

Dimmable LED Linear Flex System
LINEARFLEX HCRI is a high quality polyepoxide flexible SSL solution. Integral IC's regulate power to each LED creating constant brightness and uniform life. Field cuttable at designated cutting points. Easy to install push to fit solderless range of wet location accessories completes a professional project. UV Protected. This product is sold by the meter, please consult factory. See MODA Metal [®] for extrusion options.

OUTPUT

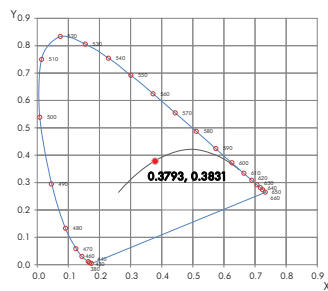
| | |
|--------------------------|--|
| Delivered Lumens | 90.28 lm / ft |
| CCT & SDMC | 3500K - 2 Step MacAdam Ellipse |
| Chromaticity Coordinates | x: 0.3793 y: 0.3831 u: 0.2219 v: 0.5042 |
| Color Bin Tolerance | + 3% / -3% |
| Efficacy (lm/w) | 64.48 |
| CRI | 94 |
| Lumen Maintenance | 70,000 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 | 24v 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 length of run and driver

CIE 1931 CHROMATICITY DIAGRAM



R VALUES

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

Project Name:

Notes:

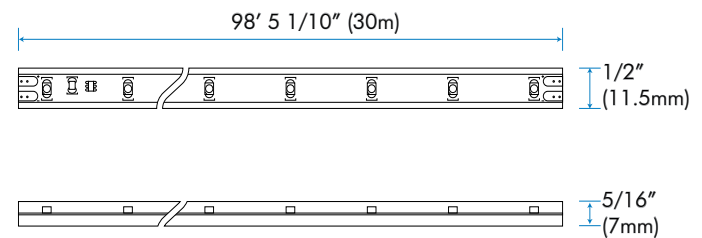
LINEARFLEX[®] EXTERIOR 3500K HCRI



PHYSICAL

| | |
|-----------------------|---|
| Applications | Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting |
| Dimensions | Length 98' 5 1/10" (30m) Width 1/2" (11.5mm) Height 3/10" (7mm) |
| LED Spacing | 9/10" (22mm) |
| Cutting Distance | 6 1/2" (165mm) |
| Weight | 7.3lbs (3.31Kg) 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 ~ 113°F (-20°C ~ 45°C) |
| Storage Temperature | -4°F ~ 122°F (-20°C ~ 50°C) |
| Humidity | 0-95% Non Condensing |

DIMENSIONS



MODA TECHNOLOGY

moda**HIGH CRI**
moda**PHOSPHOR**[™]

