

### Standard Output Dimmable LED Linear Flex System.

SUPERFLEX HCRI provides high quality and consistent light in a low profile package. Custom lengths are made simple with designated cutting points. A self-adhesive 3M backing and push to fit connectors are designed for a quick and simple installation. SUPERFLEX HCRI is the perfect solution for interior applications requiring high light output while maintaining a low profile. Applications include cove, display, architectural accents, cabinet, and back lighting. See MODA Metal <sup>®</sup> for extrusion options.

## OUTPUT

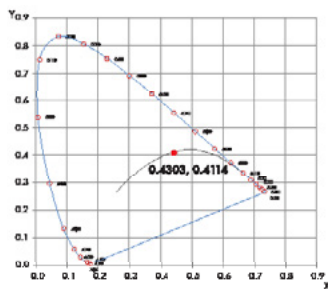
|                          |  |
|--------------------------|--|
| Delivered Lumens         | 380.57 lm / ft   |
| CCT & SDMC               | 3000K - 2 Step MacAdam Ellipse   |
| Chromaticity Coordinates | x: 0.4303 y: 0.4114 u: 0.2432 v: 0.5232  |
| Color Bin Tolerance      | + 3% / -3%   |
| Efficacy (lm/w)          | 65.61  |
| CRI                      | 92   |
| Lumen Maintenance        | 70,000 Hours L70 @ 25°C<br>90,000 Hours L50 @ 25°C<br>50,000 Hours L70 @ 50°C<br>70,000 Hours L50 @ 50°C |
| Testing Data             | Light Data LM-79-08 & LM-80-08   |

## ELECTRICAL

|                   |                                       |
|-------------------|---------------------------------------|
| Input Voltage     | 12V DC                                |
| Power Consumption | 5.8W per ft (0.04A)*                  |
| Power Factor      | ≤ 1                                   |
| Dimming           | 100-277V 0-10V & Magnetic Low Voltage |
| Emergency         | N/A                                   |

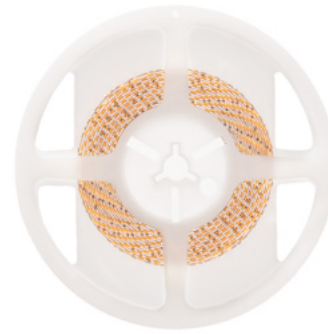
\*Varies based on run and driver

## CIE 1931 CHROMATICITY DIAGRAM



## R VALUES

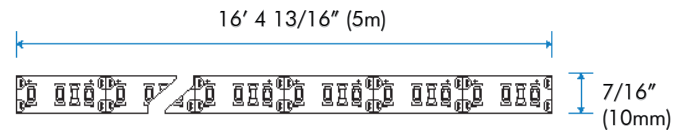
| R1  | R2  | R3  | R4  | R5  |
|-----|-----|-----|-----|-----|
| 92  | 92  | 88  | 92  | 91  |
| R6  | R7  | R8  | R9  | R10 |
| 92  | 91  | 90  | 90  | 88  |
| R11 | R12 | R13 | R14 | R15 |
| 93  | 81  | 92  | 91  | 91  |



## PHYSICAL

|                       |  |
|-----------------------|--|
| Applications          | Cabinet, Cove, Display, Niches, Perimeter Lighting   |
| Dimensions            | Length 16' 4 13/16" (5m)<br>Width 7/16" (10mm)<br>Height 1/8" (2mm)                          |
| LED Spacing           | 1/4" (6mm)   |
| Cutting Distance      | 1" (25mm)  |
| 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**<sup>™</sup>

## STANDARDS & CERTIFICATIONS



RoHS ☒

LM  
79

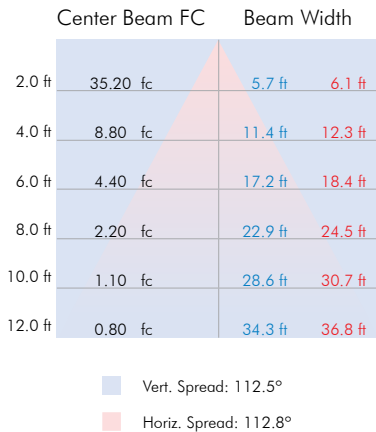
LM  
80

5  
YEAR  
WARRANTY

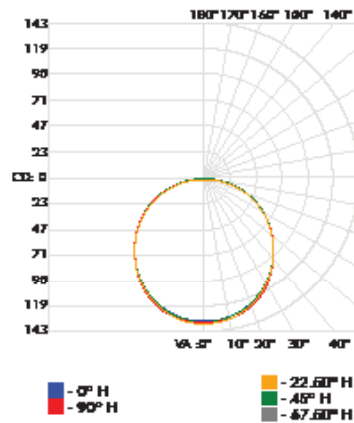
Project Name:

Notes:

