

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[®] for extrusion options.



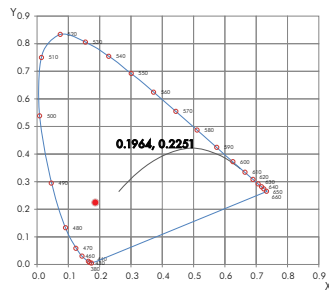
OUTPUT

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



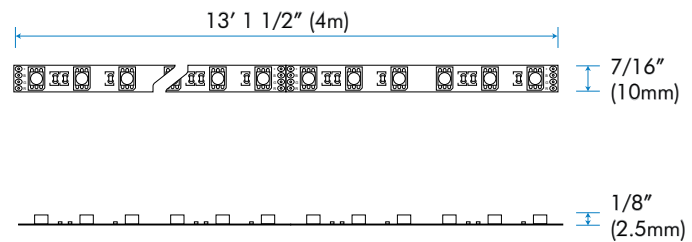
LUMINANCE DATA
(cd/sq.m)

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**[™]

STANDARDS & CERTIFICATIONS



RoHS ✓

LM 79

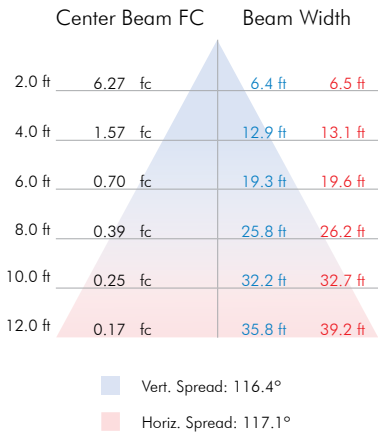
LM 80

5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION

ZONAL LUMEN SUMMARY

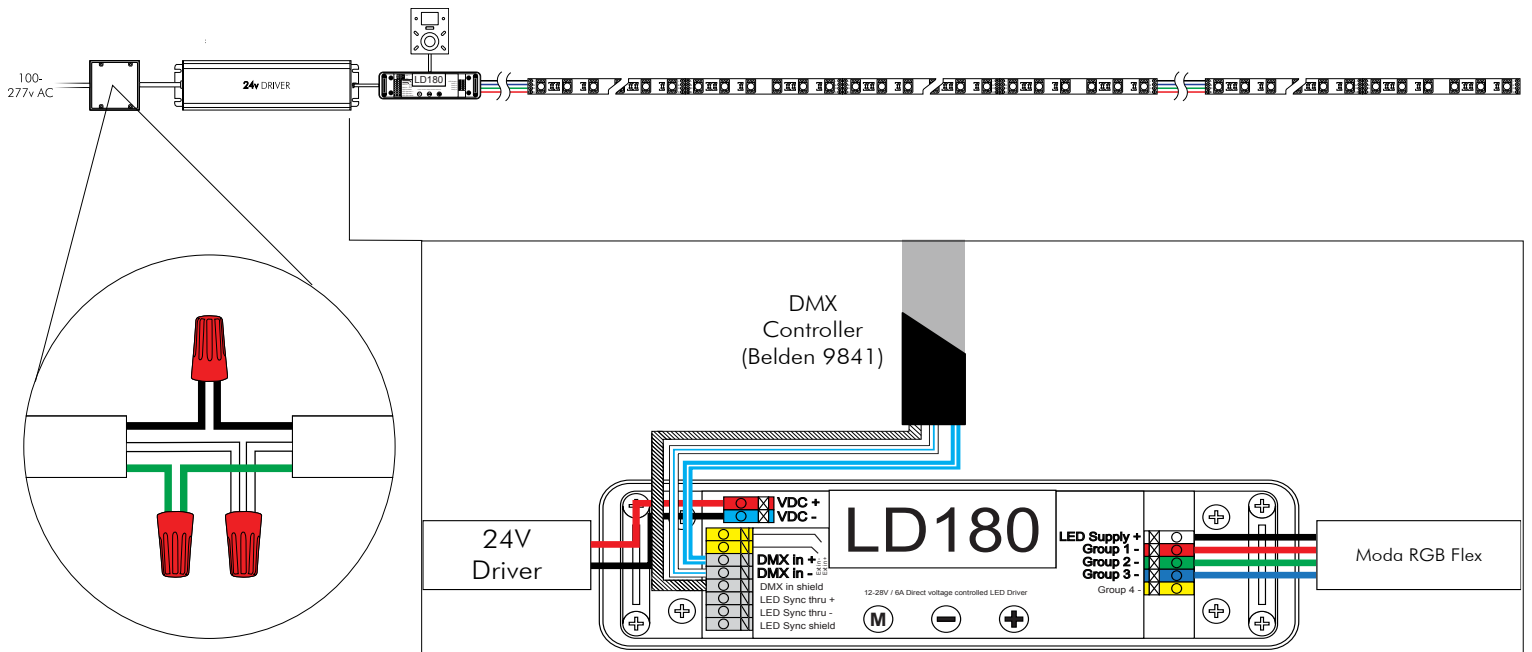
LUMENS PER ZONE

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-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

RGB-STF