

Dimmable Wet Location LED Linear Flex System

AQUAFLEX Providing stable, consistent, energy efficient, ultra flexible solid state lighting with a super low-profile. Field cuttable at designated cutting points. AQUAFLEX is housed in a high quality silicone sleeve and has available mounting clips and end caps for simple installation.



OUTPUT

Delivered Lumens	12.34 lm/ft
CCT & SDMC	N/A
Chromaticity Coordinates	x: 0.6385 y: 0.3572 u: 0.4250 v: 0.5350
Color Bin Tolerance	+/- 3 %
Efficacy (lm/W)	9.28
Wavelength	607nm
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

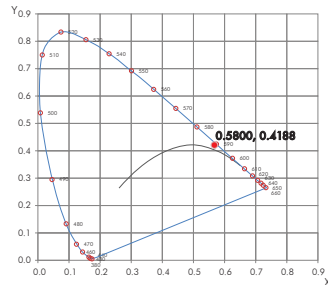
ELECTRICAL

Input Voltage	12V DC
Power Consumption	1.33W per ft (0.11A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

LUMINANCE DATA (cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1434	1006	887
55	1377	860	743
65	1214	638	533
75	809	360	295
85	583	149	118

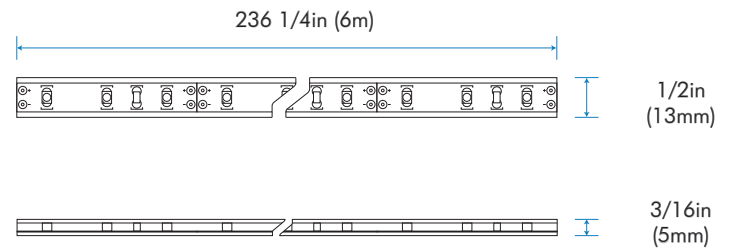
CIE 1931 CHROMATICITY DIAGRAM



PHYSICAL

Applications	IP67 Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 236 1/4in (6m) Width 1/2in (13mm) Height 3/16in (5mm)
LED Spacing	9/16in (14mm)
Cutting Distance	2in (50mm)
Weight	14.4oz (408.2g) 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 ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS



MODA TECHNOLOGY

moda**PHOSPHOR**™
moda**ZERO BIN**™
moda**HIGH CRI**™

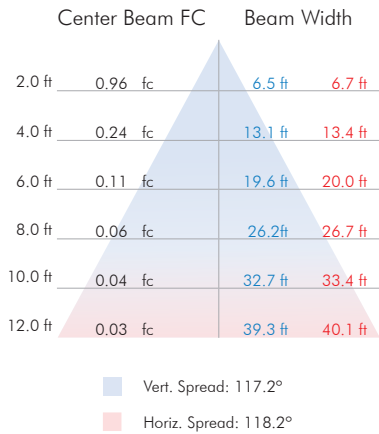
STANDARDS & CERTIFICATIONS



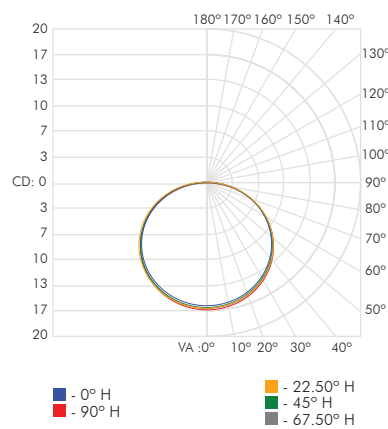
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

