

RGB Side Emitting LED Flexible Linear System:

RGB AQUA EDGE is a premium version of the AQUA EDGE family. This model provides the same side emitting qualities with the ability to contour to the tightest radius as the AQUA 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 AQUA EDGE is housed in a special grade silicone sleeve, field cuttable every 4" and has available mounting clips and end caps for simple installation. See MODA Metal[®] for extrusion options.

OUTPUT

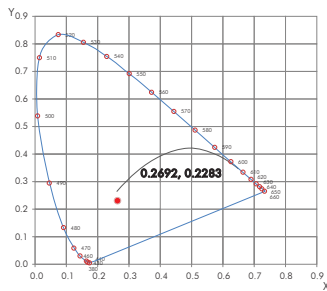
Delivered Lumens	118.98 lm / ft
CCT & SDMC	3666K - Full RGB
Chromaticity Coordinates	x: 0.2692 y: 0.2283 u: 0.2071 v: 0.2634
Color Bin Tolerance	N/A
Efficacy (lm/w)	23.24
CRI	N/A
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing 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
Dimming	DMX 512: 1990
Emergency	N/A

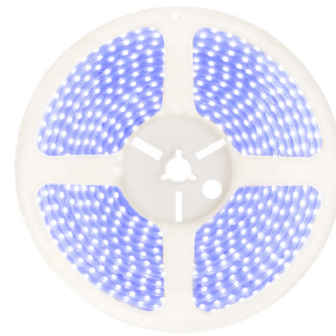
*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

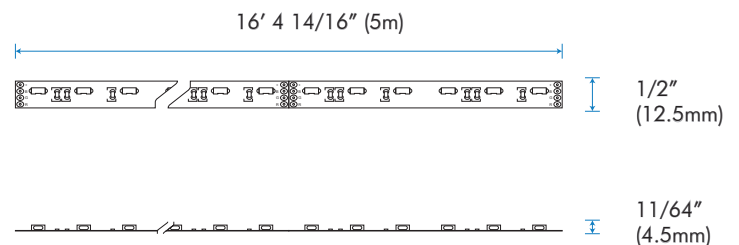
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20307	10737	3895
55	31635	14739	3413
65	41637	16773	2735
75	50458	16015	1779
85	139711	22775	712



PHYSICAL

Applications	Wet Location, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 14/16" (5m) Width 1/2" (12.5mm) Height 11/64" (4.5mm)
LED Spacing	5/8" (16mm)
Beam Distribution	110°
Cutting Distance	4" (101mm)
Weight	11.2oz (317.5g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. Black FPCB Inside a Silicone Sleeve
Thermal Management	N/A
Optics	N/A
Fixture Connections	Solder joints
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

modaBIN[™]

STANDARDS & CERTIFICATIONS



LM 79

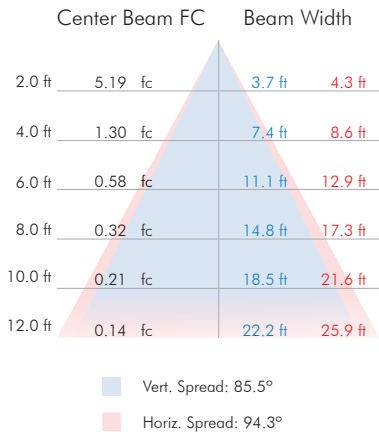
LM 80

5 YEAR WARRANTY

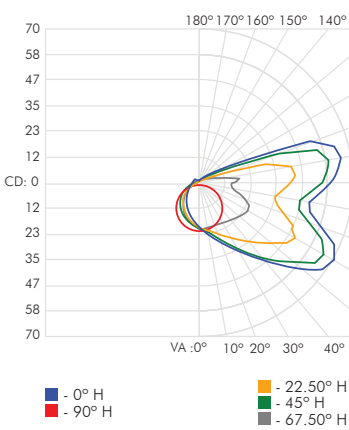
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



