

"RARE EARTH" NEON TUBING

FOR CHANNEL LETTERS AND SIGNAGE REQUIRING SUPER-BRIGHT WHITES AND BRILLIANT COLORS, SPECIFY THE C.L. DESIGNER® SERIES

UP TO 300% BRIGHTER THAN CONVENTIONAL NEON, PLUS GREATER OUTPUT STABILITY AND STAIN RESISTANCE

This newest generation of neon tubing from EGL is an outcome of recent advances in television screen technology that utilize the brilliant picture quality you enjoy today.

Research revealed that rare-earth chemicals incorporated in phosphor coatings emit extremely narrow bandwidths of light (significant because the narrower the bandwidth, the brighter, purer, and more vivid the light emission - the wider the bandwidth, the dimmer and more washed-out.)

Rare-earth phosphors were also found to maintain their purity and high output levels far longer than conventional phosphors, offering superior performance on all counts.

EGL has combined the latest in rare-earth phosphor technology with over 70 years of experience

in neon tube making to create an entirely new generation of ultra-high performance neon tubing - C.L. Designer® series. Available in a range of nine whites and six colors, C.L. Designer® tubing is the ideal alternative to conventional neon for channel letter applications for major reasons:

- 25 to 300 percent higher output significantly boosts the brilliance and visibility of all rigid and vinyl plastic channel letter fascia colors - including blues and greens that were previously difficult to illuminate. Higher output can also allow the number of tubing runs to be reduced, cutting material and labor costs significantly.

- Superior color purity and accuracy enable channel letters to match corporate color schemes with unmatched precision and consistency.

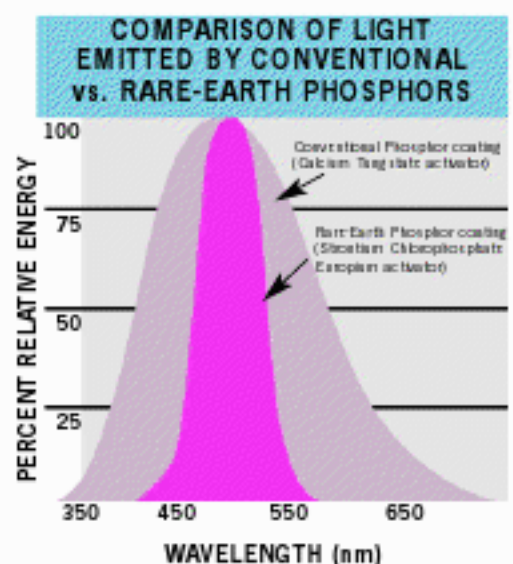
- Enhanced color stability and resistance to staining and output depreciation keep channel letters looking brighter and more colorful significantly longer than letters containing conventional neon tubing.

- Super-bright C.L. Designer® color tubing boosts the vividness and intensity of colored plastic fascias for far beyond that of conventional white tubing.

- Blending of three rare-earth phosphors to produce each brilliant shade of white creates a range of cool-to-warm variants, allowing fine tuning of the illuminated plastic fascia colors to match corporate color schemes precisely.

While the outstanding properties of C.L. Designer® tubing make it particularly suitable for channel letter applications, it is equally desirable for open neon signage and architectural lighting requiring super-bright whites, brilliant colors, and long term color accuracy. It processes as easily as conventional phosphor-coated tubing and is available in 7, 8, 9, 10, 11, 12, 13, 15, and 18mm diameters.

For best results use EGL Advantage™ Electrodes and EGL 99.999% pure gases.



The rare-earth phosphor emits a narrower band of wavelengths, and therefore a purer, more vivid color than the conventional phosphor.

Whites available:

- C.L. Designer® 24
- C.L. Designer® 28
- C.L. Designer® 30
- C.L. Designer® 35
- C.L. Designer® 41
- C.L. Designer® 45
- C.L. Designer® 65
- C.L. Designer® 71
- C.L. Designer® 83

Rare-Earths available:

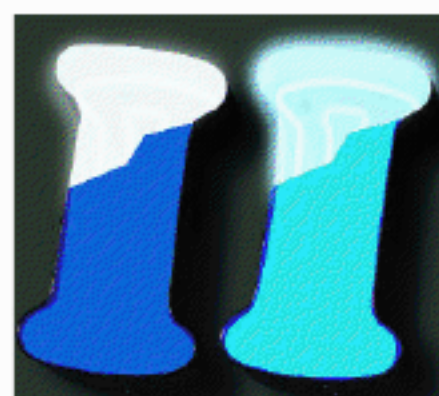
- Horizon Blue
- Tropic Green
- Coral Pink
- Seacrest
- Violet II
- Flamingo



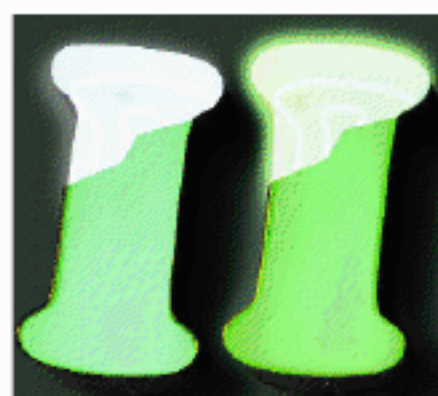
Channel letters illuminated with C.L. Designer® tubing (right) produce significantly more light and truer whites than conventional tubing (left) which emits a bluish cast and alters the color of the plastic fascia.



C.L. Designer® tubing (right) is so bright, single runs can often be used instead of double runs of conventional white tubing (left), saving material and labor costs while eliminating the bluish cast of conventional white tubing.



Using colored rare-earth tubing behind colored plastic fascias produces signage that is not only brighter but more vivid and pure than signage illuminated with conventional white tubing. Compare identical blue plastic fascia colors illuminated by conventional white tubing (left) and EGL's Horizon Blue (right).



Identical green plastic fascias illuminated by EGL's rare-earth Tropic Green neon tubing (right) are significantly brighter and more vivid than fascias illuminated by conventional white tubing (left).

Channel letter images represent actual differences between conventional and C.L. Designer® tubing with the limits of 4-color process printing. See your EGL representative for stunning real life examples.