modaLIGHT®
SPECIFICATION

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.
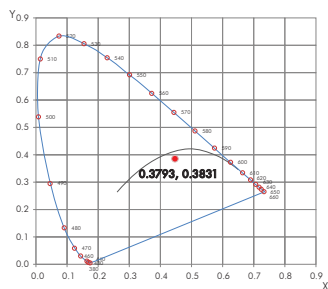
OUTPUT

Delivered Lumens	158.42 lm/ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3793 y: 0.3831 u: 0.2219 v: 0.5042
Color Bin Tolerance	+/- 3%
Efficacy (lm/W)	113.15
CRI	94
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)

PHYSICAL

Applications	IP67Wet 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

236 1/4in (6m)

1/2in (13mm)

3/16in (5mm)

CIE 1931 CHROMATICITY DIAGRAM

0.3793, 0.3831

R VALUES

R1	R2	R3	R4	R5
94	94	91	94	93
R6	R7	R8	R9	R10
92	93	90	89	89
R11	R12	R13	R14	R15
94	83	95	93	93
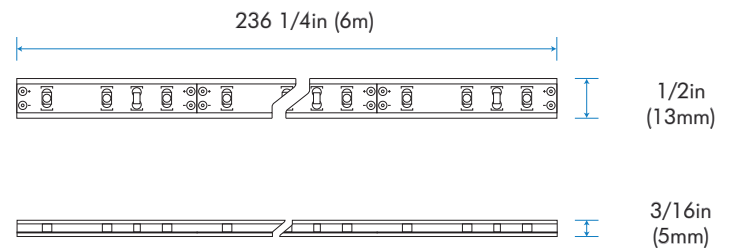
MODA TECHNOLOGY

modaPHOSPHOR™

moda ZERO BIN™

moda HIGH CRI™

STANDARDS & CERTIFICATIONS

c(UL)us   C E   RoHS ✓

LM 79   LM 80   5 YEAR WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width	
2.0 ft	14.66 fc	5.8 ft	6.1 ft
4.0 ft	3.66 fc	11.7 ft	12.1 ft
6.0 ft	1.83 fc	17.5 ft	18.2 ft
8.0 ft	0.91 fc	23.4 ft	24.2 ft
10.0 ft	0.45 fc	29.2 ft	30.3 ft
12.0 ft	0.36 fc	35.1 ft	36.3 ft

Vert. Spread: 111.2°
Horiz. Spread: 113.1°
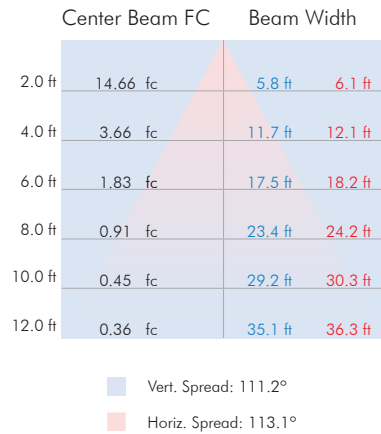
POLAR CANDELA DISTRIBUTION

- 0° H
- 90° H
- 22.50° H
- 45° H
- 67.50° H
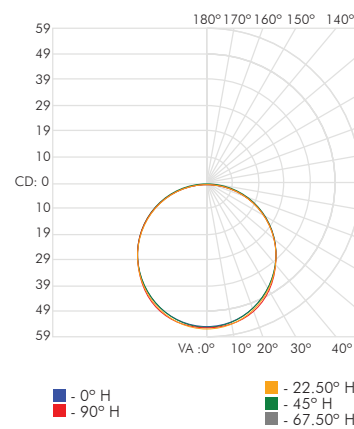
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	40.39	N.A.	25.50%
0-40	69.07	N.A.	43.60%
0-60	122.14	N.A.	77.1%
60-90	30.09	N.A.	19.00%
0-90	15208.32	N.A.	96.00%
90-180	6.33	N.A.	4.00%
0-180	158.42	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	5.00	N.A.	3.20%
10-20	15.00	N.A.	9.20%
20-30	22.00	N.A.	14.10%
30-40	27.00	N.A.	17.10%
40-50	28.00	N.A.	17.70%
50-60	25.00	N.A.	15.80%
60-70	18.00	N.A.	11.40%
70-80	9.10	N.A.	5.80%
80-90	2.60	N.A.	1.70%
90-100	1.40	N.A.	0.90%

