RGB Side Emitting LED Flexible Linear System:

RGB EDGE is a premium version of the EDGE family. This model provides the same side emitting qualitites with the ability to contour to the tightest radius as the EDGE family only now is uses a 3 in 1 RGB LED. Compatible with DMX 512 and capable of producing 16.7 million color variations. RGB EDGE is field cuttable every 4" and supplied with a 3M self adhesive backing for simple installation. See MODA Metal® for extrusion options.
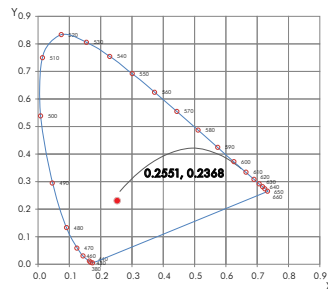
OUTPUT

Delivered Lumens	159.79 lm / ft
CCT & SDMC	4426K - Full RGB
Chromaticity Coordinates	x: 0.2551 y: 0.2368 u: 0.1914 v: 0.2665
Color Bin Tolerance	N/A
Efficacy (lm/w)	31.21
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	5.12W per ft (0.22A)*
Power Factor	≤ 1
Control	DMX 512

* Varies based on run and driver

PHYSICAL

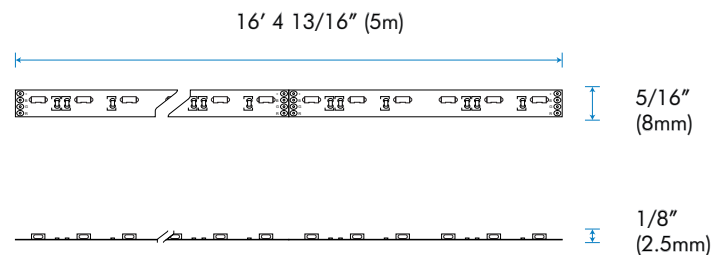|	
Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 5/16" (8mm) Height 1/8" (2.5mm)
LED Spacing	5/8" (16mm)
Beam Distribution	110°
Cutting Distance	4" (101mm)
Weight	3.2oz (91g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs 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

16' 4 13/16" (5m)

5/16" (8mm)

1/8" (2.5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.2551, 0.2368

LUMINANCE DATA
(cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20307	10737	3895
55	31635	14739	3413
65	41637	16773	2735
75	50458	16015	1779
85	139711	22775	712

MODA TECHNOLOGY

moda**BIN**™

STANDARDS & CERTIFICATIONS

ETL CE RoHS ✓

LM 79   LM 80   5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	5.19 fc	3.7 ft	4.3 ft
4.0 ft	1.30 fc	7.4 ft	8.6 ft
6.0 ft	0.58 fc	11.1 ft	12.9 ft
8.0 ft	0.32 fc	14.8 ft	17.3 ft
10.0 ft	0.21 fc	18.5 ft	21.6 ft
12.0 ft	0.14 fc	22.2 ft	25.9 ft

Vert. Spread: 85.5°
Horiz. Spread: 94.3°
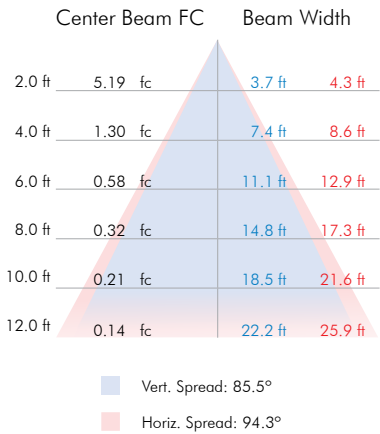
## POLAR CANDELA DISTRIBUTION

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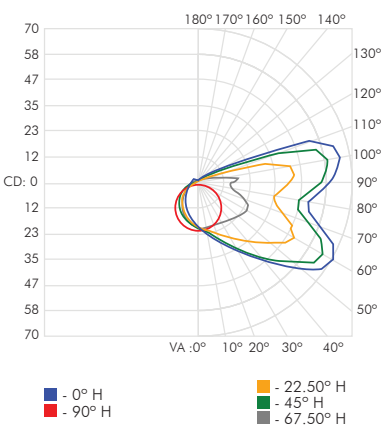
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	15.34	N.A.	9.60%
0-40	27.48	N.A.	17.20%
0-60	64.40	N.A.	40.30%
60-90	38.67	N.A.	24.20%
0-90	120.16	N.A.	75.20%
90-180	39.63	N.A.	24.80%
0-180	159.79	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	1.74	N.A.	1.09%
10-20	5.13	N.A.	3.21%
20-30	8.53	N.A.	5.34%
30-40	12.14	N.A.	7.60%
40-50	16.17	N.A.	10.12%
50-60	20.58	N.A.	12.88%
60-70	21.16	N.A.	13.24%
70-80	17.45	N.A.	10.92%
80-90	17.19	N.A.	10.76%
90-100	18.66	N.A.	11.68%

