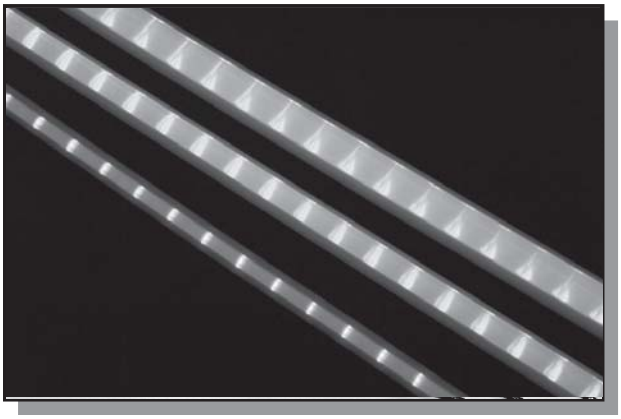
WHAT IS STA-FLEX® LEF™ LINEAR EMITTING FIBER?



DESCRIPTION: LEF Optical Fiber is a family of light extracting optical fibers developed by Lumenyte International Corporation. This unique optical fiber can be configured as a bright neon-like product that can be viewed decoratively or as a highly functional product suitable for interior, exterior and water feature use. It can also be used in applications requiring high levels of indirect illumination such as cove lighting.

LEF optical fiber sizes are flexible and bondable, provide single-face viewability and a 60° beam spread linearly.

LEF510M

- Brightest flexible fiber optic available in the lighting market.
- Use when brightness level is to be similar to or to exceed neon.
- Use in lengths up to 40' (12.2m) lit from each end or half this length lit from one end.

LEF410M

- For use in moderate-sized direct or indirect lit applications.
- Mid-level in brightness.
- Use in lengths up to 20' (6m) lit from each end or half this length lit from one end.

LEF310M

- For use in smaller profile areas for directly or indirectly lit applications.
- Use in lengths up to 12' (3.6m) lit from each end or half this length lit from one end.

Where should I use LEF Optical Fiber products?
Typical applications include coves, under counters or toe-kick areas, backlighting, open channel letters for signage and other indirectly viewed applications. Directly viewed, it is excellent for architectural perimeter lighting. Also use it where its higher intensity is required to compete with ambient light levels. With water-resitant jacket added, it is ideal for aspects of water feature lighting. (Please see individual product and specification sheets for additional applications.)

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How bright is LEF Optical Fiber?
LEF510M exceeds neon brightness in straight runs (10' or less), lit from one end when using a recommended Lumenyte metal halide illuminator. As this product is designed to emit high levels of light, shorter lengths provide higher intensity and promote uniformity. In longer, straight lengths (up to 40') without bends, LEF510M appears similar to neon-level brightness when lit from each end.

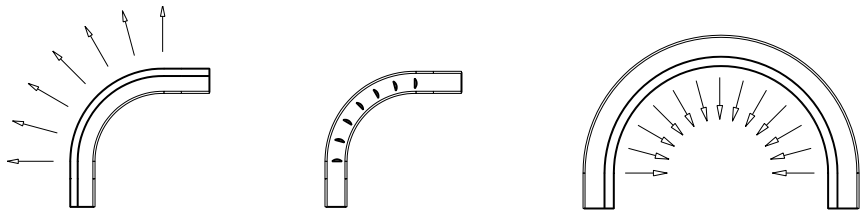
Maximum length recommendations for straight runs (no bends):

	Single-Ended	Double-Ended	Maximum Number Recommended Into Metal Halide Illuminator
LEF510M	20' (6.1m)	40' (12.2m)	2
LEF410M	10' (3m)	20' (6.1m)	3
LEF310M	6' (1.8m)	12' (3.6m)	7

How do I specify LEF Optical Fiber?
Basic criteria include the following:

1) Uni-directional viewing must be acceptable. LEF optical fiber emits light at a 60° beam spread primarily through one face only.
2) LEF optical fiber consists of a portion of notched optical fiber which performs the actual lighting and an un-notched portion (DR-Driver).

Bend radius recommendations are as follows:



LEF510M:	4" radius (102mm)	4" radius (102mm)	6" radius (152mm)
LEF410M:	3.5" radius (89mm)	3.5" radius (89mm)	5" radius(127mm)
LEF310M:	3" radius (76mm)	3" radius (76mm)	4" radius(102mm)

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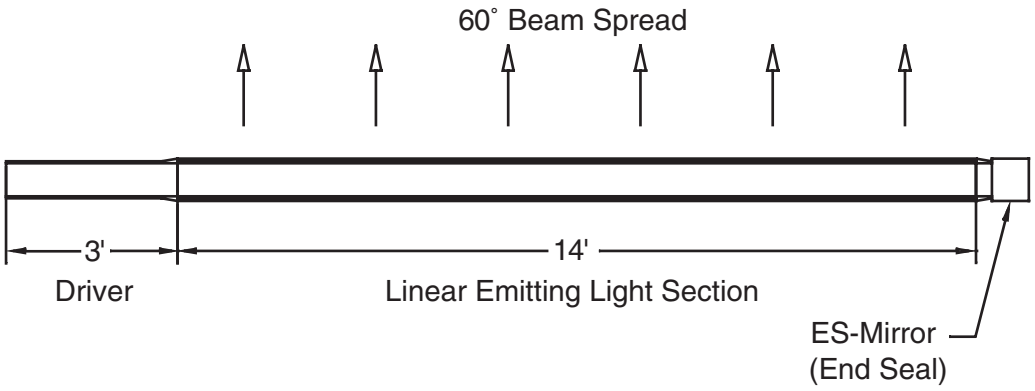
LIC recommends use of a Lumenyte metal halide illuminator with LEF fiber for best lighting performance. Lumenyte International also offers complimentary design review and recommendations. Your local representative can assist in this process. Please contact them or Lumenyte International for further information.

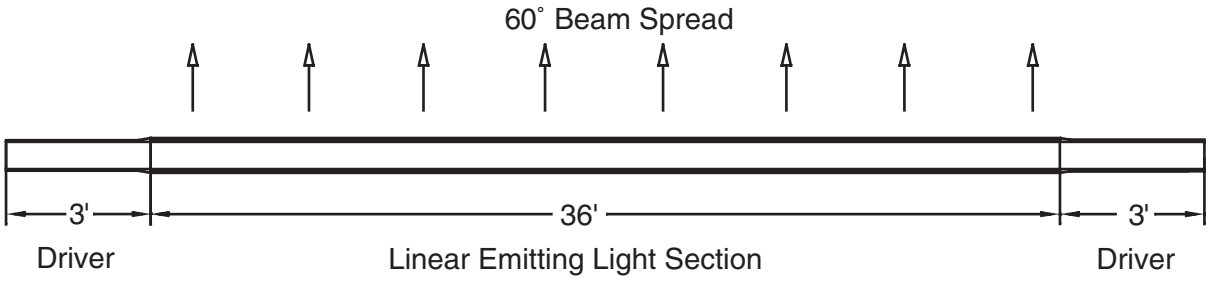
How do I order LEF Optical Fiber?
Single-ended run lengths are ordered by defining the quantity, product code and footage of the LEF optical fiber. Driver (DR) and LEF portions are further explained on the back of each spec sheet in this binder. A minimum of 1' driver portion is required.

Example: LEF510M-17' (3' DR / 14' LEF)



Double-ended run lengths are ordered in the same way but with a second driver included:

Example: LEF510M-42' (3' DR / 36' LEF / 3' DR)



IMPORTANT NOTE: A driver at each end is required when LEF is being lit from both ends.