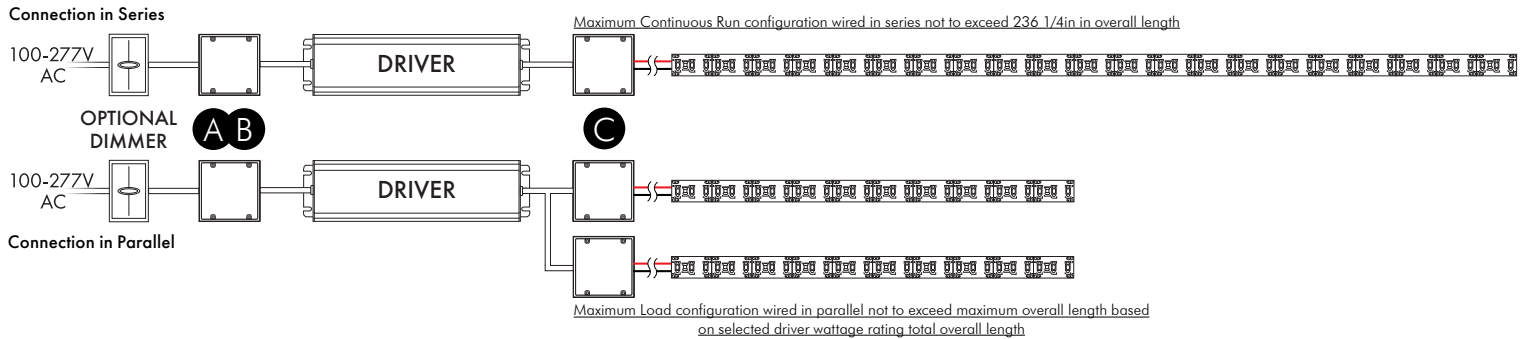
Zone	Lumens	% Lamp	% Fixt
0-30	3.09	N.A.	25.50%
0-40	5.13	N.A.	40.60%
0-60	9.32	N.A.	73.70%
60-90	2.23	N.A.	17.90%
0-90	11.81	N.A.	94.00%
90-180	0.53	N.A.	6.00%
0-180	12.34	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	0.37	N.A.	3.00%
10-20	1.07	N.A.	8.67%
20-30	1.65	N.A.	13.37%
30-40	2.05	N.A.	16.61%
40-50	2.18	N.A.	17.67%
50-60	2.00	N.A.	16.21%
60-70	1.47	N.A.	11.91%
70-80	0.75	N.A.	6.08%
80-90	0.26	N.A.	2.11%
90-100	0.18	N.A.	1.46%

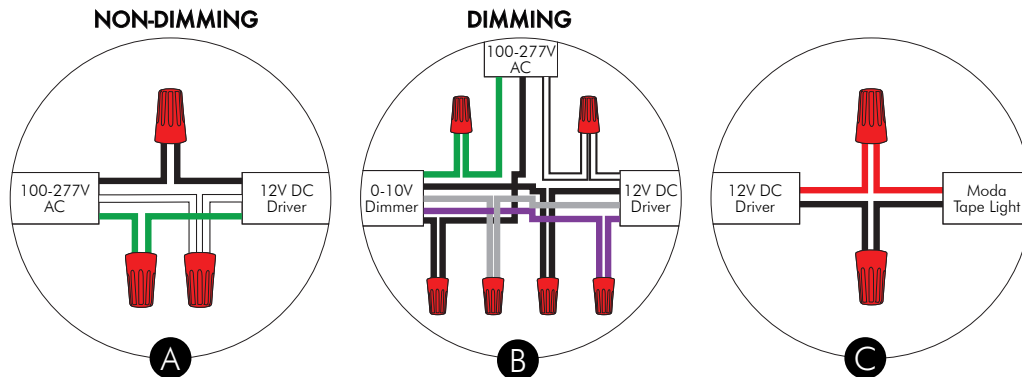
WIRING

UL /cUL Dimming and Non-dimming



Parallel Run 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 612in lengths ≤ 102 total feet for Max Load determination equipped with 150W driver.



WIRING LEGEND

12V Driver Primary Side		12V Driver Secondary Side	
Black	Live 100-277V AC	Red	DC Power Positive
White	Neutral AC	Black	DC Power Negative
Green	Ground AC	Purple	0-10V Data Positive
		Negative	0-10V Data Negative

MAX CONTINUOUS RUN

236 1/4in (6m)

MAX LOAD

60W Driver	41ft
100W Driver	68ft
132W Driver	89ft
150W Driver	102ft

FIXTURE	ORDERING SKU
Aquaflex - IP67 Wet Location EZ Connect Self Adhesive Linear flex 12V DC 19.68FT	AQF-A
POWER	ORDERING SKU
12V DC Driver - 100-277V AC Input - Non-Dimmable - 132W - IP20	MP16
12V DC Driver - 347V AC Input - 0-10V Dimmable - 60W - IP20	MP05
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 60W - IP20	MP18N
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 100W - IP20	MP86
12V DC Driver - 100-277V AC Input - 0-10V Dimmable - 150W - IP20	MP88
ACCESSORIES	ORDERING SKU
Mounting Clips	MRTA61
End Cap	MRTA63
3M Super Silicone Sealant 3 oz	MRTA62
3M Super Silicone Sealant 1/10 Gal	MRTA62-XL