

## FLATFLEX:

MODA's new ultra low profile flexible lighting solution is just 1/5" (6mm) thick and has all of its components cleverly hidden from view so the flex looks like a lighting fixture. Free from any form of shape memory, easily bends along its line of light giving the specifier a multitude of design options. Dimming is easy with MODA Dimmable Drivers - choice of MLV or 0-10v dimming. Full line of accessories available, MODA Xtrusion®, clips, simple leader and jumper cables. Clean lines with options of White or Clear finish options. Supplied in contractor ready 150ft (45.7m) reels. UL listed for use in USA & Canada.

## OUTPUT

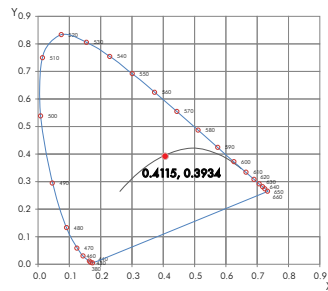
Delivered Lumens	44.38 lm / ft
CCT & SDMC	N/A
Chromaticity Coordinates	x: 0.1305 y: 0.0687 u: 0.1465 v: 0.1735
Color Bin Tolerance	N/A
Efficacy (lm/w)	28.09
CRI	N/A
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

## ELECTRICAL

Input Voltage	24V DC
Power Consumption	1.58W per ft (0.14A)*
Power Factor	≤ 1
Control	100-277V 0-10V Magnetic Low Voltage

\*Varies based on run and driver

## CIE 1931 CHROMATICITY DIAGRAM



## LUMINANCE DATA (cd/sq. m)

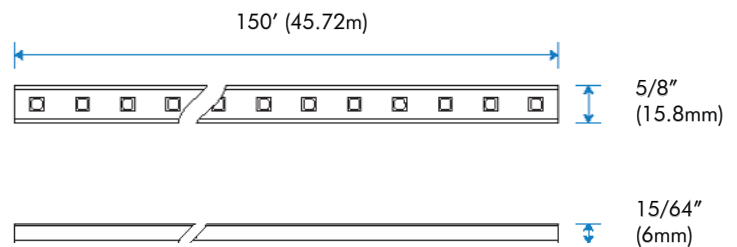
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	124425	126934	128063
55	119547	122563	123626
65	110282	112433	113798
75	94450	96421	97149
85	91586	97692	99600



## PHYSICAL

Applications	Cove, Kitchen Cabinet, Furniture, Signage
Dimensions	Length 150' Drum (45.72m) Width 5/8" (15.8mm) Height 15/64" (6mm)
LED Spacing	7/10" (17mm)
Beam Distribution	110°
Cutting Distance	4" (100mm)
Weight	14.3oz (6.48kg) Per Reel
Construction	Tough Polyepoxide UV Protected Body
Thermal Management	N/A
Optics	N/A
Fixture Connections	Push To Fit Connectors
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

## DIMENSIONS



## MODA TECHNOLOGY

modaBIN™

## STANDARDS & CERTIFICATIONS



LM  
79

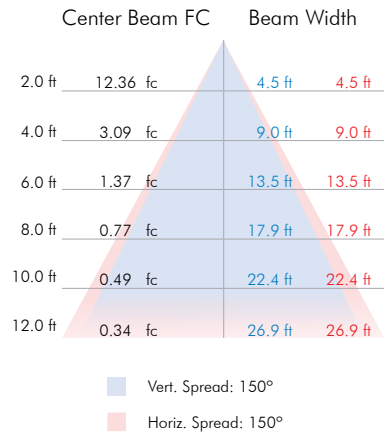
LM  
80

5  
YEAR  
WARRANTY

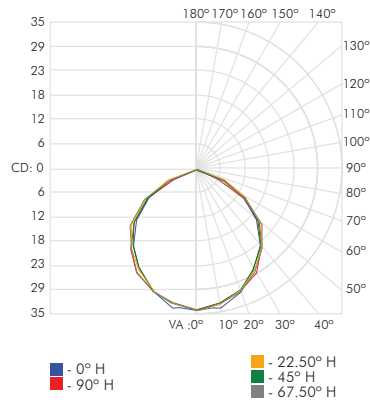
Project Name:

Notes:

## ILLUMINANCE AT A DISTANCE



## POLAR CANDELA DISTRIBUTION



## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	12.65	N.A.	28.50%
0-40	20.68	N.A.	46.60%
0-60	36.57	N.A.	82.40%
60-90	7.54	N.A.	17.00%
0-90	44.11	N.A.	99.40%
90-180	0.27	N.A.	0.60%
0-180	44.38	N.A.	100.00%

