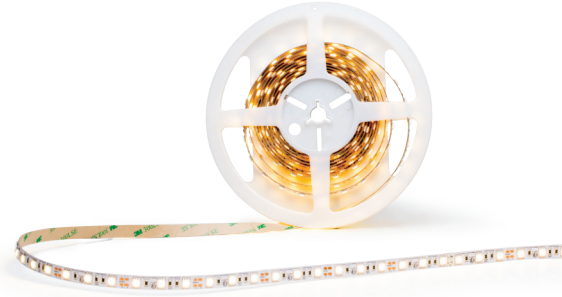


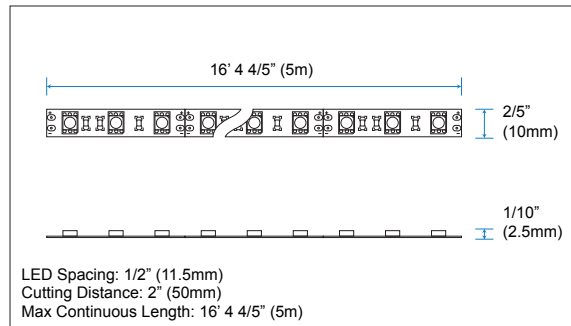
## SPECIFICATION

### High Output Dimmable LED Linear Flex System:

Built from high quality 5050 SMD LED's with a unique high copper content FPCB design that allows for stable and consistent thermal management. POWERFLEX EXTREME is field cuttable every 2" with easy installation using 3m self adhesive backing and multiple accessories for field customizing. Fully dimmable through use of MODA LIGHT drivers. See MODA Metal® for extrusion options.



### Dimensions:

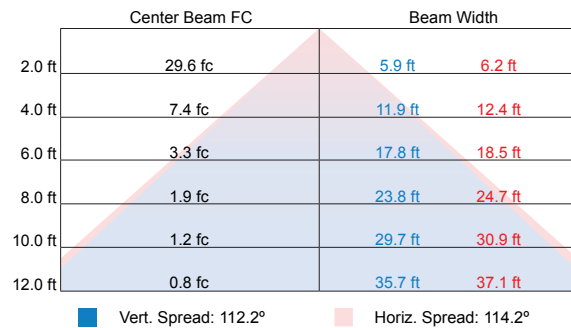


### Output:

Delivered Lumens	320.24 lm / ft
CCT	4000k
Chromaticity Ordinates	x: 0.3759 y: 0.3864 u: 0.2184 v: 0.5051
Color Bin Tolerance	+ 3% / - 3%
Efficacy (lm/w)	82.75
CRI	84
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

### Illuminance at a Distance: Data Shown for 120°

(For lux multiply fc by 10.7)

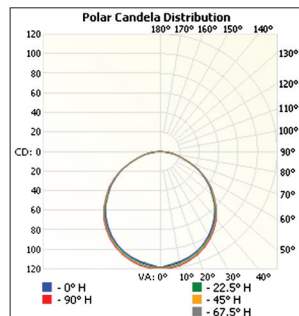


### Electrical:

Input Voltage	12v DC
Power Consumption	3.87w / ft (0.32A) - Varies based on length of run & driver
Power Factor	≤ 1
Dimming	100-277v 0-10v & Magnetic Low Voltage
Emergency	N/A

### Polar Candela Distribution:

Data Shown for 120°



### Lumens per Zone:

Zone	Lumens	% Total
0-10	10.41	3.25%
10-20	29.91	9.34%
20-30	45.54	14.22%
30-40	55.31	17.27%
40-50	57.58	17.98%
50-60	52.14	16.28%
60-70	39.23	12.25%
70-80	22.48	7.02%
80-90	7.65	2.39%
90-100	0.00	0.00%

### Physical:

Applications	Cabinet, Cove, Display, Niches, Perimeter Lighting
Dimensions	Length 16' 4 4/5" (5m) Width 2/5" (10mm) Height 1/10" (2.5mm)
Weight	6.4 oz (181g) Per Reel
Construction	Constant Voltage Design Protects LEDs And Prolongs Life. White FPCB
Thermal Management	N/A
Optics	N/A
Fixture Connections	Push To Fit Connectors
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

<b>Project Name:</b>			
<b>Notes:</b>			

# SPECIFICATION

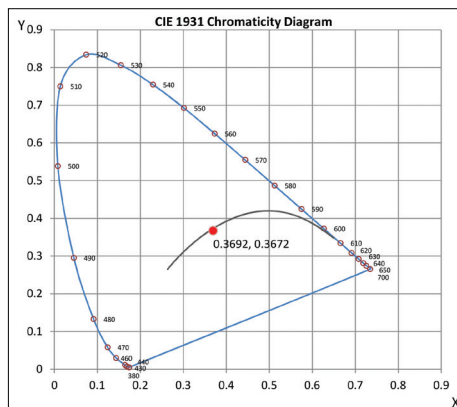
## Zonal Lumen Summary:

