

LED Linear  
LIGHTING SYSTEMS

[M] MPLIGHTING

L104





## Introduction

### **MP Lighting's Linear LED Line**

Our Linear LED line provides the ideal solution for your lighting needs. The line features ten linear products designed to suit any application—commercial, retail, industrial, or residential—and any budget.

Products in the Linear LED line can be used individually or joined to make a continuous lighting system. LED technology is utilized to ensure optimum efficiency and light output is achieved in each application. Ideal for cove, directional, and general illumination, MP Lighting's Linear LED line delivers a clean, white light guaranteed to complement any design.

MP Lighting developed its Linear LED line as an energy efficient alternative to traditional fluorescent lighting. We took into consideration the popularity of fluorescent linear lighting along with the growing demand for sustainable products, to create a lighting system that is both versatile and environmentally friendly.

### **Product Line Development**

The product arrangement of this line will satisfy the needs of different markets. While linear lighting can be used in a variety of applications, each application will have slightly different requirements. Whether you need a linear strip light suspended in a hotel lobby, discretely hidden under a kitchen cabinet, or ceiling mounted in a retail store, MP Lighting has the right light for each application.

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# Why Choose LED?

## LED vs. Fluorescent Linear Lighting



LED Linear lighting (top) creates smooth lighting effect with no socket shadows, where as fluorescent lighting (bottom) creates socket shadows between tubes. (For illustrative purposes only. Image based on three fixtures placed end to end.)

With an average product life of 50,000 hours, LEDs are the most energy efficient and cost effective lighting option on the market. Although LEDs pose a higher initial cost compared to fluorescent lighting, users must consider the long-term advantages and savings that LED lighting can offer. The chart and graphic below will explain more about the advantages of LED lighting.

	LED	Fluorescent
Dimmable	Yes	Yes <i>(Color shifting to cooler light temp.)</i>
Compact Light Source	Yes	No
Blink and Flutter Problems	No	Yes
UV Radiation	No	Yes
Mercury Pollution	No	Yes
Breakage	No	Yes
Maintenance Costs	Low	High

## The Benefits of MP Lighting's Linear LED Product Line

### Quality Materials

All MP Lighting products are made with high-quality materials which guarantee their strength and durability, resulting in a long product life. We use high output LEDs which are 10 to 20 times brighter than standard LEDs to ensure optimal light output and efficacy is achieved in each application.

### Custom Orders

Products in the linear LED line are available in a variety of options, including size, wattage, lens, and color temperature. If you do not see an option that will suit your project, MP Lighting can customize your order.

### Technology & Energy Efficiency

Our products are continually upgraded to use the latest technology in LED chips, ensuring that our customers receive the most energy efficient product on the market. Our LED thermal management system ensures an efficient performance and utmost product life.

### Versatile Applications

MP Lighting's Linear LED product line is suitable for numerous applications in the commercial, retail, industrial, hospitality, residential and educational industries.

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# How to Order




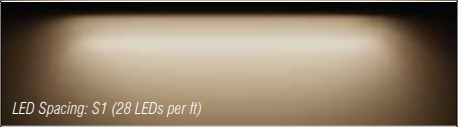



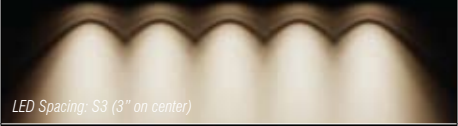





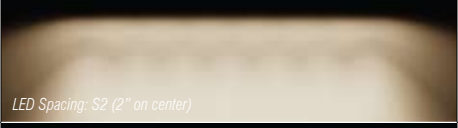




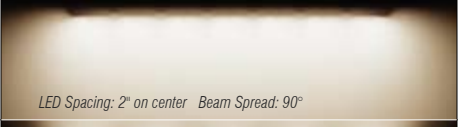


**Contact Us** For more information about the products in our Linear LED line, please visit our website at [www.mplighting.com](http://www.mplighting.com) to find your local sales representative or contact us at **1-877-708-1184**.



L171 Outdoor Rated LED Rail Light

# MP Lighting Linear LED Product Comparison

(For illustrative purposes only. The true light effect will be determined by the spacing and beam spread the customer chooses. Light effects are based on 1' fixture length at a distance of 2/5" from the wall).

