

Dimmable Wet Location LED Linear Flex System

AQUAFLEX RUBY is a 2100K CCT product with a high RED content - perfect for creating warm environments, and excellent at enhancing skin tones for hospitality. Providing stable, consistent, energy-efficient, ultra-flexible, solid state lighting with a super low-profile. Field cuttable at designated cutting points. AQUAFLEX RUBY is housed in a high quality silicone sleeve and has available mounting clips and end caps for simple installation.

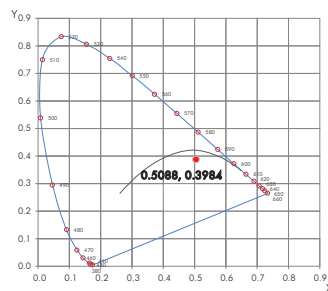
OUTPUT

Delivered Lumens	136.11 lm/ft
CCT & SDMC	2100K
Chromaticity Coordinates	x: 0.5088 y: 0.3984 u: 0.3009 v: 0.3535
Color Bin Tolerance	N/A
Efficacy (lm/W)	61.87
CRI	72
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	2.20W per ft (0.18A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

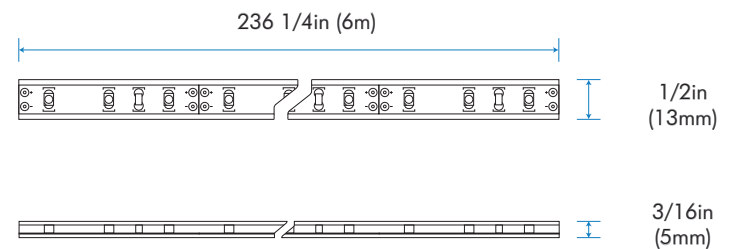
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4579	4708	4692
55	4587	4767	4767
65	4575	4656	4656
75	4155	4288	4243
85	3544	3675	35442



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**[™]

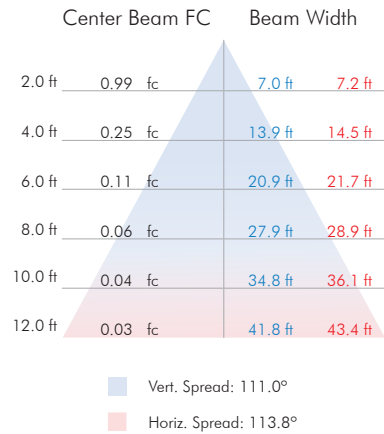
STANDARDS & CERTIFICATIONS

UL[®] US
CE
RoHS[✓]
LM 79
LM 80
5 YEAR WARRANTY

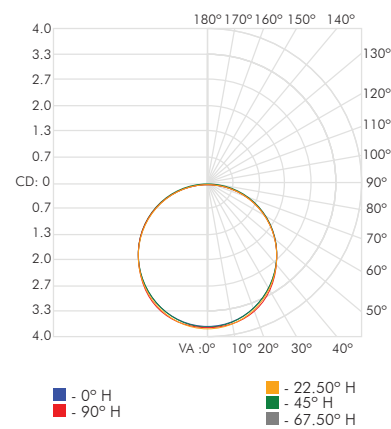
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	34.03	N.A.	25.00%
0-40	56.35	N.A.	41.40%
0-60	103.44	N.A.	76.00%
60-90	29.40	N.A.	21.60%
0-90	136.11	N.A.	100.00%
90-180	0.00	N.A.	0.00%
0-180	136.11	N.A.	100.00%

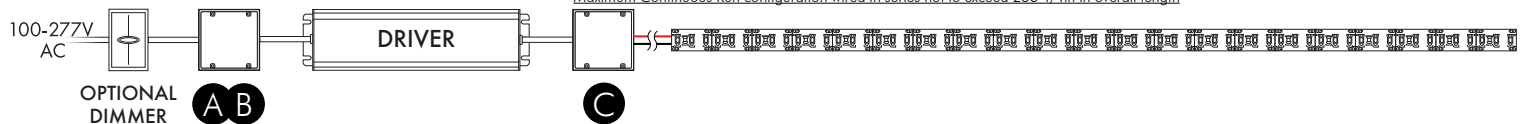
LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	4.11	N.A.	3.02%
10-20	11.80	N.A.	8.67%
20-30	18.09	N.A.	13.29%
30-40	22.42	N.A.	16.47%
40-50	24.15	N.A.	17.74%
50-60	22.96	N.A.	16.87%
60-70	18.40	N.A.	13.52%
70-80	10.94	N.A.	8.04%
80-90	3.36	N.A.	2.47%
90-100	0.00	N.A.	0.00%

WIRING

UL /cUL Dimming and Non-dimming

Connection in Series



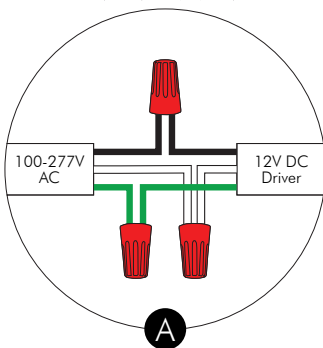
Connection in Parallel



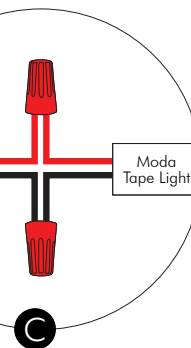
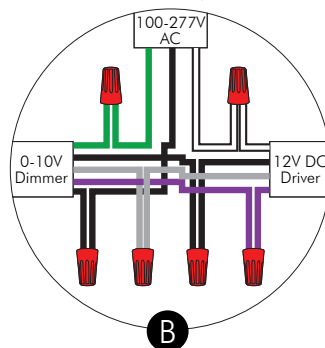
Parallel Run Wiring

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 183in lengths ≤ 61 total feet for Max Load determination equipped with 150W driver.

NON-DIMMING



DIMMING



WIRING LEGEND

12V Driver Primary Side

Black	Live 100-277V AC
White	Neutral AC
Green	Ground AC

12V Driver Secondary Side

Red	DC Power Positive
Black	DC Power Negative
Purple	0-10V Data Positive
Negative	0-10V Data Negative

MAX CONTINUOUS RUN

236 1/4in (6m)

MAX LOAD

60W Driver	24ft
100W Driver	40ft
132W Driver	50ft
150W Driver	61ft

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