WIRING
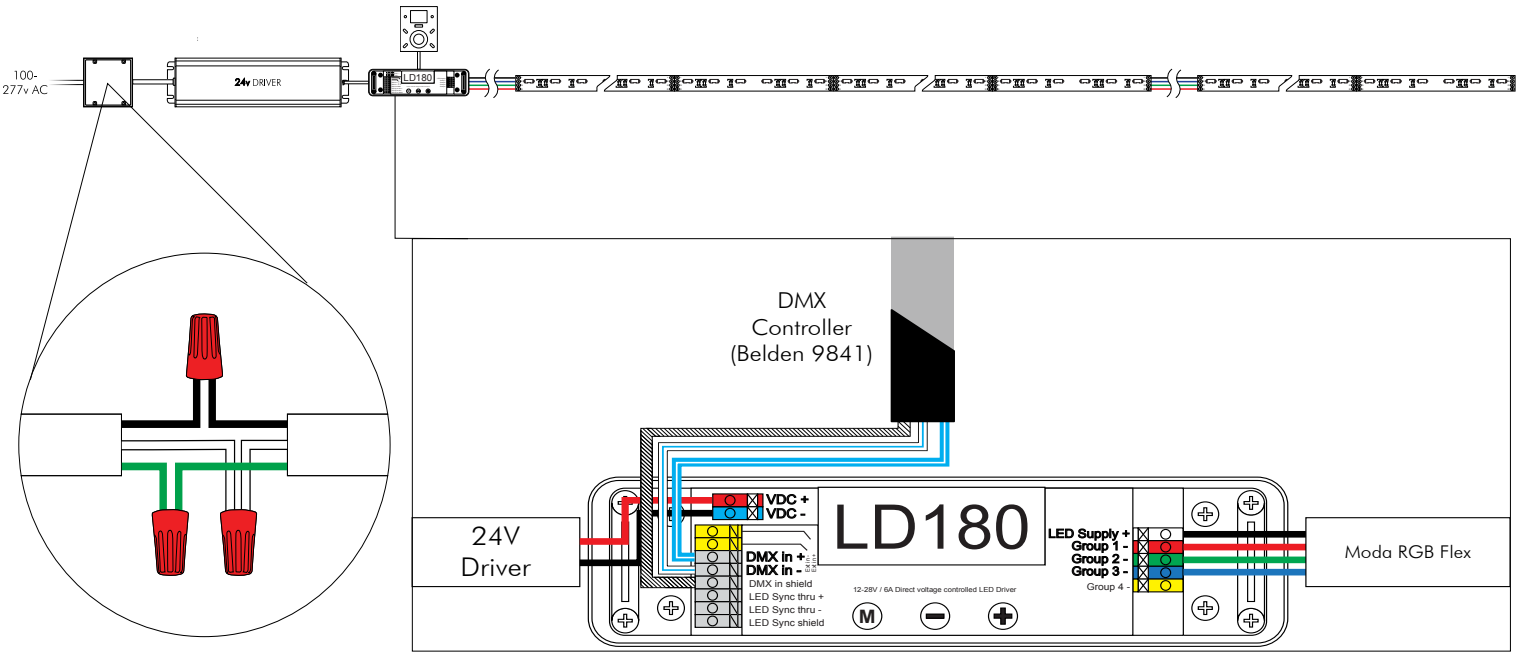
WIRING LEGEND

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	16' 4 13/16" (5m)

ACCESSORIES

MRTA55 **10' Leader Cable** Connects RGB EDGE to Power Supply L: 1/2" (13mm) W: 1/5" (6mm) H: 1/10" (2mm)	**MRTA56** **4" Jumper Cable** Connects Two RGB EDGE and Allows for Flexible Corner Bends L: 1/2" (13mm) W: 1/5" (6mm) H: 1/10" (2mm)	**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-EDG-W