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E-LITE TECHNOLOGIES INC.



FLATLITE® -The world's widest, thinnest, longest light bulb™

WHAT IS EL?

WHY FLATLITE?

CATALOG

PUBLICATIONS

APPLICATION INFO

SAMPLE KITS

LOGIN

Catalog*

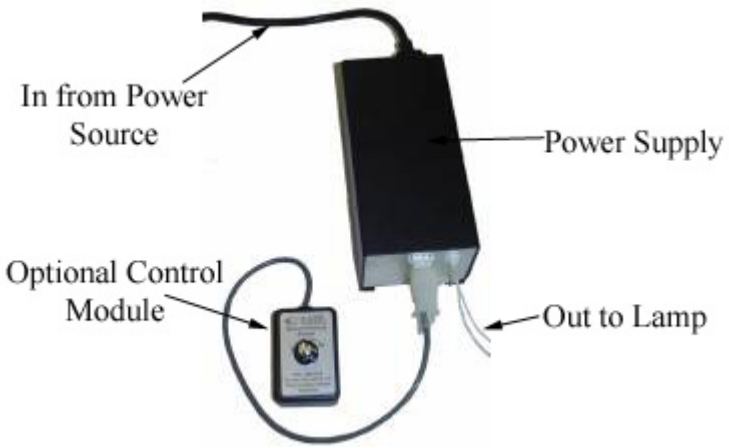
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*Note: Please be aware that the catalogs above are the last generation of segment focused brochures. Some of the information and data is outdated. Please see for up to date product and technical information, and check back soon for new product catalog.

The FLATLITE® system



Lamp
AC Power Supply (Inverter)
DC Power Supply (Inverter)

Lamp

Basic Colors:

Green/Blue' - utilizes a mix of natural Blue & Green phosphor crystals which, combined, give the best brightness and life available. Appears off white when not powered. 	*'White'* 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. Appears pink in color when not powered. 

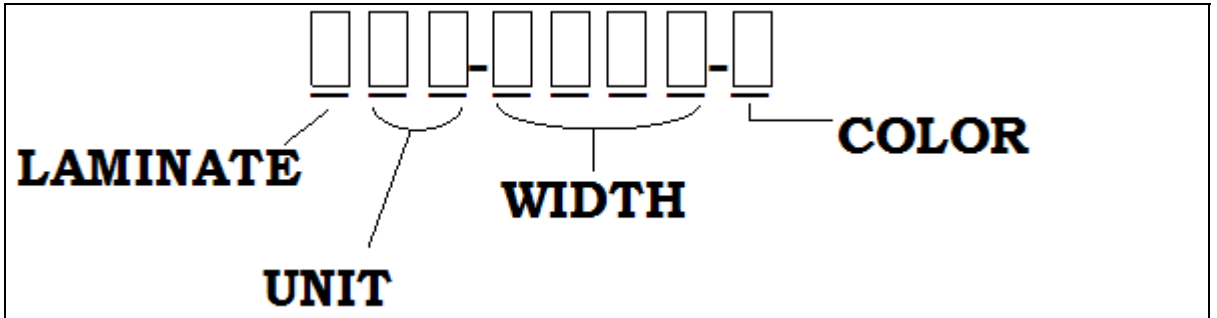
Color Overlays

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 FLAT**LITE®** lamp. The six color overlays are: Yellow, Red, Magenta, Green, Blue, & Orange.



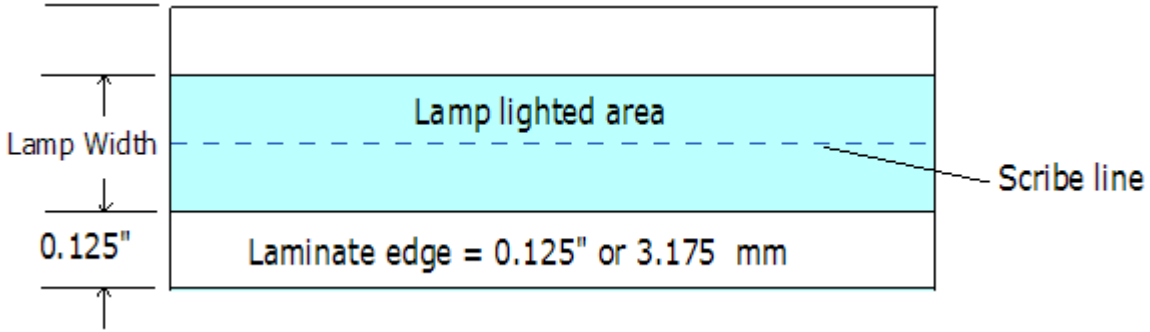
Lamination

- *Indoor Grade:* laminated with a standard polyester material that resists humidity up to 70%.
- *Outdoor grade:* a specially formulated laminate that provides up to 99% humidity protection plus ultraviolet (UV) protection to stand up to sun exposure.



