

## Super High Output Linear Flex.

X-FLEX HCRI uses the latest Samsung SMD LED Package that delivers an incredible amount of illumination while remaining cost efficient. With its low profile, cutting distances of every 1/2" and a high copper content FPCB for stable thermal management, X-FLEX HCRI is a high performance LED package. This product must be used with an extrusion to achieve L70. See MODA Metal ® for extrusion options.

## OUTPUT

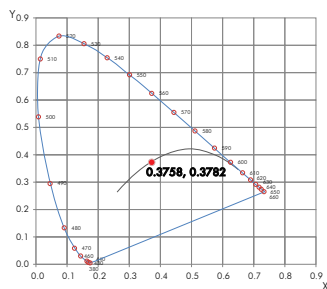
Delivered Lumens	491.64 lm / ft
CCT & SDMC	3500K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3758 y: 0.3782 u: 0.2214 v: 0.5014
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/W)	64.68
CRI	93
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

Input Voltage	12V DC
Power Consumption	7.6W per ft (0.06A)*
Power Factor	≤ 1
Control	100-277V 0-10V & Magnetic Low Voltage

\*Varies based on run and driver

## CIE 1931 CHROMATICITY DIAGRAM



## R VALUES

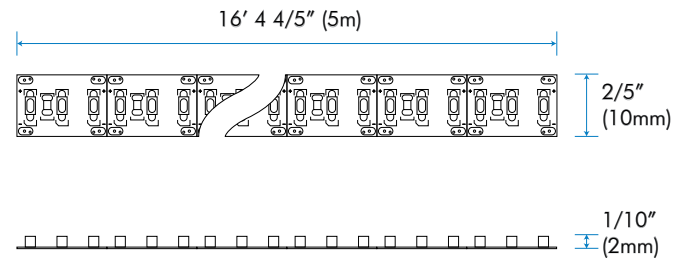
R1	R2	R3	R4	R5
93	93	89	93	92
R6	R7	R8	R9	R10
93	92	92	91	89
R11	R12	R13	R14	R15
93	82	93	92	92



## PHYSICAL

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 13/16" (5m) Width 7/16" (10mm) Height 1/8" (2mm)
LED Spacing	1/8" (3.5mm)
Cutting Distance	1/2" (15mm)
Weight	6.4oz (181.4g) 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



RoHS ✓

LM  
79

LM  
80

5  
YEAR  
WARRANTY

Project Name:

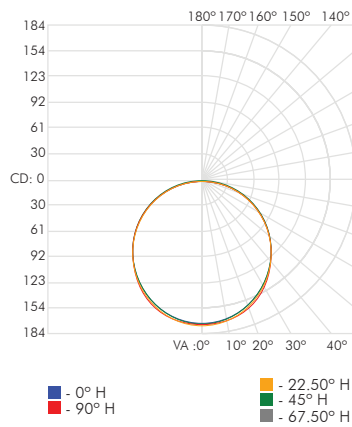
Notes:

## ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	45.50 fc	6.4 ft 6.7 ft
4.0 ft	11.30 fc	12.7 ft 13.3 ft
6.0 ft	5.60 fc	19.1 ft 20.0 ft
8.0 ft	2.80 fc	25.4 ft 26.6 ft
10.0 ft	1.40 fc	31.8 ft 33.3 ft
12.0 ft	1.10 fc	38.2 ft 40.0 ft