## ILLUMINANCE AT A DISTANCE



## POLAR CANDELA DISTRIBUTION



## ZONAL LUMEN SUMMARY

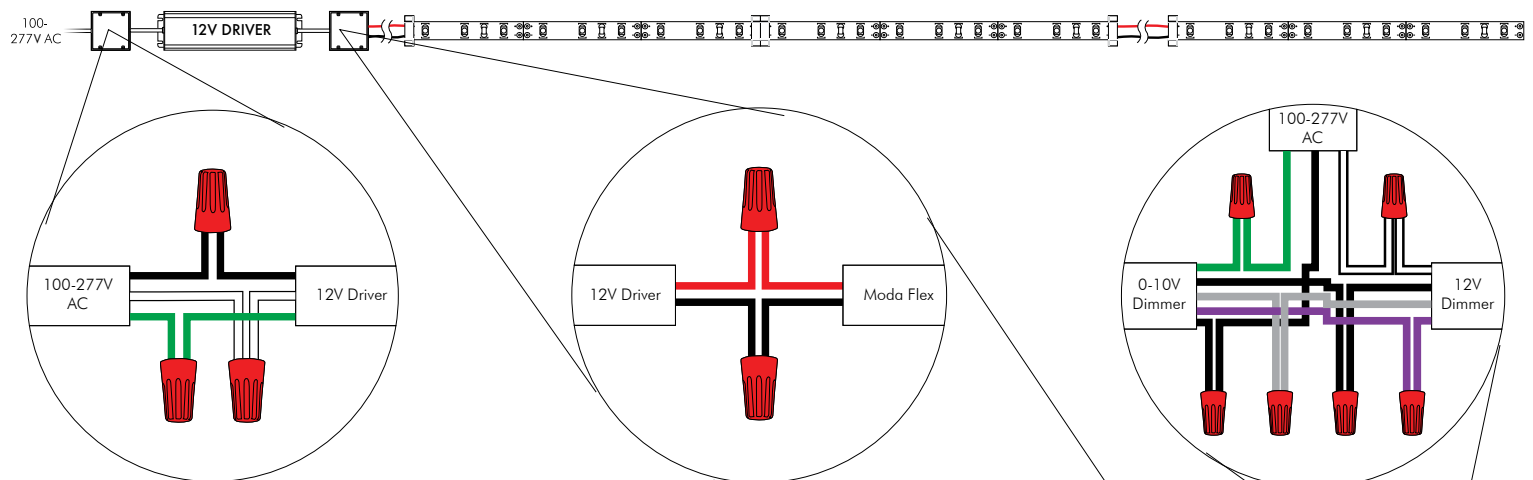
| Zone   | Lumens | % Lamp | % Fixt  |
|--------|--------|--------|---------|
| 0-30   | 102.00 | N.A.   | 26.80%  |
| 0-40   | 167.45 | N.A.   | 44.00%  |
| 0-60   | 297.22 | N.A.   | 78.10%  |
| 60-90  | 74.60  | N.A.   | 19.60%  |
| 0-90   | 380.57 | N.A.   | 100.00% |
| 90-180 | 0.00   | N.A.   | 0.00%   |
| 0-180  | 380.57 | N.A.   | 100.00% |

## LUMENS PER ZONE

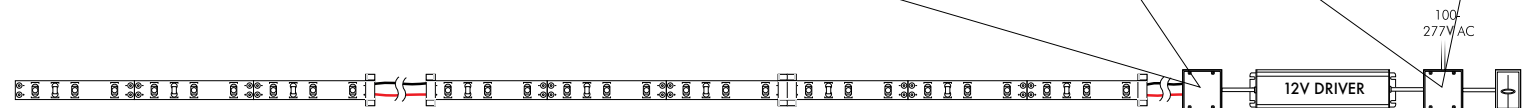
| Zone   | Lumens | % Lamp | % Fixt |
|--------|--------|--------|--------|
| 0-10   | 12.36  | N.A.   | 3.25%  |
| 10-20  | 35.50  | N.A.   | 9.33%  |
| 20-30  | 54.50  | N.A.   | 14.20% |
| 30-40  | 65.53  | N.A.   | 17.22% |
| 40-50  | 68.27  | N.A.   | 17.94% |
| 50-60  | 61.53  | N.A.   | 16.17% |
| 60-70  | 47.30  | N.A.   | 12.43% |
| 70-80  | 27.43  | N.A.   | 7.21%  |
| 80-90  | 8.60   | N.A.   | 2.26%  |
| 90-100 | 0.00   | N.A.   | 0.00%  |

## 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  | 9ft  |
| 100w Driver | 16ft |
| 132w Driver | 20ft |
| 150w Driver | 24ft |

## ACCESSORIES



**MRTA35**  
**10' LEADER CABLE**

Connects SUPERFLEX HCRI to Power Supply

L: 3/5" (15mm)  
W: 1/5" (6mm)  
H: 1/10" (10mm)



**MRTA34**  
**EZ - CONNECTOR**

Connects Two SUPERFLEX HCRI Together

L: 3/5" (15mm)  
W: 2/5" (10mm)  
H: 1/10" (2mm)



**MRTA38**  
**4" EZ - CONNECTOR**

Connects Two SUPERFLEX HCRI Together and  
Allows for Flexible Corner Bends

L: 1/2" (13mm)  
W: 1/5" (6mm)  
H: 1/10" (2mm)

## 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.<br>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

**SPF-INT-S-S1-W-3H-16**