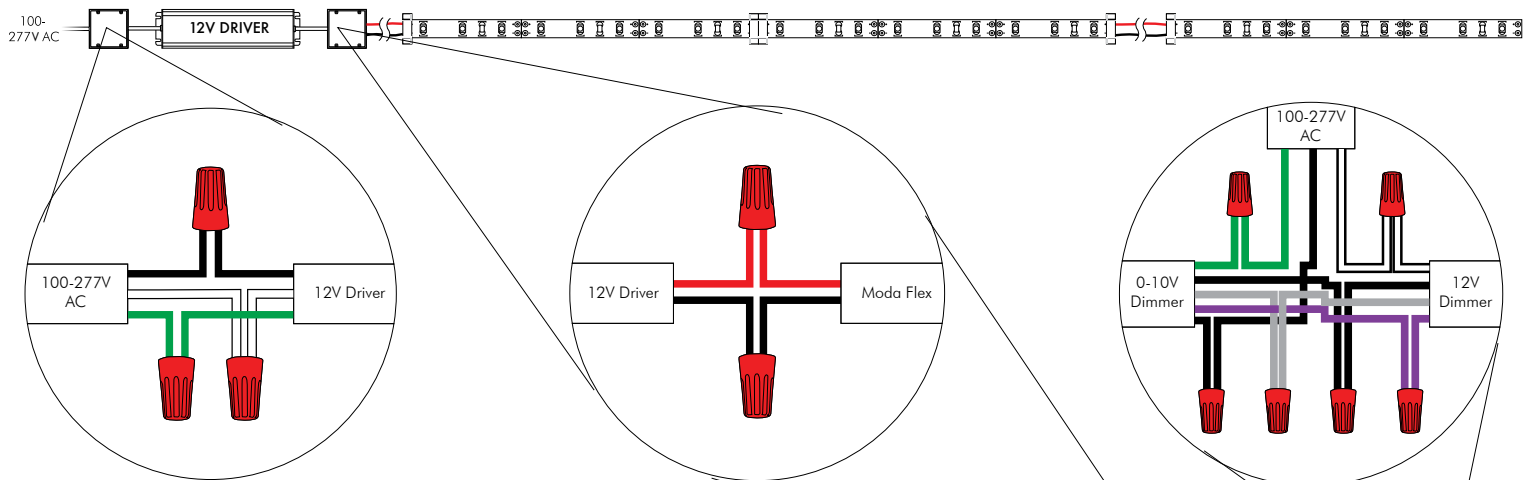
## LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	1.55	N.A.	3.50%
10-20	4.44	N.A.	10.00%
20-30	6.66	N.A.	15.00%
30-40	8.08	N.A.	18.20%
40-50	8.43	N.A.	19.00%
50-60	7.41	N.A.	16.70%
60-70	4.84	N.A.	10.90%
70-80	2.00	N.A.	4.50%
80-90	0.67	N.A.	1.50%
90-100	0.27	N.A.	0.60%

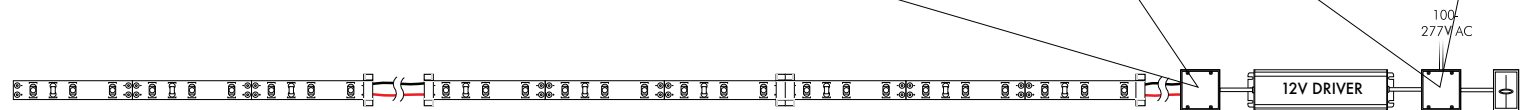
## WIRING

### 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 RUN

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

## ACCESSORIES



**MRTA25**  
**10' Leader Cable**

Connects STARFLEX to Power Supply

L: 1/2" (13mm)  
W: 1/4" (6mm)  
H: 1/8" (2mm)



**MRTA26**  
**In-Line Connector**

Connects Two STARFLEX Together

L: 1/2" (13mm)  
W: 7/16" (10mm)  
H: 1/8" (2mm)



**MRTA27**  
**4" EZ - Connector for STARFLEX**

Connects Two STARFLEX and  
Allows for Flexible Corner Bends

L: 1/2" (13mm)  
W: 1/4" (6mm)  
H: 1/8" (2mm)



**MODA SHIELD**

Comes in Either Clear (C) or White (W) Finish

4' Section  
Interior Channel: 5/16" (8mm)

## 12V 0-10V Dimming Drivers



**MP05**  
**347V AC**

60W - IP66

L: 9 7/16" (240mm)  
W: 1 3/4" (43mm)  
H: 1 5/16" (32mm)



**MP18N**  
**100 - 277V AC**

60W - IP66

L: 9 7/16" (240mm)  
W: 1 3/4" (43mm)  
H: 1 5/16" (32mm)



**MP86**  
**100 - 277V AC**

100W - IP66

L: 9 1/2" (241mm)  
W: 2 5/16" (58mm)  
H: 1 1/2" (37mm)



**MP88**  
**100 - 277V**

150W - IP66

L: 9 1/2" (241mm)  
W: 2 5/8" (67mm)  
H: 1 5/8" (40.5mm)

## 12V Non Dimming Drivers



**MP16**  
**100 - 277V AC**

132W - IP67

L: 8 3/4" (222mm)  
W: 2 3/4" (68mm)  
H: 1 1/2" (39mm)

## STANDARDS & CERTIFICATIONS

<b>Certification</b>	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.
<b>Class</b>	3
<b>Environment</b>	Dry Location - IP20
<b>Warranty</b>	5 Year Limited Warranty

## ORDERING

**FF-B-B-150FT**  
**FF-C-B-150FT**  
**FF-W-B-150FT**