**RGB Side Emitting LED Flexible Linear System:**
RGB EDGE is a premium version of the EDGE family. This model provides the same side emitting qualities with the ability to contour to the tightest radius as the EDGE family - only now it has a 3-in-1 RGB LED. Compatible with DMX512 and capable of producing 16.7 million color variations. RGB EDGE is field cuttable every 4in and supplied with 3M self adhesive backing for simple installation.
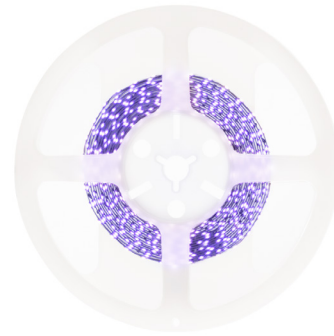
OUTPUT

|	
Delivered Lumens	159.79lm / ft
CCT & SDMC	N/A
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/ft (0.22A)
Power Factor	≤ 1
Control	DMX512

PHYSICAL

Applications	IP20 Dry Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 196 3/4in (5m) Width 5/16in (8mm) Height 1/8in (2.5mm)
LED Spacing	5/8in (16mm)
Beam Distribution	110°
Cutting Distance	4in (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	Snap On Connectors
Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS

196 3/4in (5m)

5/16in (8mm)

1/8in (2.5mm)
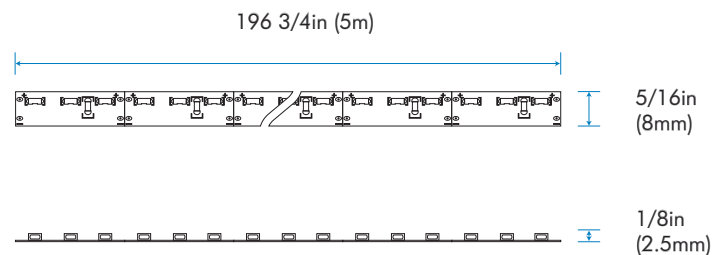
CIE 1931 CHROMATICITY DIAGRAM

0.2551, 0.2368
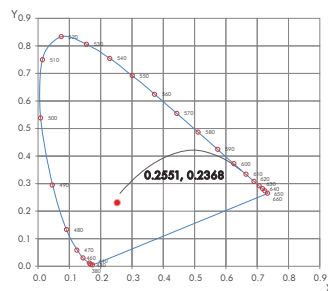
LUMINANCE DATA
(cd/sq.m)

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**PHOSPHOR**™

moda**ZERO BIN**™

STANDARDS & CERTIFICATIONS

c(UL)us   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°
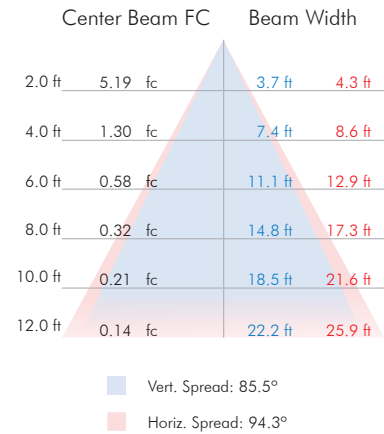
POLAR CANDELA DISTRIBUTION

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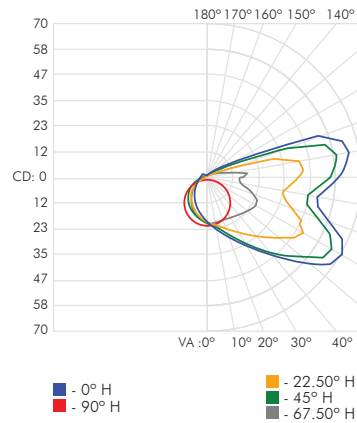
ZONAL LUMEN SUMMARY

