

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	11.77 lm/ft
CCT & SDMC	N/A
Chromaticity Coordinates	x: 0.6924 y: 0.3050 u: 0.5250 v: 0.5240
Color Bin Tolerance	+/- 3 %
Efficacy (lm/W)	9.20
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	1.28W per ft (0.11A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

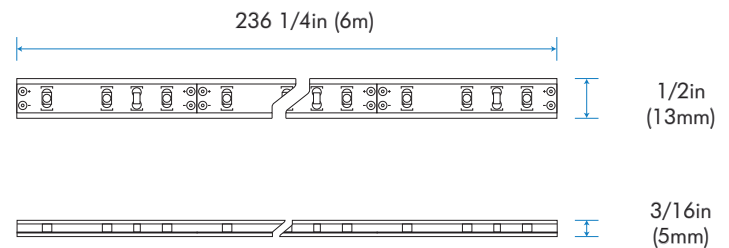
LUMINANCE DATA (cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1372	946	850
55	1346	810	720
65	1130	591	511
75	729	320	278
85	583	155	133

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

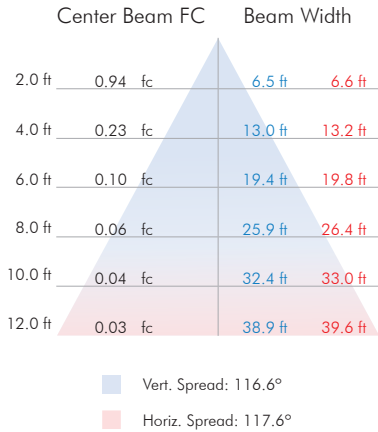
LM
80

5
YEAR
WARRANTY

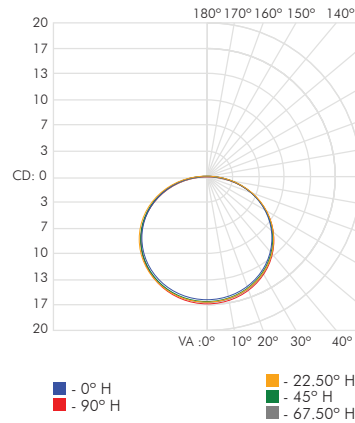
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

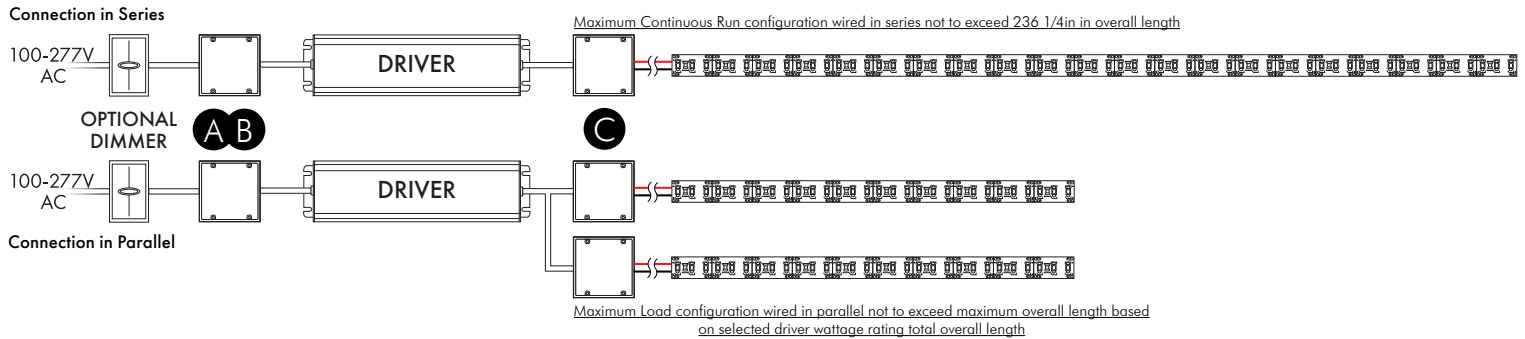
Zone	Lumens	% Lamp	% Fixt
0-30	2.96	N.A.	25.10%
0-40	4.90	N.A.	41.60%
0-60	8.87	N.A.	75.40%
60-90	2.06	N.A.	17.50%
0-90	11.21	N.A.	95.20%
90-180	0.56	N.A.	4.80%
0-180	11.77	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	0.35	N.A.	3.02%
10-20	1.02	N.A.	8.67%
20-30	1.58	N.A.	13.29%
30-40	1.95	N.A.	16.47%
40-50	2.07	N.A.	17.74%
50-60	1.90	N.A.	16.87%
60-70	1.37	N.A.	13.52%
70-80	0.69	N.A.	8.04%
80-90	0.28	N.A.	2.47%
90-100	0.18	N.A.	0.00%

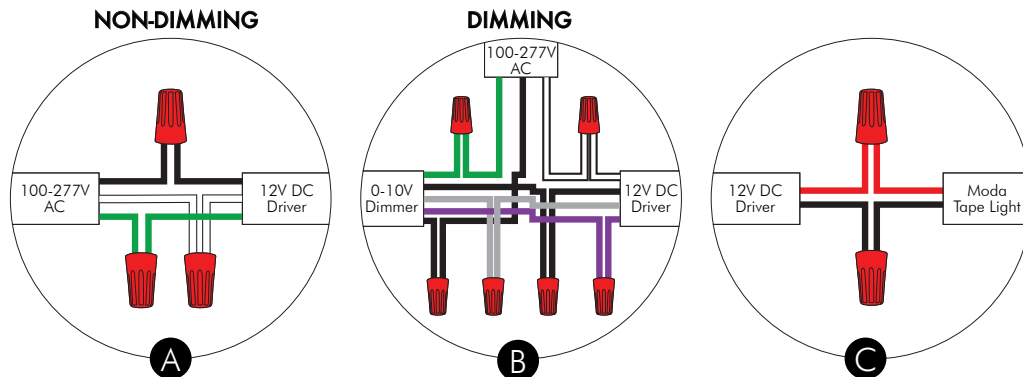
WIRING

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: 5 parallel connections x 236 1/4in lengths ≤ 109 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	42ft
100W Driver	70ft
132W Driver	93ft
150W Driver	105ft

FIXTURE	ORDERING SKU
Aquaflex - IP67 Wet Location EZ Connect Self Adhesive Linear flex 12V DC 19.68FT Reel Red	AQF-R
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