

Dynamic White Flexible Linear Product

AQUAFLEX DYNAMIC WHITE combines warm white and cool white LED's to enable easy tuning of white light color temperatures. This flexible linear solution is ideal for lighting applications that need to have complete control over their light output. AQUAFLEX DYNAMIC WHITE is housed in a high quality silicon sleeve and has available mounting clips and end caps for simple installation.



OUTPUT

Delivered Lumens	241.54 lm/ft
CCT & SDMC	2300K - 4500K
Chromaticity Coordinates	x: 0.4531 y: 0.03961 u: 0.2547 v: 0.3471
Color Bin Tolerance	N/A
Efficacy (lm/W)	94.35
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

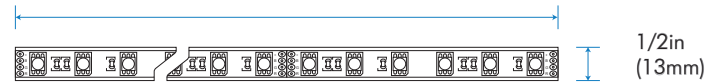
Input Voltage	12V DC
Power Consumption	2.56W per ft (0.14A)
Power Factor	≤ 1
Control	DMX512

PHYSICAL

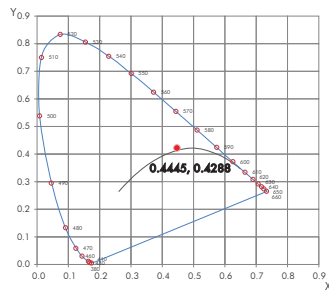
Applications	IP67 Wet locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 196 3/4in (5m) Width 1/2in (13mm) Height 3/16in (5mm)
LED Spacing	1/5in (6mm)
Beam Distribution	110°
Cutting Distance	2in (50mm)
Weight	16oz (454g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. White FPCB Inside a Silicone Sleeve
Thermal Management	N/A
Optics	N/A
Fixture Connections	Snap on Connectors
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

196 3/4in (5m)



CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA
(cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9493	6655	5939
55	9206	5749	4930
65	8152	4276	3630
75	5432	2311	1921
85	3337	917	734

MODA TECHNOLOGY

moda**PHOSPHOR**[™]

moda**ZERO BIN**[™]

STANDARDS & CERTIFICATIONS



RoHS ✓

LM 79

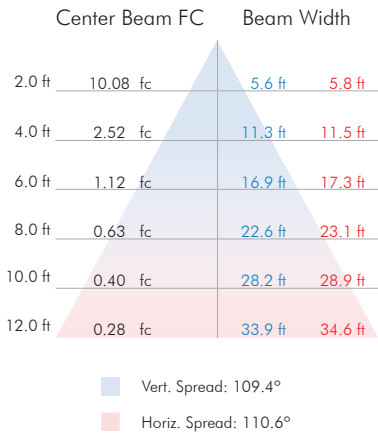
LM 80

3 YEAR WARRANTY

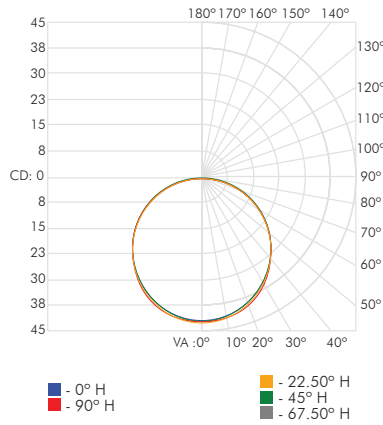
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

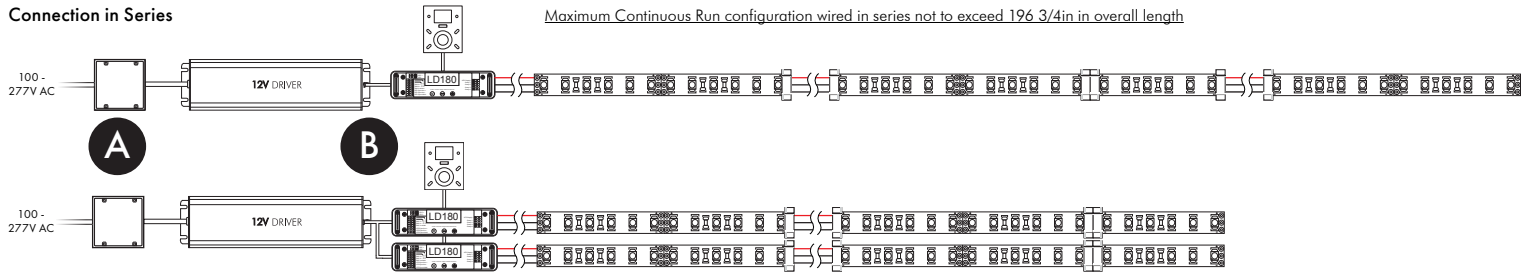
Zone	Lumens	% Lamp	% Fixt
0-30	61.60	N.A.	25.50%
0-40	102.17	N.A.	42.30%
0-60	185.02	N.A.	76.60%
60-90	44.00	N.A.	18.20%
0-90	233.57	N.A.	96.70%
90-180	8.00	N.A.	3.30%
0-180	241.54	N.A.	100%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	7.40	N.A.	3.06%
10-20	21.33	N.A.	8.83%
20-30	32.85	N.A.	13.60%
30-40	40.53	N.A.	16.78%
40-50	43.16	N.A.	17.87%
50-60	39.71	N.A.	16.44%
60-70	29.30	N.A.	12.13%
70-80	14.56	N.A.	6.03%
80-90	4.78	N.A.	1.98%
90-100	2.66	N.A.	1.10%

