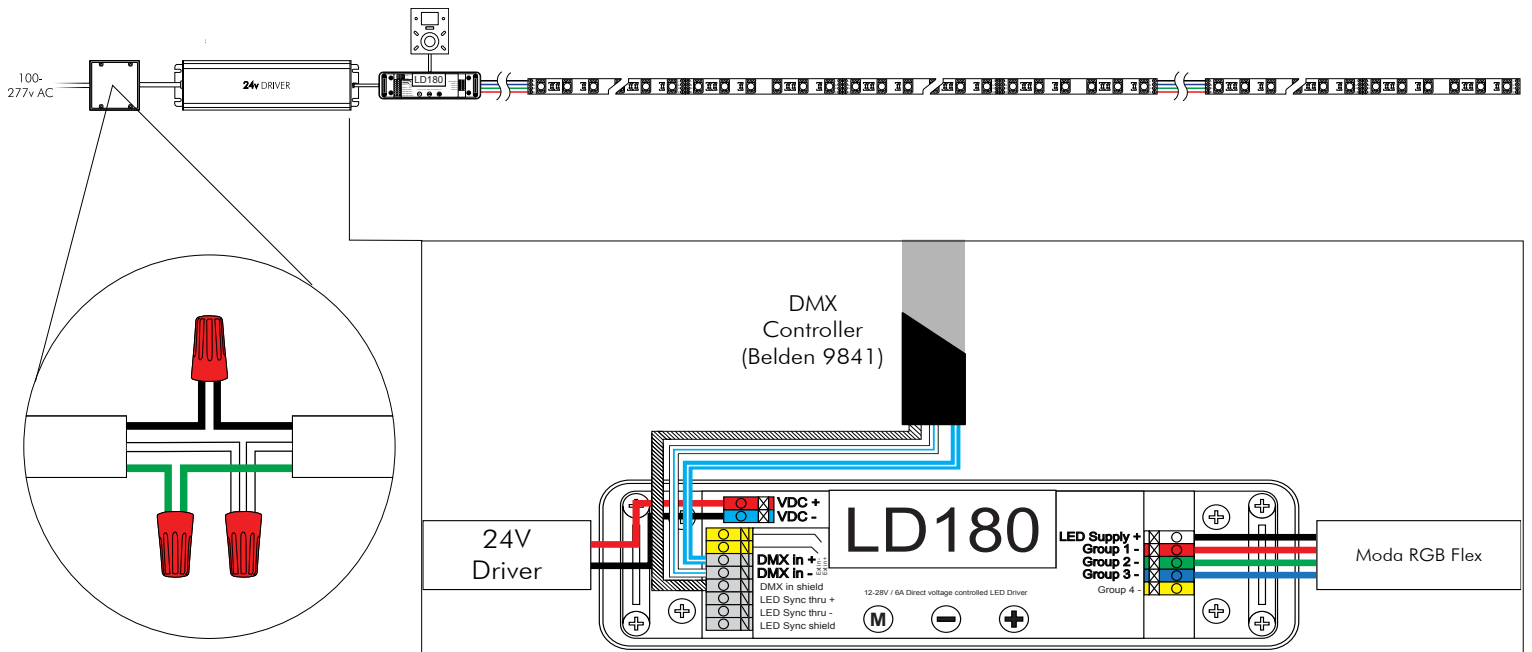
**LUMENS PER ZONE**

Zone	Lumens	% Lamp	% Fixt
0-30	19.86	N.A.	25.50%
0-40	32.92	N.A.	42.30%
0-60	59.64	N.A.	76.60%
60-90	14.15	N.A.	18.20%
0-90	75.33	N.A.	96.70%
90-180	2.55	N.A.	3.30%
0-180	77.88	N.A.	100%

Zone	Lumens	% Lamp	% Fixt
0-10	2.38	N.A.	3.06%
10-20	6.88	N.A.	8.83%
20-30	10.59	N.A.	13.60%
30-40	13.07	N.A.	16.78%
40-50	13.92	N.A.	17.87%
50-60	12.80	N.A.	16.44%
60-70	9.45	N.A.	12.13%
70-80	4.70	N.A.	6.03%
80-90	1.54	N.A.	1.98%
90-100	0.86	N.A.	1.10%

**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

**MAX RUN**

150W Driver 13' 1 1/2" (4m)

**ACCESSORIES**



**MRTA28**  
10' Leader Cable

Connects RGB STARFLEX to Power Supply

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



**MRTA29**  
4" Jumper Cable

Connects Two RGB STARFLEX and  
Allows for Flexible Corner Bends

L: 1/2" (13mm)  
W: 1/5" (6mm)  
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-485 Cable for DMX  
24 AWG stranded TC conductors  
polyethylene insulation

L: 500' (152.4m)



**BDL-9841-1000FT**

RS-485 Cable for DMX  
24 AWG stranded TC conductors  
polyethylene insulation

L: 1000' (304.8m)

**STANDARDS & CERTIFICATIONS**

<b>Certification</b>	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.
<b>Class</b>	3
<b>Environment</b>	Dry Location - IP20
<b>Warranty</b>	5 Year Limited Warranty

**ORDERING**

**RGB-STF**