

Dimmable Wet Location LED Linear Flex System.

AQUAFLEX HCRI provides stable, consistent, energy efficient, ultra flexible solid state lighting. With a super lowprofile 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. See MODA Metal[®] for extrusion options.

OUTPUT

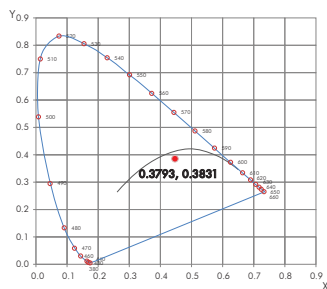
Delivered Lumens	158.42 lm / ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3793 y: 0.3831 u: 0.2219 v: 0.5042
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/w)	113.15
CRI	94
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours 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
Dimming	100-277v 0-10v & Magnetic Low Voltage
Emergency	N/A

*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



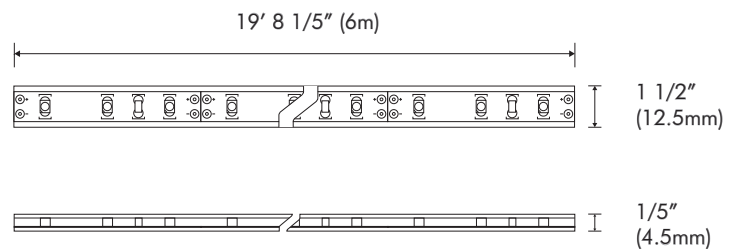
R VALUES

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

PHYSICAL

Applications	Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 19' 8 1/5" (6m) Width 1/2" (12.5mm) Height 1/5" (4.5mm)
LED Spacing	3/5" (14mm)
Cutting Distance	2" (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 ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS



MODA TECHNOLOGY

moda**HIGH CRI**
moda**PHOSPHOR**[™]

STANDARDS & CERTIFICATIONS



LM
79

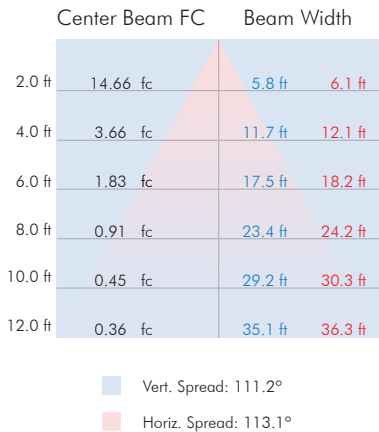
LM
80

5
YEAR
WARRANTY

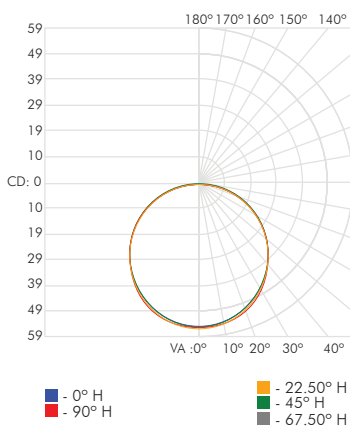
Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