LAMINATE:	UNIT:	COLOR:
"D" = Indoor (dry)	"FL" = By the foot	"G" = Green/blue (no overlay)
"W" = Outdoor (wet)	"C1" = 100' (30.48m) coil (strips only)	"W" = White (no overlay)
"U" = Unlaminated	"C3" = 300' (91.44m) coil (strips only)	"O" = Orange Overlay
	"C5" = 50' (15.24m) coil (panels only)	"B" = Blue Overlay
WIDTHS:		"N" = Green Overlay
See charts below		"R" = Red Overlay
		"Y" = Yellow Overlay
		"M" = Magenta Overlay

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



Inches	Millimeters	SKU
9	228.6	0900
12	304.8	1200
15	381	1500
18	457.2	1800
21	533.4	2100

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	7602	0300

24	609.6	2400
30	762	3000

6.0	152.4	0500

Width	Length
6" / 15.24 cm or less (Strip widths)	100' (30.48m) or 300' (91.44)
Greater then 6" /15.24 cm (Panel widths)	50' (15.24 m)

Power Supplies: AC Mains Input

Select power supply based on the total square inches that it will light.
Input Power: 110/240VAC, 50/60 Hz

Specs:

MODEL	DIMENSIONS Width x Length x Height	WEIGHT	MAX POWER	LAMP AREA
600N	3.6" x 8.3" x 3.1" 9.2cm x 21cm x 7.9cm	2lb 8oz 1.1 kg	30 watts	100-600 in^2 645-3900 cm^2
2200N-A	3.75" x 10.5" x 3.25" 9.5cm x 26.7cm x 8.3cm	3lb 12oz 1.7 kg	90 watts	600-1800 in^2 3900-11600 cm^2
2200N-B			100 watts	1800-2600 in^2 11600-16800 cm^2
12KN-A	9" x 13.4" x 4" 23.4cm x 34cm x 10.2cm	7lb 5oz 3.3 kg	155 watts	2600-3500 in^2 16800-22600 cm^2
12KN-B		9lb 13oz 4.4 kg	240 watts	3100-5300 in^2 20000-34200 cm^2
12KN-C		12lb 5oz 5.6 kg	390 watts	4800-8000 in^2 30900-51600 cm^2
12KN-D		14lb 13oz 6.7 kg	625 watts	7800-12500 in^2 50300-80600 cm^2

Power Supplies: DC Input

Pick power supply based on the total square inches that it will light.
12V and 24V DC (Vcc) Input Compensating Inverters

	LAMP RANGE (inverter powers lamp within this area range)		WIDTH		HEIGHT		LENGTH		
Inverter Model	**$inches^2$**	**cm^2**	**inches**	**cm**	**inches**	**cm**	**inches**	**cm**	**Max Current Required**
PS60N	5-60	30-390	2	5.8	1.5	3.8	2	5.8	250mA
PS125N	15-125	100-800	2	5.8	1.5	3.8	3	7.6	500mA
PS60N-CM	5-60	30-390	2	5.8	1.5	3.8	3	7.6	250mA
PS125N-CM	15-125	100-800	2	5.8	1.5	3.8	3	7.6	500mA

DC41EL-129-150	129-150	830-968	4	10.16	2	5.08	2.19	5.56	560mA
DC50EL-151-250	150-250	968-1613	5.75	14.61	2	5.08	2.19	5.56	940mA

Control Modules

CMD-001 Analog Interface Module

Remote control interface enables on-board dimming of lamp via interface with E-Lite Power Supplies.

CMD-002 Manual Dimming Module

A rotary dimmer switch is used to manually dim the lamp.

CMD-004 Variable Flashing Module

Two flush-set screwdriver pots (dials) are used to manually adjust the "On" time and the "Off" time of the flashing lamp.

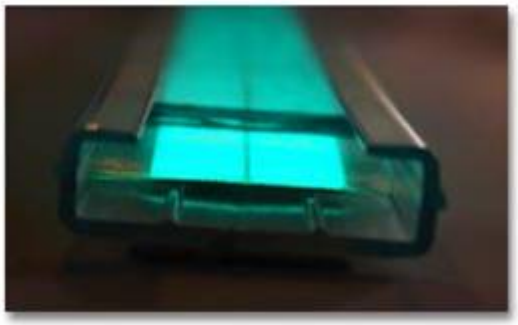
Connections & Terminations



Any of a number of different methods can be used to very simply attach connectors to the lamp. E-Lite makes available ETCO and AMP brand connectors, but many other types are commonly used.

See Connectors and for more information.

Fixtures



FLAT**LITE®** is inherently safe with just the standard indoor or outdoor laminate, but if it was punctured or cut, it would be electrically live. In a decorative architecture application, FLAT**LITE**® requires a fixture (extrusion) for proper installation. There are as many ways to create a protective fixture for FLAT**LITE**® as there are uses for the product itself. E-Lite makes the following extrusions available:

Extrusion SKU	Lamp Strip Width (illuminated width, not overall lamp with)	Extrusion Consists of:
EDT-0025C-5*	1/4" (0.635 cm)	5' (1.52 m) long base 5' (1.52 m) snap over lens

EDT-0075C-5*	1/2" (1.27 cm)	5' (1.52 m) long base 5' (1.52 m) snap over lens
ADT-0050C-10	1/2" (1.27 cm)	8' (2.44 m) long base 8' (2.44 m) slide over lens
ADT-0100C-10	1" (2.54 cm)	8' (2.44 m) long base 8' (2.44 m) slide over lens
ADL-0100C-8-SN	1" (2.54 cm)	8' (2.44 m) long base 8' (2.44 m) snap over lens
ADT-0300C-10	3" (7.62 cm)	8' (2.44 m) long base 8' (2.44 m) slide over lens
ADT-0600C-10	6" (15.24 cm)	8' (2.44 m) long base 8' (2.44 m) slide over lens
* used for egress applications. Based on Wiremold® 400 and 800 series raceway. Limited stock of 0075C available		

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