moda**LIGHT**®
SPECIFICATION

Dimmable Wet Location Side Emitting LED Linear Flex System.

AQUA EDGE displays both technology and creativity with brand new side emitting LEDs. Now the tightest radius, or the most unique contouring line is possible to illuminate evenly and consistently. Field cuttable and IP67 wet location rated. AQUA EDGE compliments the existing MODA linear flex family with powerful side emitting illumination. See MODA Metal® for extrusion options.
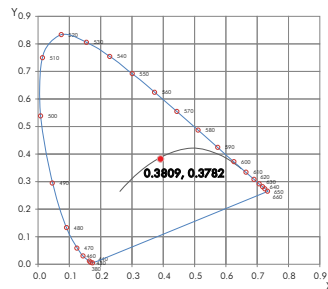
OUTPUT

Delivered Lumens	303.50 lm / ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3806 y: 0.3780 u: 0.2247 v: 0.3348
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	69.00
CRI	82
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	4.4W per ft (0.03A)*
Power Factor	≤ 1
Control	100-277V 0-10V & Magnetic Low Voltage

* Varies based on run and driver

PHYSICAL

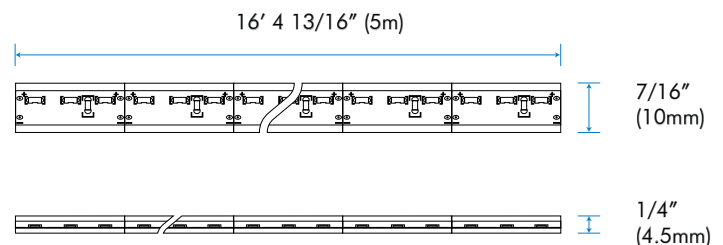|	
Applications	Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 7/16" (10mm) Height 1/4" (4.5mm)
LED Spacing	7/16" (10mm)
Beam Distribution	110°
Cutting Distance	1 11/4" (31mm)
Weight	11.2oz (317.5g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. White 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

16' 4 13/16" (5m)

7/16" (10mm)

1/4" (4.5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.3809, 0.3782

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**™

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	28.10 fc	3.7 ft	4.3 ft
4.0 ft	7.02 fc	7.4 ft	8.6 ft
6.0 ft	3.51 fc	11.1 ft	12.9 ft
8.0 ft	1.75 fc	14.8 ft	17.3 ft
10.0 ft	0.88 fc	18.5 ft	21.6 ft
12.0 ft	0.70 fc	22.2 ft	25.9 ft

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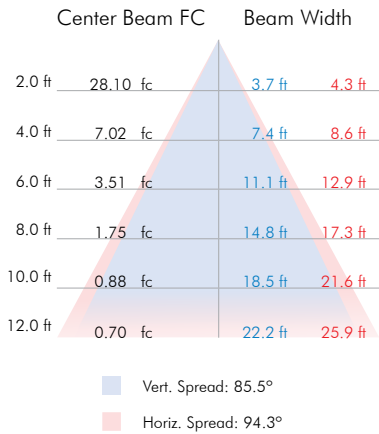
POLAR CANDELA DISTRIBUTION

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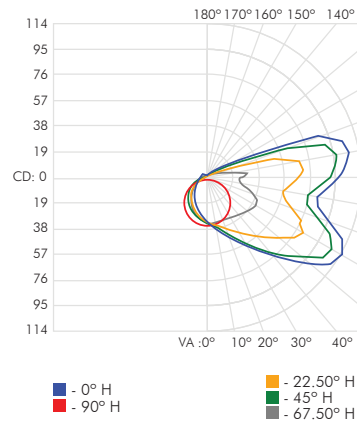
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30		N.A.	9.60%
0-40		N.A.	17.20%
0-60		N.A.	40.30%
60-90		N.A.	24.20%
0-90		N.A.	75.20%
90-180		N.A.	24.80%
0-180		N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	3.30	N.A.	1.09%
10-20	9.74	N.A.	3.21%
20-30	16.02	N.A.	5.34%
30-40	23.07	N.A.	7.60%
40-50	30.71	N.A.	10.12%
50-60	39.10	N.A.	12.88%
60-70	40.18	N.A.	13.24%
70-80	33.14	N.A.	10.92%
80-90	32.65	N.A.	10.76%
90-100	35.45	N.A.	11.68%