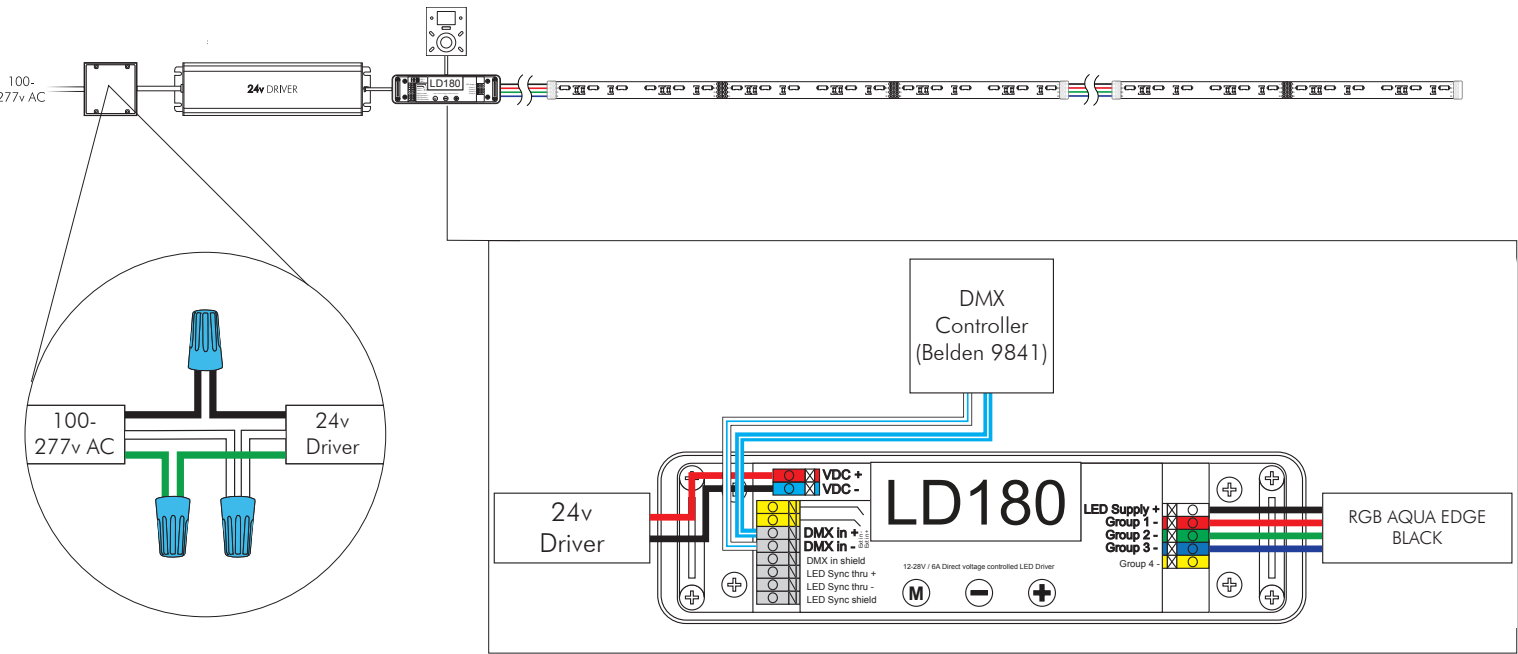
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	11.42	N.A.	9.60%
0-40	20.46	N.A.	17.20%
0-60	47.95	N.A.	40.30%
60-90	28.79	N.A.	24.20%
0-90	89.47	N.A.	75.20%
90-180	29.51	N.A.	24.80%
0-180	118.98	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	1.30	N.A.	1.09%
10-20	3.82	N.A.	3.21%
20-30	6.35	N.A.	5.34%
30-40	9.04	N.A.	7.60%
40-50	12.04	N.A.	10.12%
50-60	15.32	N.A.	12.88%
60-70	15.75	N.A.	13.24%
70-80	12.99	N.A.	10.92%
80-90	18.80	N.A.	10.76%
90-100	13.90	N.A.	11.68%

WIRING



WIRING LEGEND

Power (100-277V AC)	24V Driver	DMX CONTROLLER	Leader Cable
Power Positive	Power Positive	Positive	24V Positive
Power Negative	Power Negative	Negative	Red
Ground			Green
			Blue

MAX RUN

150w Driver	16' 4 14/16" (5m)
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ACCESSORIES



MRTA63 End Cap

Terminates RGB AQUA EDGE
to protect PCB from dust or water

L: 3/5" (15mm)
W: 1/5" (5mm)
H: 1/5" (5mm)



MRTA61 Mounting Clip

Screws into surface to
hold RGB AQUA EDGE

L: 1 1/5" (30mm)
W: 1/5" (6mm)
H: 1/5" (5mm)



MRTA62 3oz Silicone Sealant

Applied between RGB AQUA EDGE, connectors
or end caps to seal from exposure to moisture



MRTA62-XL 1/10 Gal Silicone Sealant

Applied between RGB AQUA EDGE, connectors
or end caps to seal from exposure to moisture



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	Wet Location - IP67
Warranty	5 Year Limited Warranty

ORDERING

RGB-AQ-E-B