

LED-FLEX™

The LED substitute for neon lighting has arrived. Over 2 years of research and development has led to a product that has virtually limitless applications. Our LED-FLEX product looks exactly like traditional neon, but it is so versatile, the possibilities are endless. Architectural Borders, Pathway Lighting, Cove Lighting, and Signage just to name a few.

We have incorporated light emitting diode (LED) technology into a flexible and durable package that has the appearance and brightness of traditional neon. Our uniform and super-bright light output is achieved through a proprietary optical maximization technique which is completely sealed and impervious to shock and vibration. The LED-FLEX product is suitable for wet locations and can withstand extreme temperatures.

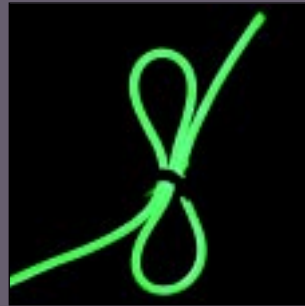
Offering bright color options, very low energy use and ease of installation, LED-FLEX is the ideal lighting solution for any architectural, decorative and indicator application where long life and no maintenance are preferred.



red



yellow



green

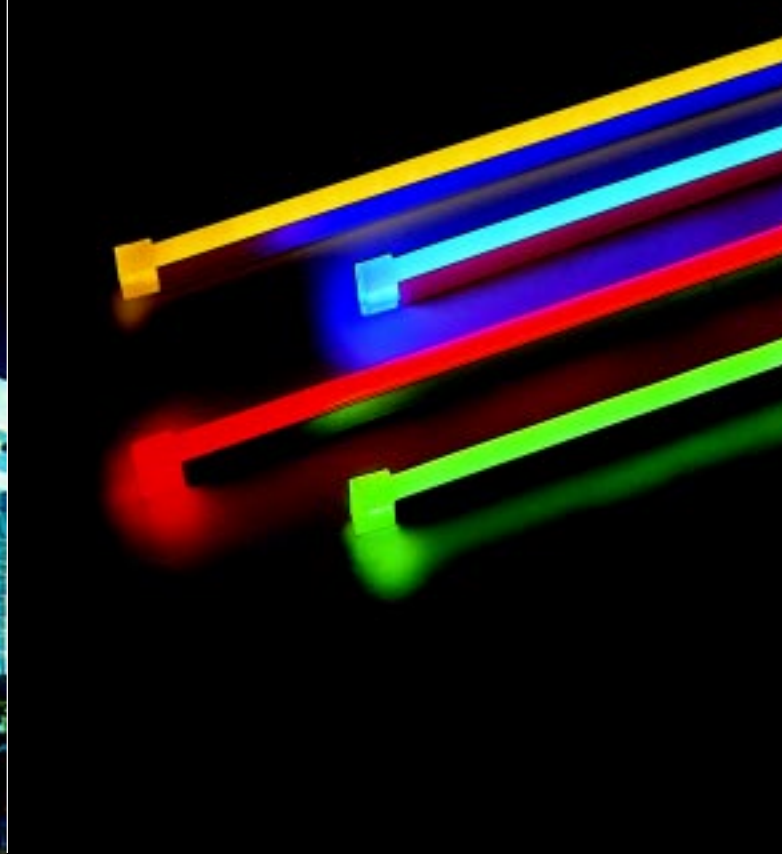


blue

Ordering Information

Model #	Color	Length	Voltage	Cutting Unit	LED/Unit	Watts/FT	Max. Loading Length	
							1.6A Transformer	4A Transformer
LED-FX-R-150-120V	Red	150FT	120	2.5 FT	60	1.92	96FT	240FT
LED-FX-Y-150-120V	Yellow	150FT	120	2.5 FT	60	1.92	96FT	240FT
LED-FX-G-150-120V	Green	150FT	120	1.5FT	36	2.4	96FT	240FT
LED-FX-B-150-120V	Blue	150FT	120	1.5FT	36	2.4	96FT	240FT
LED-FX-R-30-24V	Red	30FT	24	4IN	8	2.88	16FT	40FT
LED-FX-Y-30-24V	Yellow	30FT	24	4IN	8	2.88	16FT	40FT
LED-FX-G-30-24V	Green	30FT	24	3IN	6	2.88	16FT	40FT
LED-FX-B-30-24V	Blue	30FT	24	3IN	6	2.88	16FT	40FT

Recommended storage & operating temperature: -20°C-60°C, 100% humidity



The LED Advantage....