WIRING

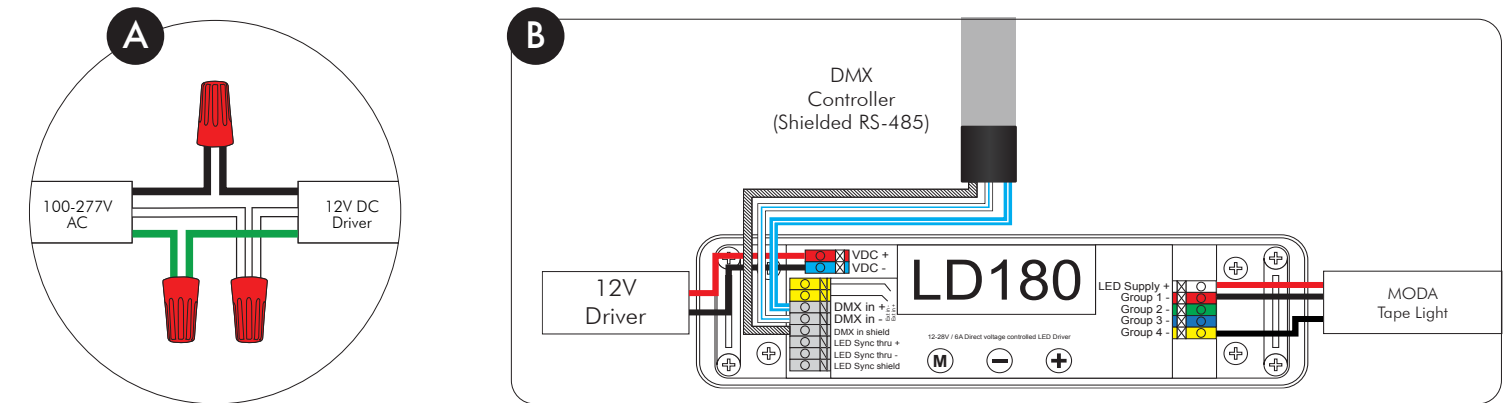
Connection in Series



Connection in Parallel

Parallel Run DMX 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: 3 parallel connections x 184in lengths ≤ 46 total feet for Max Load determination.



WIRING LEGEND

12V Driver Primary Side	12V Driver Secondary Side	DMX CONTROLLER	Leader Cable
— Live 100-277V AC	— DC Power Positive	— Data Positive	— 12V Positive
— Neutral AC	— DC Power Negative	— Data Negative	— Negative
— Ground AC		— DMX Shield	— Negative

MAX LOAD

132W Driver 46ft (14m)

MAX CONTINUOUS RUN

196 3/4in (5m)

FIXTURE	ORDERING SKU
Aquaflex Dynamic White 2300K-4500K	AQF-DW-12V

POWER	ORDERING SKU
12V DC Driver - 100-277V AC Input - Non-Dimmable - 132W - IP20	MP16

ACCESSORIES	ORDERING SKU
Mounting Clip	MRTA61
End Cap	MRTA63
3M Super Silicone Sealant 3 oz	MRTA62
3M Super Silicone Sealant 1/10 Gal	MRTA62-XL

CONTROLS	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi Touch	DMX512 Wall Mounted Touch Panel Controller with Color Display	KND-TCH-B (Black)	250-0040
		KND-TCH-W (White)	250-0041
MODA Touch	DMX512 Wall Mounted Touch Panel Controller	MTCH-S1-B (Black)	MTCH-S1-B
		MTCH-S1-W (White)	MTCH-S1-W

CONTROL ACCESSORIES	DESCRIPTION	PART NUMBER	ORDERING SKU
Linear Drive 180	180W 4 Channel Constant Voltage DMX Interface	N/A	LD180
Shielded Cable 500FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-500FT	250-0251
Shielded Cable 1000FT	RS-485 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	SW-L-19827-1-1000FT	250-0252