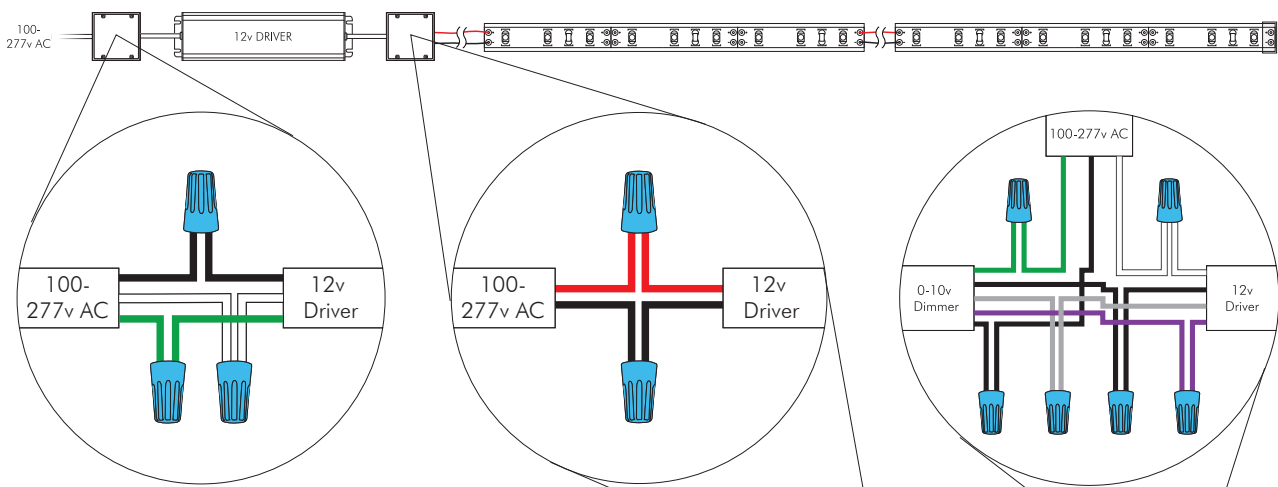
Zone	Lumens	% Lamp	% Fixt
0-30	40.39	N.A.	25.50%
0-40	69.07	N.A.	43.60%
0-60	122.14	N.A.	77.1%
60-90	30.09	N.A.	19.00%
0-90	15208.32	N.A.	96.00%
90-180	6.33	N.A.	4.00%
0-180	158.42	N.A.	100.00%

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 Non-dimming



UL / cUL ELV Dimming



WIRING LEGEND

Power (100-277v AC)	UL/cUL	12v Driver
Power Positive	Power Positive	Power Positive
Power Negative	Power Negative	Power Negative
Ground		Ground
		Data Positive
		Data Negative

MAX CONTINUOUS RUN

60w Driver	39ft
100w Driver	64ft
132w Driver	85ft
150w Driver	96ft

ACCESSORIES



MRTA61 MOUNTING CLIPS

Screws into Surface to Hold AQUAFLEX

Two Screws
1/2" (13mm)

L: 1 1/5" (30mm)
W: 1/5" (6mm)
H: 1/5" (5mm)



MRTA63 END CAP

Terminates AQUAFLEX to
Protect FPCB From Dust or Water

L: 3/5" (15mm)
W: 1/5" (5mm)
H: 1/5" (5mm)



MRTA62 3M Marine Grade Super Silicone Sealant

Applied Between AQUAFLEX, Connectors or
End Caps to Seal From Exposure to Moisture

Super Silicone Sealant
3oz



MRTA62-XL 3M Marine Grade Silicone Super Silicone Sealant

Applied Between AQUAFLEX, Connectors or
End Caps to Seal From Exposure to Moisture

Super Silicone Sealant
1/10 gal

12v 0-10v Dimming Drivers



MP05 347v AC

60w - IP66

L: 9 2/5" (240mm)
W: 1 7/10" (43mm)
H: 1 3/10" (32mm)



MP18N 100 - 277v AC

60w - IP66

L: 9 2/5" (240mm)
W: 1 7/10" (43mm)
H: 1 3/10" (32mm)



MP86 100 - 277v AC

100w - IP66

L: 9 1/2" (241mm)
W: 2 3/10" (58mm)
H: 1 1/2" (37mm)



MP88 100 - 277v

150w - IP66

L: 9 1/2" (241mm)
W: 2 3/5" (67mm)
H: 1 3/5" (40.5mm)

12v Non Dimming Drivers



MP16 100 - 277v AC

132w - IP67

L: 8 7/10" (222mm)
W: 2 7/10" (68mm)
H: 1 1/2" (39mm)

STANDARDS & CERTIFICATIONS

Certification	Tested to UL & CSA by ETL For Use in USA & CANADA, Complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.
Class	3
Environment	Wet Location - IP67
Warranty	5 Year Limited Warranty

ORDERING

AQF-EXT-S-S1-W-4H-19