Zone	Lumens	% Lamp	% Fixt
0-30	85.82	N.A.	26.80%
0-40	141.23	N.A.	44.10%
0-60	250.75	N.A.	78.30%
60-90	61.81	N.A.	19.30%
0-90	320.24	N.A.	100%
90-180	0.00	N.A.	0.00%
0-180	320.24	N.A.	100%

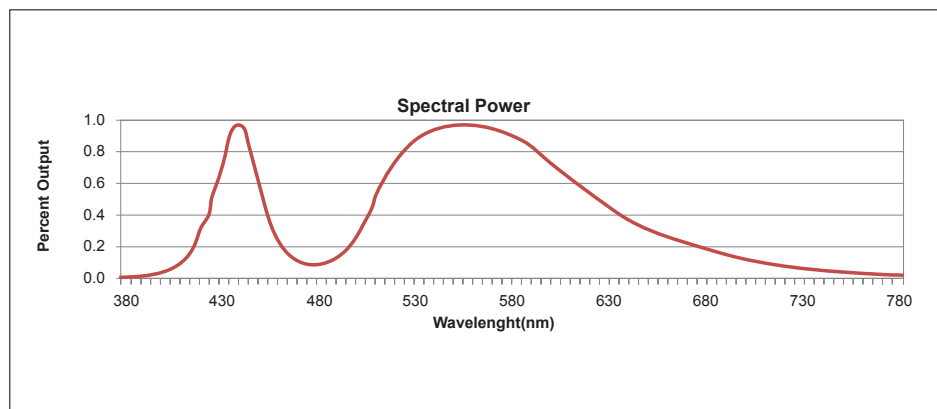
## Luminance Data (cd/sq.m):

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

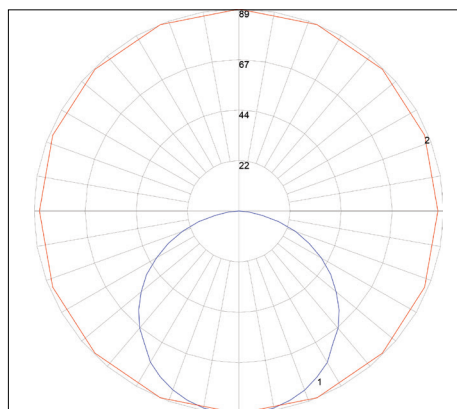
## CIE 1931 Chromaticity Diagram:






## Spectral Power:



## Polar Graph: Data Shown for 120°



## Accessories:

		
<b>MRTA35</b> 10' Leader Cable	<b>MRTA34</b> EZ - Connector	<b>MRTA38</b> 4' EZ - Connector for POWERFLEX-EXTREME
Connects POWERFLEX-EXTREME to Power Supply	Connects Two POWERFLEX-EXTREME Together	Connects Two POWERFLEX-EXTREME And Allows for Flexible Corner Bends
Connector Dim. L: 1/2" (13mm) W: 1/5" (6mm) H: 1/10" (2mm)	L: 1/2" (13mm) W: 2/5" (10mm) H: 1/10" (2mm)	Connector Dim. L: 1/2" (13mm) W: 1/5" (6mm) H: 1/10" (2mm)


## Standards and 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	Class 3
Environment	Dry Location - IP20
Warranty	5 Year Limited Warranty

## Ordering:

SKU:	POWERFLEX-EXTREME-4000K
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### SPECIFICATION

Non Dimming		Voltage Range	Wattage	IP Rating	Dimension
MP16		100-277v AC	132w	IP67	8 7/10" x 2 7/10" x 1 1/2" (222mm x 68mm x 39mm)

0-10v Dimming		Voltage Range	Wattage	IP Rating	Dimension
MP05		347v AC	60w	IP66	9 2/5" x 1 7/10" x 1 3/10" (240mm x 43mm x 32mm)
MP18N		100-277v AC	60w	IP66	9 2/5" x 1 7/10" x 1 3/10" (240mm x 43mm x 32mm)
MP86		100-277v AC	100w	IP66	9 1/2" x 2 3/10" x 1 1/2" (241mm x 58mm x 37mm)
MP88		100-277v AC	150w	IP66	9 1/2" x 2 3/5" x 1 3/5" (241mm x 67mm x 40.5mm)

#### Ordering:

Sample SKU: MP05