

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.

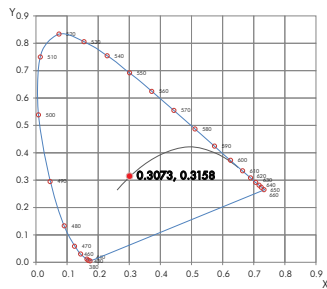
OUTPUT

Delivered Lumens	503.67 lm / ft
CCT & SDMC	4000K - 2 Step MacAdam Ellipse
Chromaticity Coordinates	x: 0.3073 y: 0.3158 u: 0.1990 v: 0.4601
Color Bin Tolerance	+ 3% / -3%
Efficacy (lm/W)	66.27
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
* This product must be used with an extrusion to achieve L70	

ELECTRICAL

Input Voltage	12V DC
Power Consumption	7.6W per ft (0.06A)
Power Factor	≤ 1
Control	0-10V, ELV (By others), & MLV (By others)

CIE 1931 CHROMATICITY DIAGRAM



R VALUES

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

Project Name:

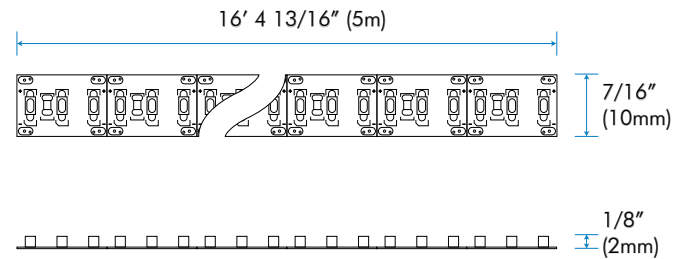
Notes:



PHYSICAL

Applications	IP20 Dry Location, 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	MODA Xtrusion®
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**PHOSPHOR**™

moda**ZERO BIN**™

moda**HIGH CRI**™

STANDARDS & CERTIFICATIONS



RoHS ✓

LM
79

LM
80

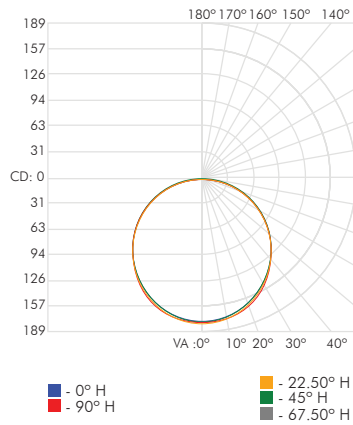
5
YEAR
WARRANTY

ILLUMINANCE AT A DISTANCE

	Center Beam FC	Beam Width
2.0 ft	46.60 fc	6.5 ft 7.0 ft
4.0 ft	11.60 fc	13.7 ft 13.9 ft
6.0 ft	5.80 fc	19.6 ft 20.9 ft
8.0 ft	2.90 fc	26.2 ft 27.8 ft
10.0 ft	1.40 fc	32.7 ft 34.8 ft
12.0 ft	1.10 fc	39.3 ft 41.7 ft

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

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

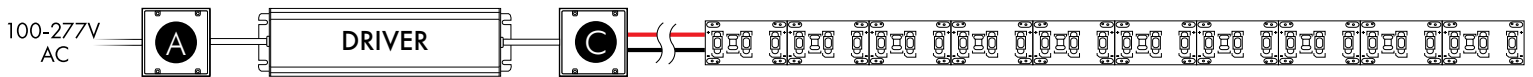
Zone	Lumens	% Lamp	% Fixt
0-30	132.00	N.A.	26.20%
0-40	217.00	N.A.	43.10%
0-60	388.30	N.A.	77.10%
60-90	110.30	N.A.	21.90%
0-90	498.60	N.A.	99.00%
90-180	5.00	N.A.	1.00%
0-180	503.60	N.A.	100.00%

LUMENS PER ZONE

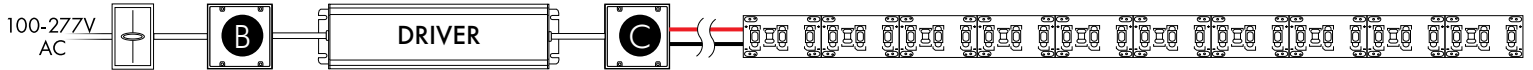
Zone	Lumens	% Lamp	% Fixt
0-10	16.10	N.A.	3.20%
10-20	45.80	N.A.	9.1%
20-30	70.00	N.A.	13.90%
30-40	85.10	N.A.	16.90%
40-50	89.60	N.A.	17.80%
50-60	81.50	N.A.	16.20%
60-70	63.00	N.A.	12.50%
70-80	36.70	N.A.	7.30%
80-90	10.50	N.A.	2.10%
90-100	0.00	N.A.	0.00%

WIRING

UL / cUL Non-dimming



UL / cUL ELV Dimming



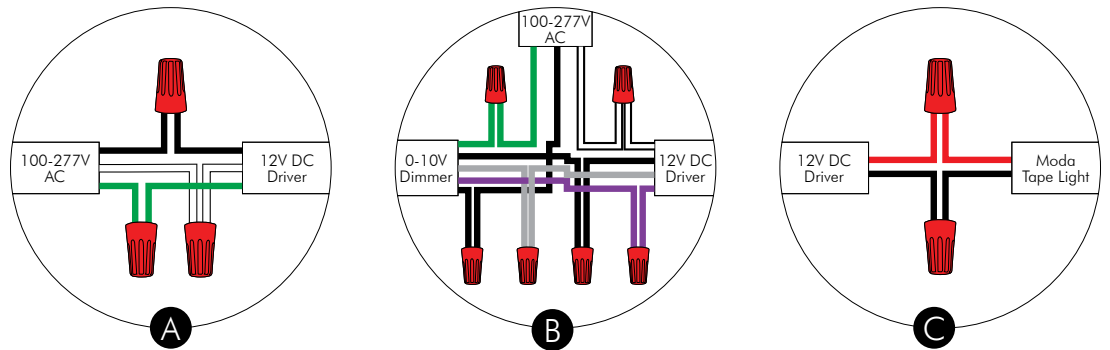
WIRING LEGEND

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

60W Driver	7ft
100W Driver	11ft
132W Driver	15ft
150W Driver	17ft

FIXTURE

SKU

X-Flex - IP20 Dry Location SO S1White PCB 12V DC Reel 4000K HCRI 16.4ft

XFX-INT-S-S1-W-4H-16

POWER

SKU

12V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - 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