WIRING

UL / cUL Non-dimming
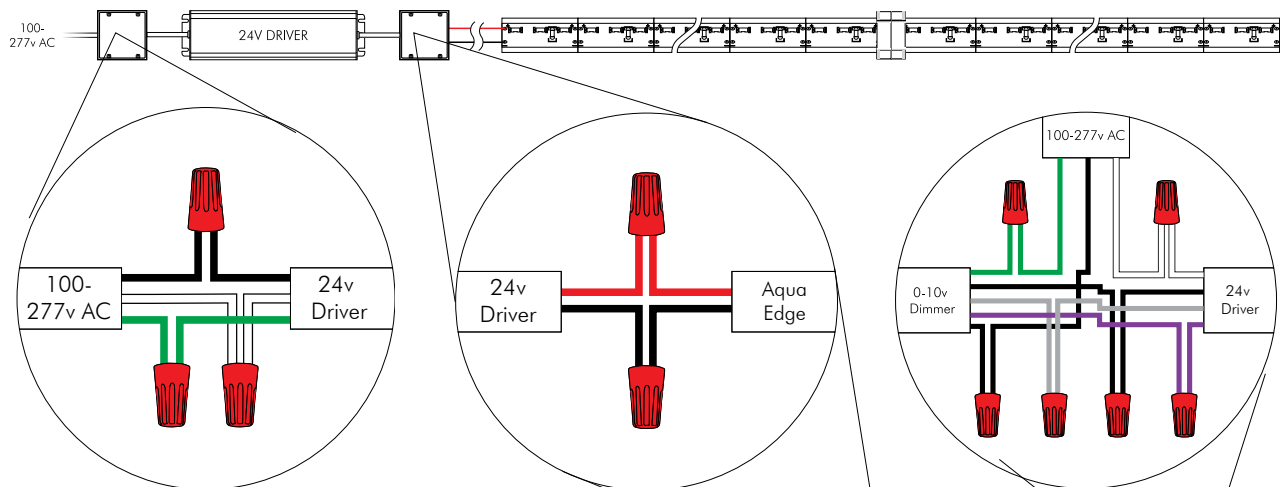
UL / cUL 0-10V Dimming
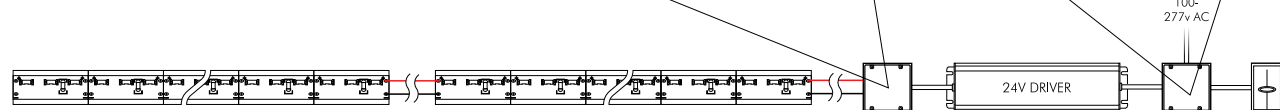
WIRING LEGEND

Power (100-277V AC)
- Power Positive
- Power Negative
- Ground

24V Driver
- Power Positive
- Power Negative

0-10V Dimming
- Power Positive
- Power Negative
- Ground
- Data Positive
- Data Negative

MAX RUN

60W Driver	12ft
100W Driver	20ft
132W Driver	27ft
150W Driver	30ft

ACCESSORIES

MRTA68 MOUNTING CLIPS	MRTA63 END CAP	MRTA62 3oz SEALANT	MRTA62-XL XL SEALANT
Screws into surface to hold AQUA-EDGE	Terminates AQUA-EDGE to protect FPCB from dust or water	Applied between AQUA-EDGE connectors or End Caps to seal from exposure to moisture	Applied between AQUA-EDGE connectors or End Caps to seal from exposure to moisture
L: 1 1/5" (30mm) W: 1/5" (5mm) H: 1/5" (5mm)	L: 3/5" (15mm) W: 1/5" (5mm) H: 1/5" (5mm)		

24v 0-10V Dimming Drivers

MP06 347V AC	MP19N 100 - 277V AC	MP87 100 - 277V AC	MP89 100 - 277V
60W - IP66	60W - IP66	100W - IP66	150W - IP66
L: 9 2/5" (240mm) W: 1 7/10" (43mm) H: 1 3/10" (32mm)	L: 9 2/5" (240mm) W: 1 7/10" (43mm) H: 1 3/10" (32mm)	L: 9 1/2" (241mm) W: 2 3/10" (58mm) H: 1 1/2" (37mm)	L: 9 1/2" (241mm) W: 2 3/5" (67mm) H: 1 3/5" (40.5mm)

24V Non Dimming Drivers

MP17
100 - 277V AC

150W - IP67

L: 8 7/10" (222mm)
W: 2 7/10" (68mm)
H: 1 1/2" (39mm)

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

AQE-EXT-S-S4-W-4K

Due to continuous improvements and innovations, specifications may change without notice. Please refer to our website for current technical data. These figures are provided as a guideline only and may vary with differing power supplies and installations. All rights reserved. E&OE.