WIRING

UL /cUL Dimming and Non-dimming

Connection in Series

100-277V AC

OPTIONAL DIMMER Ⓐ Ⓑ

DRIVER

Ⓒ

Maximum Continuous Run configuration wired in series not to exceed 236 1/4in in overall length

Connection in Parallel

100-277V AC

DRIVER

Maximum Load configuration wired in parallel not to exceed maximum overall length based on selected driver wattage rating total overall length
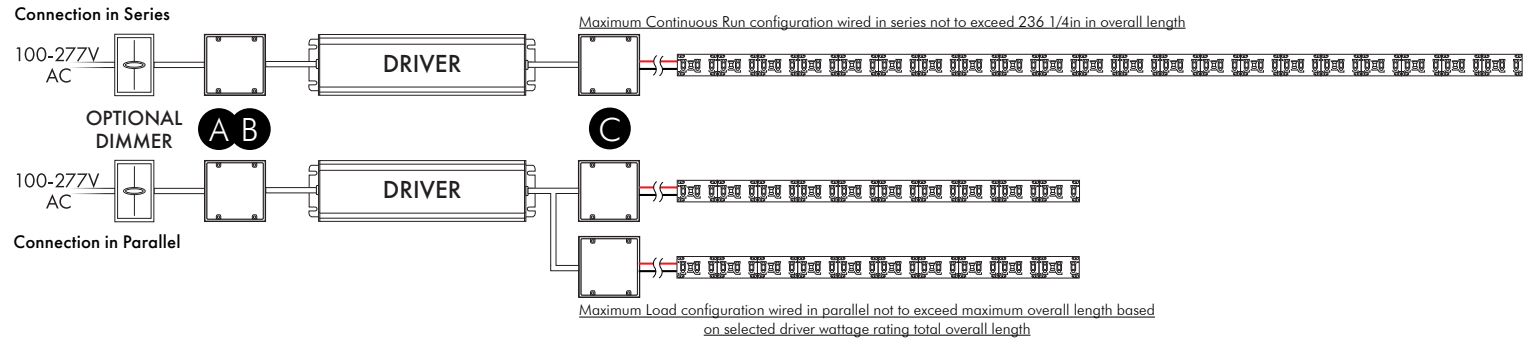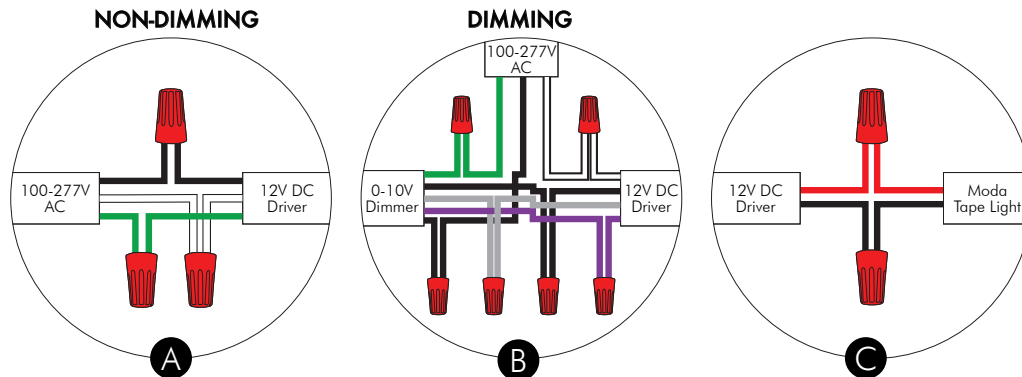
Parallel Run Wiring

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.

NON-DIMMING

100-277V AC | 12V DC Driver

Ⓐ

DIMMING

100-277V AC

0-10V Dimmer | 12V DC Driver

Ⓑ

12V DC Driver | Moda Tape Light

Ⓒ

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	38ft
100W Driver	64ft
132W Driver	84ft
150W Driver	96ft

moda**LIGHT**®
SPECIFICATION

FIXTURE	ORDERING SKU
Aquaflex - IP67 Wet Location EZ Connect Self Adhesive Linear Flex 12V DC 19.68FT Reel 4000K HCRI	AQF-EXT-S-S1-W-4H-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