

Dimmable Wet Location LED Linear Flex System

AQUAFLEX HCRI provides stable, consistent, energy efficient, ultra-flexible, solid-state lighting. With a super-low profile, it is able to meet any custom length at the designated cutting points. AQUAFLEX HCRI is housed in a high quality silicone sleeve and has available mounting clips and end caps for simple installation.

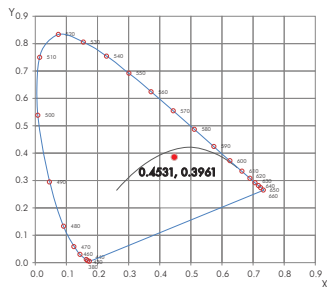
OUTPUT

Delivered Lumens	117.54 lm/ft
CCT & SDMC	2700K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.4531 y: 0.3961 u: 0.2647 v: 0.3471
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	83.95
CRI	91
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	1.4W per ft (0.01A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

CIE 1931 CHROMATICITY DIAGRAM



R VALUES

R1	R2	R3	R4	R5
91	91	87	91	90
R6	R7	R8	R9	R10
89	90	87	89	87
R11	R12	R13	R14	R15
90	80	91	90	90

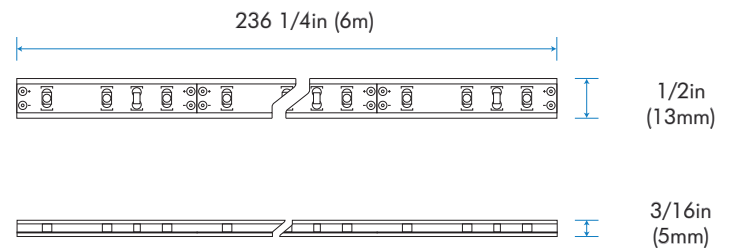
AQUAFLEX[®] EXTERIOR 2700K HCRI



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



LM
79

LM
80

5
YEAR
WARRANTY

Project Name:

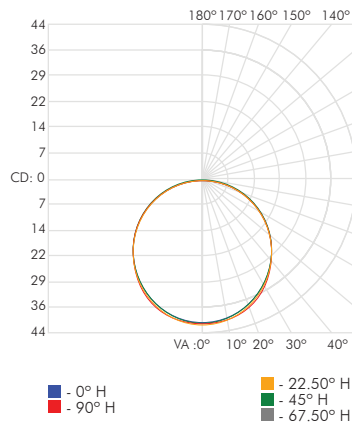
Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	10.88 fc	5.8 ft 6.1 ft
4.0 ft	2.72 fc	11.7 ft 12.1 ft
6.0 ft	1.36 fc	17.5 ft 18.2 ft
8.0 ft	0.68 fc	23.4 ft 24.2 ft
10.0 ft	0.34 fc	29.2 ft 30.3 ft
12.0 ft	0.27 fc	35.1 ft 36.3 ft

■ Vert. Spread: 111.2°
■ Horiz. Spread: 113.1°

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

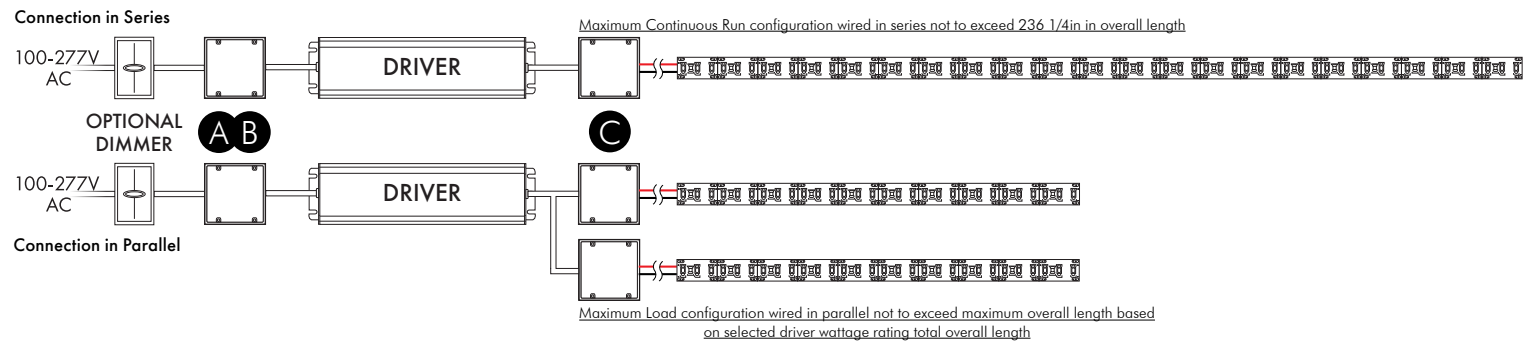
Zone	Lumens	% Lamp	% Fixt
0-30	31.10	N.A.	26.50%
0-40	51.20	N.A.	43.60%
0-60	90.60	N.A.	77.1%
60-90	22.30	N.A.	19.00%
0-90	112.80	N.A.	96.00%
90-180	4.70	N.A.	4.00%
0-180	117.50	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	3.70	N.A.	3.20%
10-20	10.80	N.A.	9.20%
20-30	16.50	N.A.	14.10%
30-40	20.00	N.A.	17.10%
40-50	20.80	N.A.	17.70%
50-60	18.50	N.A.	15.80%
60-70	13.40	N.A.	11.40%
70-80	6.80	N.A.	5.80%
80-90	2.00	N.A.	1.70%
90-100	1.00	N.A.	0.90%

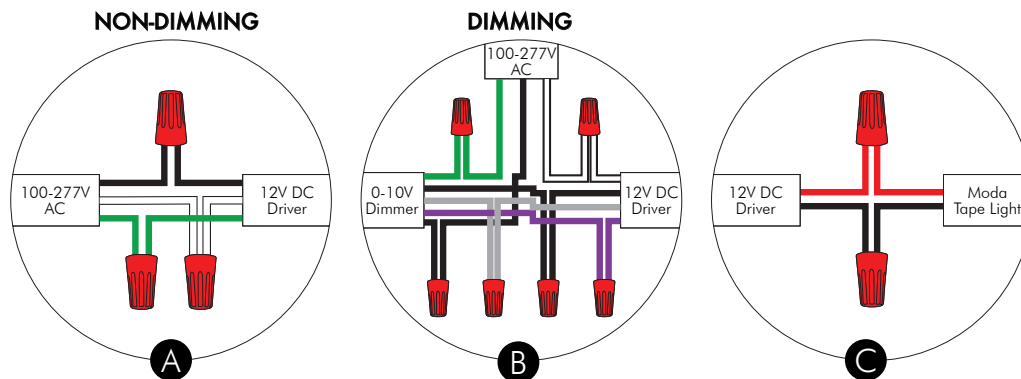
WIRING

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: 4 parallel connections x 236 1/4in lengths ≤ 96 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	38ft
100W Driver	64ft
132W Driver	84ft
150W Driver	96ft

FIXTURE	ORDERING SKU
Aquaflex - IP67 Wet Location EZ Connect Self Adhesive Linear Flex 12V DC 19.68FT Reel 2700K HCRI	AQF-EXT-S-S1-W-27-19
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