Energy Efficiency: LEDs offer increased efficiency over incandescent, fluorescent and neon light sources. LED's are 10 to 50 times more energy-efficient, thus reducing your operating costs by up to 90%.

Long Life: LED life is measured in years of performance, not the hours and months of traditional light sources

Rugged: LEDs are rugged, solid state devices. They are not susceptible to vibration. They can withstand far more abuse than glass based bulbs, while remaining functional.

Color: LED-FLEX is offered in Red, Green, Blue and Yellow base colors. These colors are far more efficient than other light sources because LEDs create light in the specific color desired.

Energy Cost Comparison

Cost per kWh	Traditional NEON	dynaLUX LED-FLEX	Annual Savings	Lifetime Savings
\$0.08	\$1,839.60	\$605.40	\$1,234.20	\$12,342.00

Based on 300 feet of 24 volt color RED.

Energy Savings are based on 24/7/365 operation

Energy Usage: LED-FLEX=2.88W/FT

Traditional Neon=8.75W/FT

Better than Neon....

Yes, LED-FLEX can be used in place of neon for signage and on building interiors and exteriors, but it can also be used in many other applications where neon could never be incorporated. LED-Flex produces relatively no heat and is extremely durable, thus making application possibilities virtually endless. Our LED-FLEX product brightens:

- High Rise Buildings
- Casinos
- Step and Path Lighting
- Bridges
- Cruise Ships
- Amusement Park Rides
- Hotels
- Retail-Store Shelves and Display Cases
- Freezers and Refrigerators

BENEFITS & FEATURES:

- Safe to handle
- Minimal maintenance
- Low operating costs
- Long life
- Transportable
- Easy to install
- Versatile
- Bright color options
- Durable
- Weatherproof
- Able to be cut
- Complies with UL Standards
- Low energy use
- No harmful gases

THE CONNECTION.....

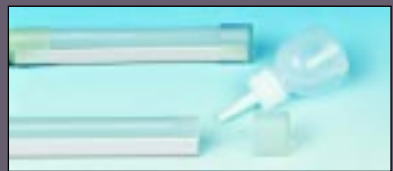
1. Easy Connector



Front connector includes:
 1. Female power connector LED-FX-CA-1
 2. Male connecting pin LED-FX-CA-2
 3. Heat shrink tube

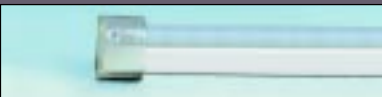
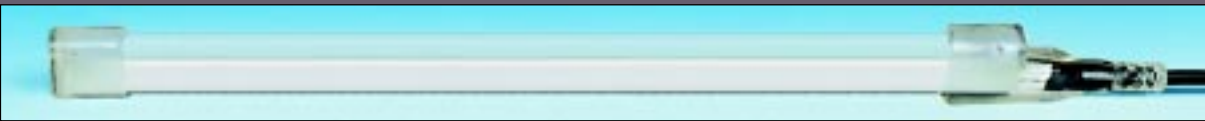


Spliceable Connector includes:
 1. Male connecting pin LED-FX-CA-3
 2. Heat shrink tube

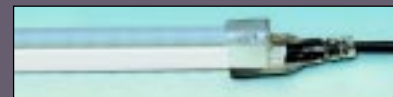


Attachable End Cap: LED-FX-CA-4

2. Molded Connector



Front connector includes:
 1. Molded power connector LED-FX-M-1



Molded end cap: LED-FX-M-2

3. High Voltage Power Supply



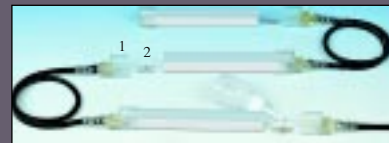
Includes:
 1. Power plug
 2. AC/DC Converter

4. Low Voltage Power Supply



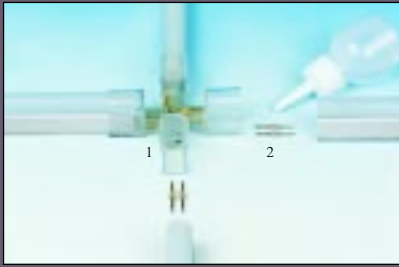
Includes:
 1. Power plug
 2. Transformer
 3. AC/DC Converter

