

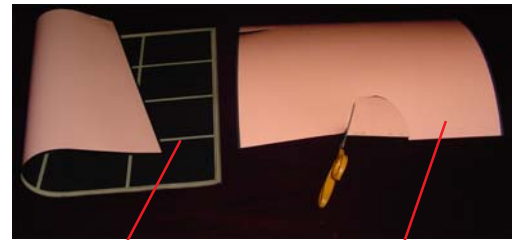
**What is FLATLITE®?**

FLATLITE is an electroluminescent (EL) lamp. It operates the same way as other EL technologies in that light is produced by exposing phosphor crystals to AC power. The particles are excited by the voltage and frequency and give off light.

**Why is FLATLITE® unique?**

FLATLITE® is unique to other electroluminescent technologies because it is manufactured in long continuous rolls that are 30 inches (760 mm) wide and over 1200 feet (365 M) long. Most EL products are silk screen printed and are limited to a specific size, shape and connection location. The FLATLITE manufacturing process allows unparalleled quality and size with the *ability to be easily fabricated into different widths, lengths and shapes.*

FLATLITE® master rolls are slit into a variety of standard widths and lengths as described below but can be modified or custom cut for specific needs.



Typical EL lamp. Limited to specific size and shape due to electrical busbars running throughout lamp

FLATLITE lamp. Can be easily cut into different shapes and sizes.

**The Scribe Line**

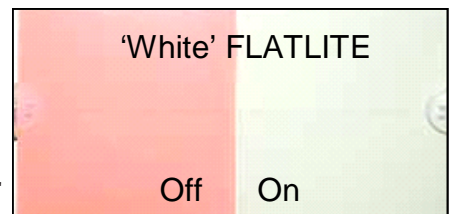
A distinguishing characteristic of FLATLITE® lamp is the line down the center of whatever width the lamp is cut to. This line is made by cutting or scribing into the aluminum backing of the lamp, dividing it into two electrical conductors of equal size and symmetry. This technique is what allows the uniform illumination of such large areas of light, and also allows for the lamp to be custom shaped and molded.

**Basic Colors**

FLATLITE® is manufactured in two basic colors:

- 'Green/Blue' utilizes a mix of natural Blue & Green phosphor crystals which, combined, give the best brightness and life available.
- 'White' is made by adding a dye to the phosphor mix during manufacturing. When energized, the Blue/Green color is shifted by the dye to appear as a pure White color of 5400 degrees Kelvin.

**FLATLITE® Basic Colors**



**Color Overlays**

For lamp widths of 6 inches (152.4 mm) or less, other colors are created by adhering and laminating colored gel material to the standard Green/Blue and White FLATLITE lamp. The six color overlays are: Yellow, Red, Magenta, Green, Blue, & Orange.



FLATLITE® color overlays

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[Sales@E-Lite.com](mailto:Sales@E-Lite.com)  
 Phone 203.371.2070

Fax 203.371.2078  
 2285 Reservoir Avenue  
 Trumbull, CT 06611-4743



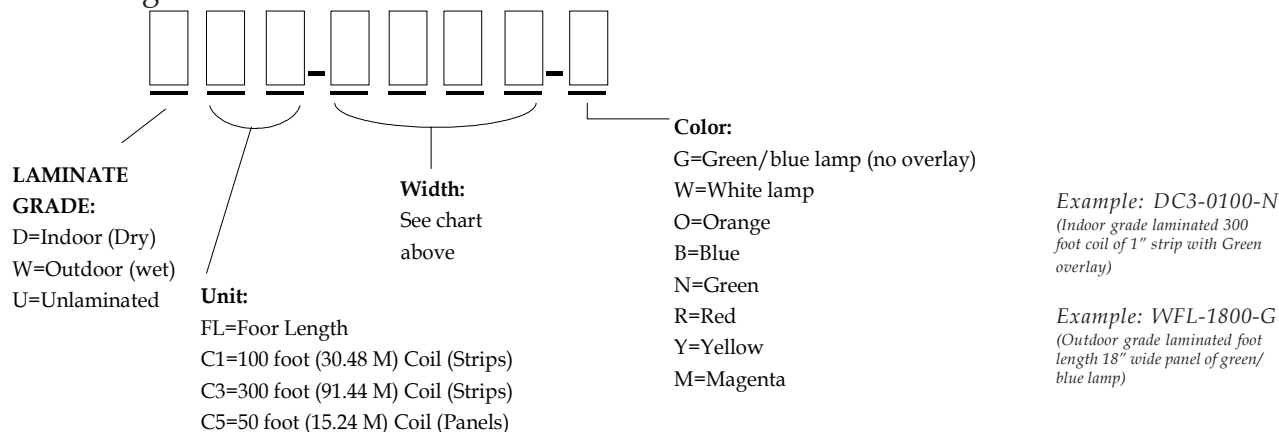
# FLATLITE OVERVIEW

## Lamination

FLATLITE® is available in both an indoor and outdoor grade. Indoor grade lamp is laminated with a standard polyester material that resists humidity up to 70%. Outdoor grade lamp utilizes a specially formulated laminate that provides up to 99% humidity protection plus ultraviolet (UV) protection to stand up to sun exposure. Prolonged contact with water will cause the lamp to begin to black out and not light in those spots.

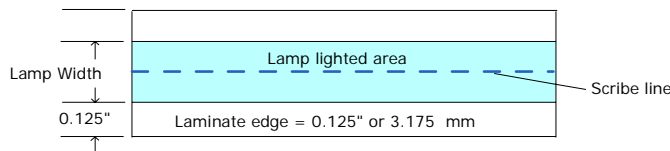
## The FLATLITE® SKU

The various widths and lengths of finished FLATLITE® lamp are represented by the following SKU:



## FLATLITE® Widths

'FLATLITE® widths' refer to the *lighted width* of the lamp. The overall lamp dimensions include the protective laminate as indicated here.



Although FLATLITE® lamps can be custom cut for specific needs, we make the following standard widths and coil lengths are available:

### Strip Widths

Inches	Millimeters	SKU
0.25	6.35	0025
0.50	12.7	0050
1.0	25.4	0100
2.0	50.8	0200
3.0	76.2	0300
6.0	152.4	0600



### Panel Widths

Inches	Millimeters	SKU
9	228.6	0900
12	304.8	1200
15	381.0	1500
18	457.2	1800
21	533.4	2100
24	609.6	2400
30	762.0	3000



### Standard Coil Lengths

Width	Length
6" or less (strip widths)	100' or 300'
9" or greater (panel widths)	50'