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

Connection in Series

Maximum Continuous Run configuration wired in series not to exceed 196 3/4in in overall length
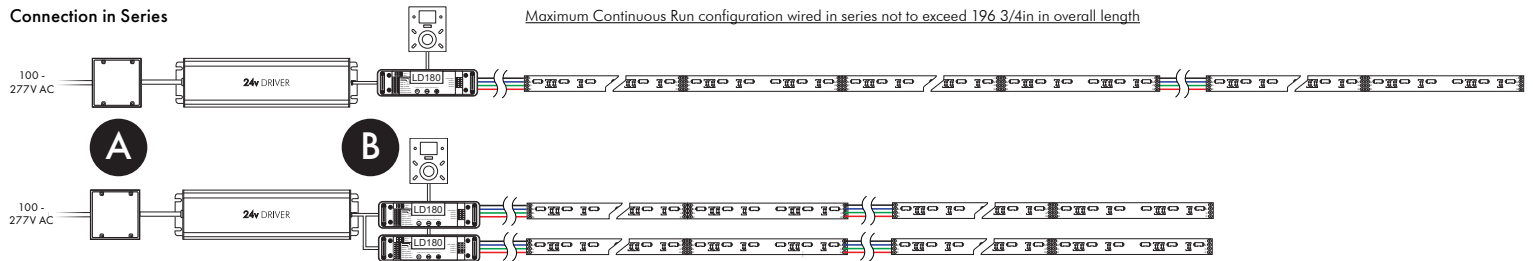

Connection in Parallel

Maximum Load configuration wired in parallel not to exceed 27ft total overall length

Parallel Run DMX Wiring

Multiple connections in parallel can be made provided that each section does not exceed the Max Run Length of the product and does not exceed Max Load on driver.
Example: 2 parallel connections x 162in lengths ≤ 27 total feet for Max Load determination.
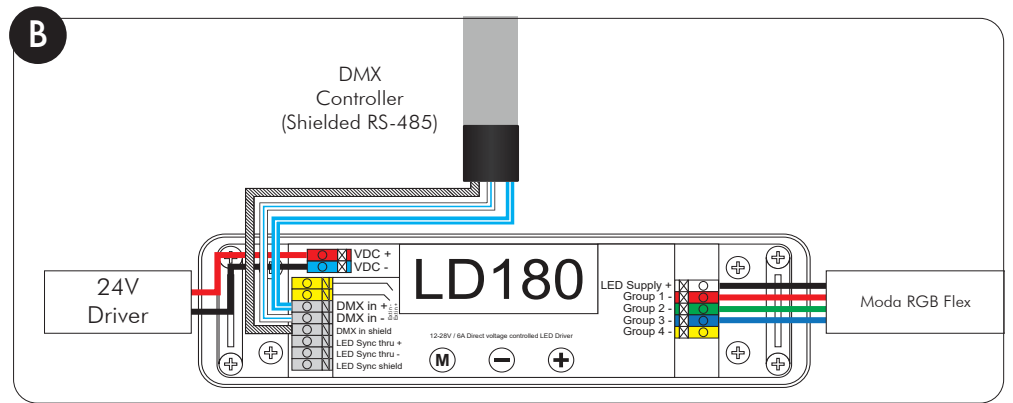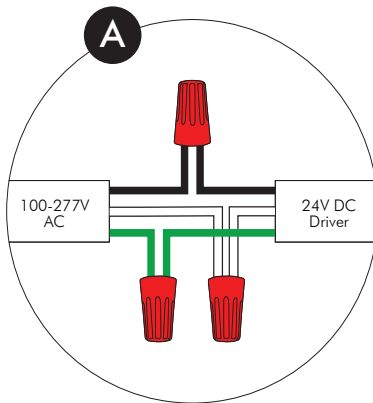
WIRING LEGEND

24V Driver Primary Side	24V Driver Secondary Side	DMX CONTROLLER	Leader Cable
Live 100-277V AC	DC Power Positive	Data Positive	24V Positive
Neutral AC	DC Power Negative	Data Negative	Red
Ground AC		DMX Shield	Green
			Blue

MAX LOAD

150W Driver   27ft (7.9m)

MAX CONTINUOUS RUN

16ft 4 3/4in (5m)

moda**LIGHT**®
SPECIFICATION

FIXTURE	ORDERING SKU
Edge RGB- IP20 Dry Location Black PCB 16.4FT	RGB-EDG-B
Edge RGB- IP20 Dry Location White PCB 16.4FT	RGB-EDG-W

POWER	ORDERING SKU
24V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - IP20	MP17

ACCESSORIES	ORDERING 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	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi Touch	DMX512 Wall Mounted Touch Panel Controller with Color Display	KND-TCH-B (Black) KND-TCH-W (White)	250-0040 250-0041
MODA Touch	DMX512 Wall Mounted Touch Panel Controller	MTCH-S1-B (Black) MTCH-S1-W (White)	MTCH-S1-B MTCH-S1-W

CONTROL ACCESSORIES	DESCRIPTION	PART NUMBER	ORDERING SKU
Linear Drive 180	180W 4 Channel Constant Voltage DMX Interface	N/A	LD180
Shielded Cable 500FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-500FT	250-0251
Shielded Cable 1000FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-1000FT	250-0252