STANDARDS & CERTIFICATIONS



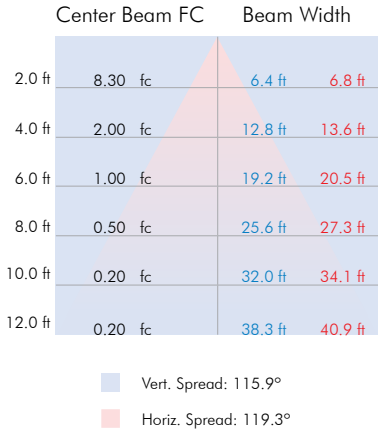
RoHS ☒

LM
79

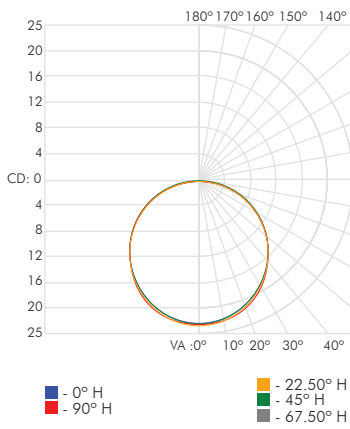
LM
80

5
YEAR
WARRANTY

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

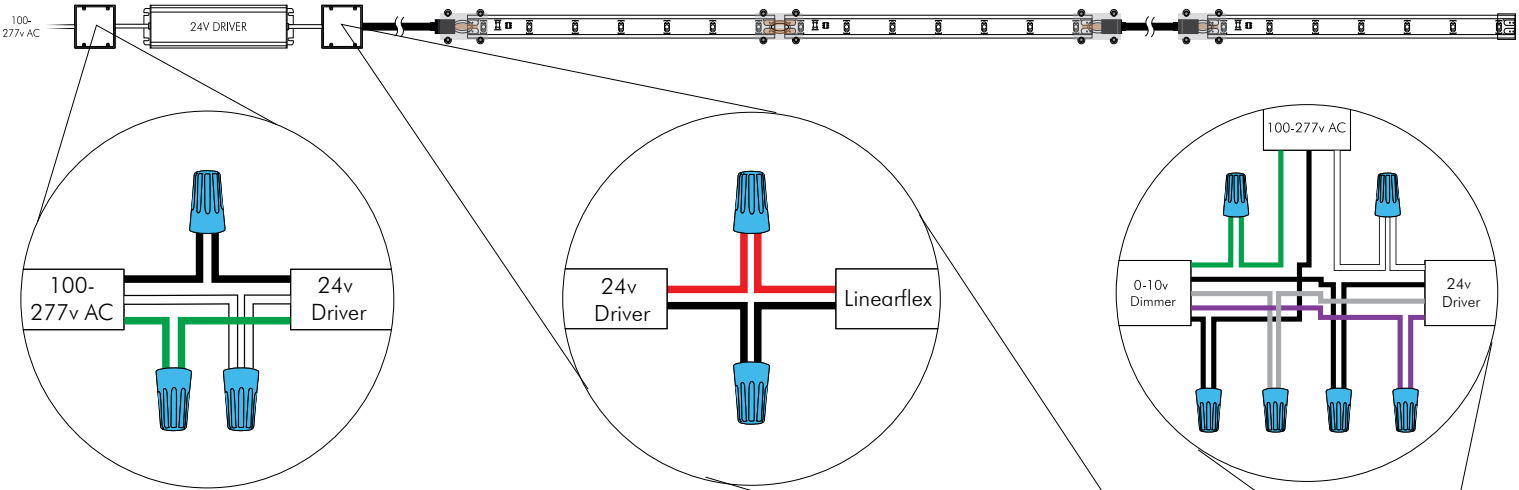
| Zone | Lumens | % Lamp | % Fixt |
|--------|--------|--------|---------|
| 0-30 | 25.00 | N.A. | 27.80% |
| 0-40 | 41.00 | N.A. | 45.50% |
| 0-60 | 70.00 | N.A. | 77.6% |
| 60-90 | 15.00 | N.A. | 16.70% |
| 0-90 | 85.10 | N.A. | 94.30% |
| 90-180 | 5.10 | N.A. | 5.70% |
| 0-180 | 90.28 | N.A. | 100.00% |

LUMENS PER ZONE

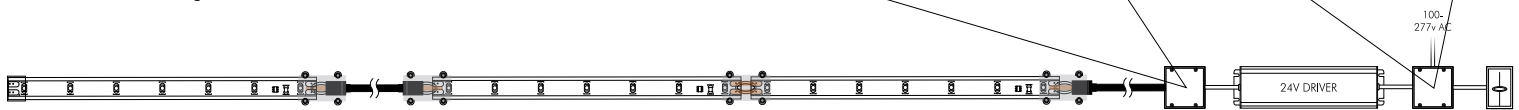
| Zone | Lumens | % Lamp | % Fixt |
|--------|--------|--------|--------|
| 0-10 | 3.00 | N.A. | 3.40% |
| 10-20 | 8.70 | N.A. | 9.70% |
| 20-30 | 13.20 | N.A. | 14.70% |
| 30-40 | 16.00 | N.A. | 17.80% |
| 40-50 | 16.00 | N.A. | 17.80% |
| 50-60 | 13.00 | N.A. | 14.30% |
| 60-70 | 7.80 | N.A. | 8.70% |
| 70-80 | 4.60 | N.A. | 5.10% |
| 80-90 | 2.60 | N.A. | 2.90% |
| 90-100 | 1.40 | N.A. | 1.60% |

WIRING

UL / cUL Non-dimming



UL / cUL ELV Dimming



WIRING LEGEND

| Power (100-277V AC) | 24V Driver | 0-10V Dimmer |
|---------------------|----------------|----------------|
| 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 |
| 150W Driver | 96ft |

ACCESSORIES



MRTA08
5' Leader Cable

Connects LINEARFLEX to Power Supply

| | |
|-----------------|---------------------|
| Cable Dimension | Connector Dimension |
| L: 5' (1.5m) | L: 1 7/10" (44mm) |
| | W: 1 1/5" (30mm) |
| | H: 7/10" (19mm) |



MRTA06
InLine Connector

Connects Two LINEARFLEX Together

L: 1 7/10" (44mm)
W: 1 1/5" (30mm)
H: 7/10" (19mm)



MRTA62
3M Marine Grade
Super Silicone Sealant

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

Super Silicone Sealant
1/10 gal



MRTA07
1' Jumper Cable

Connects Two LINEARFLEX and Allows for Flexible Corner

L: 1 7/10" (44mm)
W: 1 1/5" (30mm)
H: 7/10" (19mm)



MRTA04
Mounting Clip

Screws Into Surface to Hold LINEARFLEX

| | |
|--------------|-------------------|
| Two Screws | L: 1 1/10" (29mm) |
| 7/10" (17mm) | W: 3/10" (8mm) |
| | H: 7/10" (18mm) |



MRTA02
End Cap

Terminates LINEARFLEX to Protect FPCB From Dust or Water

L: 3/5" (16mm)
W: 2/5" (10mm)
H: 7/10" (18mm)

24v 0-10v Dimming Drivers



MP06
347v AC

60w - IP66

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



MP19N
100 - 277v AC

60w - IP66

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



MP87
100 - 277v AC

100w - IP66

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



MP89
100 - 277v

150w - IP66

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

24v Non Dimming Drivers



MP17
100-277v AC

150w - 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

LNF-EXT-S-S1-W-35H-3