

RGBW Wet Location LED Flexible Linear System

RGBW AQUAFLEX is a premium member of the AQUAFLEX family. This model comes equipped with a warm white 3000K LED and a 3 in 1 RGB LED. Compatible with DMX512 and capable of producing 16.7 million color variations and instantly transitioning to white light. RGBW AQUAFLEX is housed in a special grade silicone sleeve, field cuttable every 6 1/2in, and has available mounting clips and end caps for simple installation.

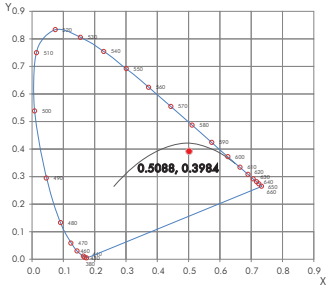
OUTPUT

Delivered Lumens	206.68 lm/ft
CCT & SDMC	4942K - Full RGBW
Chromaticity Coordinates	x: 0.5088 y: 0.3984 u: 0.3009 v: 0.3535
Color Bin Tolerance	N/A
Efficacy (lm/W)	54.10
CRI	N/A
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

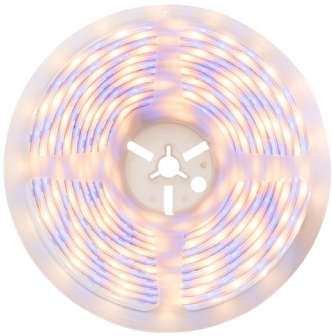
Input Voltage	24V DC
Power Consumption	3.82W per ft (0.32A)
Power Factor	≤ 1
Control	DMX512

CIE 1931 CHROMATICITY  
DIAGRAM



LUMINANCE DATA  
(cd/sq.m)

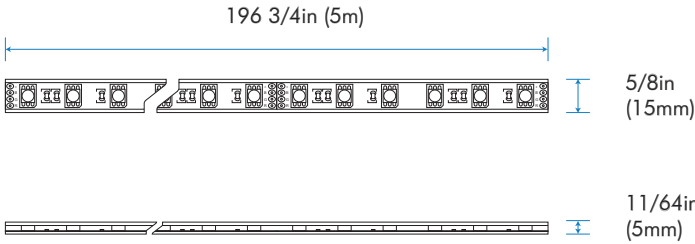
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4579	4708	4692
55	4587	4767	4767
65	4575	4656	4656
75	4155	4288	4243
85	3544	3675	3544



PHYSICAL

Applications	IP67 Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 196 3/4in (5m) Width 5/8in (15mm) Height 11/64in (5mm)
LED Spacing	7/16in (11mm)
Beam Distribution	110°
Cutting Distance	6 1/2in (166mm)
Weight	11.2 lbs (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 ~ 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

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US

CE

RoHS

✓

LM

79

LM

80

3

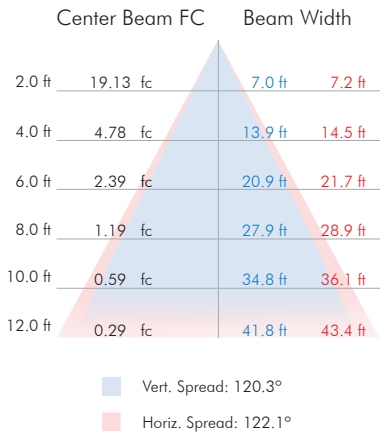
YEAR

WARRANTY

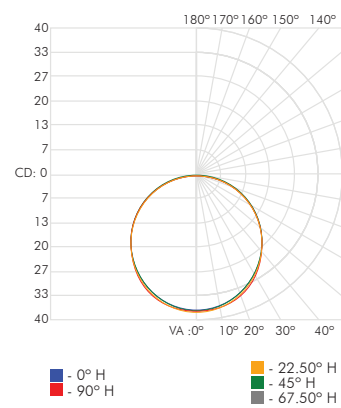
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