■ Vert. Spread: 115.7°  
■ Horiz. Spread: 118.0°

## POLAR CANDELA DISTRIBUTION



## ZONAL LUMEN SUMMARY

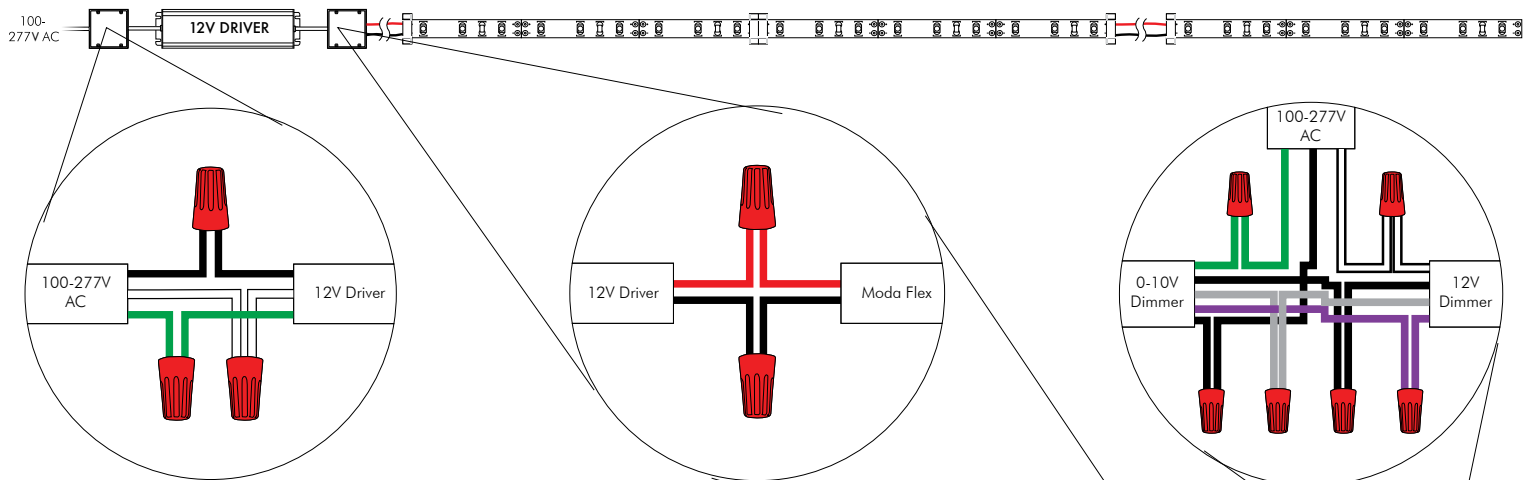
Zone	Lumens	% Lamp	% Fixt
0-30	128.90	N.A.	26.20%
0-40	211.80	N.A.	43.10%
0-60	379.00	N.A.	77.10%
60-90	107.60	N.A.	21.90%
0-90	486.70	N.A.	99.00%
90-180	4.90	N.A.	1.00%
0-180	491.60	N.A.	100.00%

## LUMENS PER ZONE

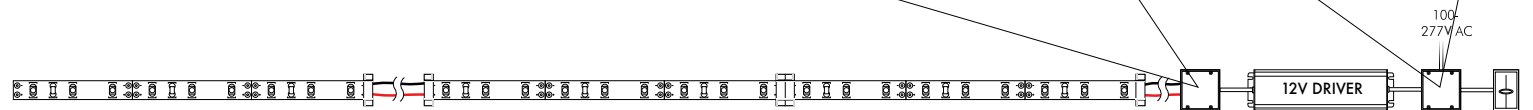
Zone	Lumens	% Lamp	% Fixt
0-10	15.70	N.A.	3.20%
10-20	44.70	N.A.	9.1%
20-30	68.30	N.A.	13.90%
30-40	83.00	N.A.	16.90%
40-50	87.50	N.A.	17.80%
50-60	79.60	N.A.	16.20%
60-70	61.40	N.A.	12.50%
70-80	35.80	N.A.	7.30%
80-90	10.30	N.A.	2.10%
90-100	0.00	N.A.	0.00%

## WIRING

### UL / cUL Non-dimming



### UL / cUL ELV Dimming



## WIRING LEGEND

Power (100-277V AC)
<span style="color: black;">—</span> Power Positive
<span style="color: white;">—</span> Power Negative
<span style="color: green;">—</span> Ground

UL/cUL
<span style="color: red;">—</span> Power Positive
<span style="color: black;">—</span> Power Negative

12V Driver
<span style="color: black;">—</span> Power Positive
<span style="color: white;">—</span> Power Negative
<span style="color: green;">—</span> Ground
<span style="color: purple;">—</span> Data Positive
<span style="color: grey;">—</span> Data Negative

## MAX CONTINUOUS RUN

60W Driver	7ft
100W Driver	12ft
132W Driver	16ft
150W Driver	18ft

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	Dry Location - IP20
Warranty	5 Year Limited Warranty

ORDERING

XFX-INT-S-S1-W-35-16