5. Middle connector with cable



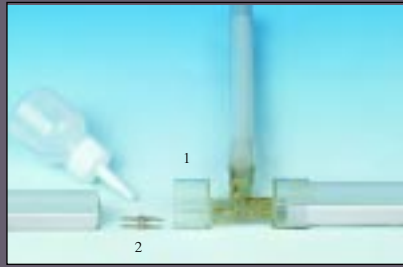
Includes:
 1. Female power connector LED-FX-CA-1
 2. Male connector pin LED-FX-CA-2
 3. Heat shrink tube

6. X Connector



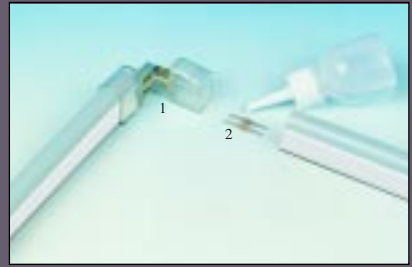
- Includes:**
- 1. X connector LED-FX-X
 - 2. Male connector pin LED-FX-CA-2
 - 3. Heat shrink tube

7. T Connector



- Includes:**
- 1. T connector LED-FX-T
 - 2. Male connector pin LED-FX-CA-2
 - 3. Heat shrink tube

8. L Connector



- Includes:**
- 1. L connector LED-FX-L
 - 2. Male connector pin LED-FX-CA-2
 - 3. Heat shrink tube

Package:



150Ft (50m) Package in plastic Reel



30Ft (10m) Package in plastic Reel

Professional Demo Kit



INSTALLATION.....

The LED-FLEX is a versatile and user-friendly lighting system. It can be cut, bent and formed in the field and easily installed on any flat surface.

1. Read and follow all safety instructions.
2. LED-FLEX can be cut only on indicated marks.
3. Be sure that the LED-FLEX and the power source have the same voltage.
4. When connecting pieces, pay attention to polarity.
5. Do not install if there is any damage to the LED-FLEX or cord insulation.
6. Do not submerge LED-FLEX.
7. Do not secure LED-FLEX or its cord with staples, nails or like means that may damage the insulation and optics.
8. When using outdoors basic safety precautions should be followed to reduce the risk of fire, electric shock and personal injury. Only Ground Fault Circuit Interrupter (GFCI) protected circuits should be used.

1. Cutting mark



LED-FX Must be cut only on the indicated mark

2. Linear installation



Includes:
1. Channel LED-FX-CH

3. Curve installation



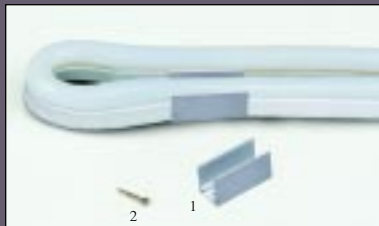
Includes:
1. Mini channel LED-FX-5
2. Screw

4. 90° Installation



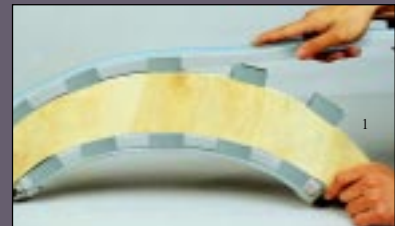
Includes:
1. Mini channel LED-FX-5
2. Screw

5. 180° Installation



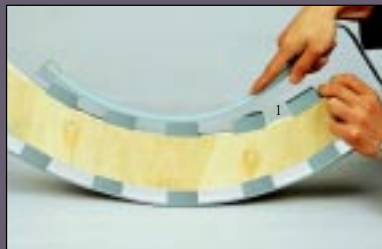
Includes:
1. Mini channel LED-FX-5
2. Screw

6. Convex installation



Includes:
Mini channel LED-FX-5

7. Concave installation



Includes:
Mini channel LED-FX-5

8. Installation into the channel



Press LED-FX into the channel slot

DESIGNING AN LED-FLEX SYSTEM.....

To build an exposed neon lighting system in the past it required customization, breakable glass tubes and a trained specialist to install it. An LED-FLEX system can be field trimmed to practically any length and is simple to install.

Remember: there is now a brighter, more energy efficient and long-lasting LED lighting solution for neon and many other lighting design applications....LED-FLEX.

To make the design process simple and to get your LED-FLEX lighting system in place, please call your local representative or our customer service center at (716) 672-9833.

LED-FLEX System Builder

One can also refer to the LED-FLEX System Builder on our website. This easy to use tool will generate a complete parts list to make the specification and ordering process fast and easy.