		Light Effect*	Source	Lumens
<b>L101</b>		 <i>LED Spacing: S3 (3" on center)</i>	1W LEDs	< 100 lm/W (3000K)
<b>L102</b>		 <i>LED Spacing: S1 (28 LEDs per ft)</i>	0.07W LEDs	< 65 lm/W (3000K)
<b>L103</b>		 <i>LED Spacing: S3 (3" on center)</i>	1W LEDs	< 100 lm/W (3000K)
<b>L104</b>		 <i>LED Spacing: S3 (3" on center)</i>	1W LEDs	< 100 lm/W (3000K)
<b>L105</b>		 <i>LED Spacing: S3 (3" on center)</i>	0.5W LEDs	< 60 lm/W (3000K)
<b>L106</b>		 <i>LED Spacing: S3 (3" on center)</i>	1W LEDs	< 100 lm/W (3000K)
<b>L111</b>		 <i>LED Spacing: S2 (2" on center)</i>	1W LEDs	< 100 lm/W (3000K)
<b>L121</b>		 <i>LED Spacing: S1 (28 LEDs per ft)</i>	0.07W LEDs	< 65 lm/W (3000K)
<b>L161</b>	 	 <i>LED Spacing: 2" on center Beam Spread: 90°</i>	1W LEDs	< 100 lm/W (3000K)
<b>L171</b>		 <i>LED Spacing: S3 (3" on center)</i>	1W LEDs	< 100 lm/W (3000K)

Beam Options	Lens Options	Mounting Options	Benefits	Applications	Examples	
120°	Flat Frosted Flat Clear Convex Clear	Surface - 45° or No Angle	Smooth light effect with minimal scalloping	Cove, cabinet, display case, or shelving	Retail stores or office spaces	<b>L101</b>
120°	Flat Frosted Flat Clear Convex Clear	Surface - 45° or No Angle	Smooth light effect with no scalloping	Coves or tight spaces close to the surface	Kickers on restaurant buffet stands, bars or kitchen islands	<b>L102</b>
120°	Flat Frosted Flat Clear Convex Clear	Surface - No Angle Rod or Cable Suspension Fixed Wall Bracket	Smooth light effect with minimal scalloping. Can be suspended from ceiling or wall.	Cove, cabinet, ceiling or wall	Retail stores, office space, hotel or apartment lobbies	<b>L103</b>
12° 30°	Flat Frosted Flat Clear	Surface - No Angle Rod or Cable Suspension Adjustable Wall Bracket	Can be suspended from ceiling or wall. Focusing lenses direct light on surfaces.	Ceiling or wall	Offices, conference rooms, hotels or universities	<b>L104</b>
120°	Flat Frosted Flat Clear Convex Clear	Surface - 45° or No Angle	Budget-friendly; similar to L101, but with lower light output	Cove, cabinet, display case or shelving	Hotels, retail stores or office spaces	<b>L105</b>
12° 30°	Flat Frosted Flat Clear	Surface - No Angle	Focusing lenses direct light on surfaces.	Large coves, display case, shelving or wall	Jewelry or retail stores	<b>L106</b>
12° 30°	—	Rod or Cable Suspension Adjustable Wall Bracket	Can be suspended from ceiling or wall. Focusing lenses direct light on surfaces. Twice the light output of L101	High ceiling or wall	Universities, large retail stores, hotel or airport lobbies	<b>L111</b>
120°	Acrylic Lighting White	Recessed into Wall or Ceiling	Up to 112 mini LEDs per foot eliminates hot spots	Bathroom vanities, walls or ceiling	Hotels, lobbies or dressing rooms	<b>L121</b>
90°	—	Wall or Ceiling	Adjustable standoffs mount to wall, ceiling or display case. Pivoting head for up or down illumination.	Wall, ceiling or display case	Jewelry or retail stores	<b>L161</b>
12° 30°	Flat Clear	Adjustable Wall Bracket	For outdoor use. Focusing lenses directs light on surfaces	Window sills, walls, pillars or beams	Outdoor terrace or garden in hotels or restaurants	<b>L171</b>

*Note: All fixtures are suitable for 24V 100W driver.*

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