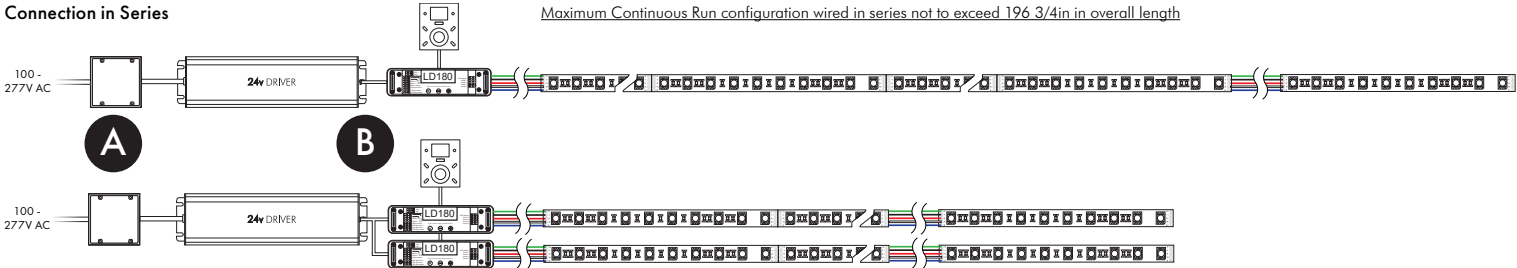
Zone	Lumens	% Lamp	% Fixt
0-30	51.67	N.A.	25.00%
0-40	85.57	N.A.	41.40%
0-60	157.08	N.A.	76.00%
60-90	44.64	N.A.	21.60%
0-90	206.68	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	206.68	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	6.24	N.A.	3.02%
10-20	17.92	N.A.	8.67%
20-30	27.47	N.A.	13.29%
30-40	34.04	N.A.	16.47%
40-50	36.66	N.A.	17.74%
50-60	34.87	N.A.	16.87%
60-70	27.94	N.A.	13.52%
70-80	16.62	N.A.	8.04%
80-90	51.05	N.A.	2.47%
90-100	0.00	N.A.	0.00%

WIRING

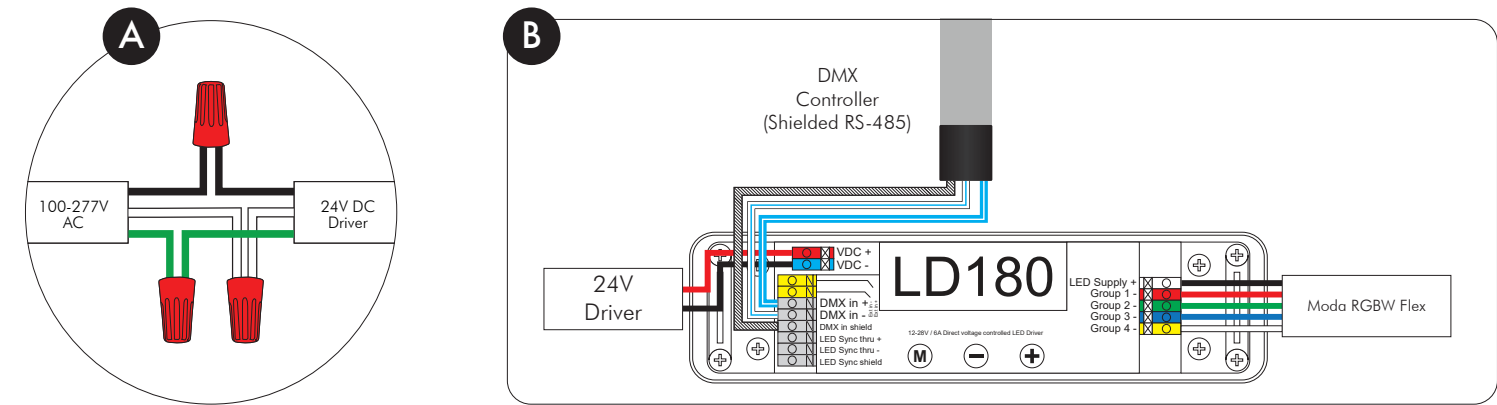
Connection in Series



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 156in lengths ≤ 35 total feet for Max Load determination.



WIRING LEGEND

24V Driver Primary Side	24V Driver Secondary Side	DMX CONTROLLER	Leader Cable
Live 100-277V AC	DC Power Positive	Data Positive	24V Positive
Neutral AC	DC Power Negative	Data Negative	Red
Ground AC		DMX Shield	Green
			Blue
			White

MAX LOAD

150W Driver      35ft (10.7m)

MAX CONTINUOUS RUN

196 3/4in (5m)

FIXTURE	ORDERING SKU
Aquaflex RGBW 3000K- IP67 Wet Location 16.4FT	RGBWW-AQF

POWER	ORDERING SKU
24V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - IP20	MP17

ACCESSORIES	ORDERING SKU
Mounting Clip	MRTA66
End Cap	MRTA67
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