



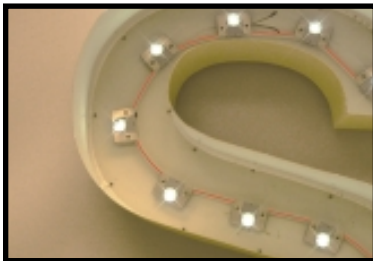
## TETRA™ POWER WHITE LED SYSTEM FOR CHANNEL LETTERS

GE tested quality, maximum reliability, superior value.

### 1 Applications

- **Retail**
- **Restaurant**
- **Convenience**
- **Grocery**
- **Strip Malls**

### 2 Benefits



**Extra Long Life.** Tetra™ Power White LED strip is warranted for up to 4 years and can last up to 50,000 hours with only 35% lumen depreciation. Longer life means fewer system changes, lower maintenance costs, and fewer disruptions due to burned out or broken tubes, failed transformers, or nuisance tripping.







**Built Tough to Last,** even under many “rough service” conditions. LEDs are more resistant than neon to vibration. When GELcore subjected Tetra™ to a battery of tests, including salt corrosion, temperature, humidity and stringent thermal cycling, the product achieved superior results compared to other channel letter lighting alternatives due to rugged design and GE’s rigorous Six Sigma process.



**Simple Installation.** Patent-pending design enables the system to be used in new or retrofit applications with a variety of sign script fonts.

**Light Intensity.** The Tetra™ Power White channel lighting system utilizes high-power 1 watt LED devices that provide more usable lumens on the letter face.

### 3 Competitive Comparison Chart

Attributes	YES	NO	Attribute Importance
Low Energy Consumption	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Typical load of 2.4 watts per foot.
User Friendly Installation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Patented design uses mechanical attachments for fast installation in new & retrofit applications in a variety of script fonts.
Thermal Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tetra LED module is designed with an integral heat sink to draw heat away from the LED. Tetra LEDs operate below the maximum operating current of 350mA which maximizes LED life and minimizes lumen depreciation.
Parallel Circuitry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	System design ensures that an outage of one LED does not affect the rest of the system. All Tetra modules and splice connectors have positive locking devices to ensure permanent attachment and reliability over time.
Corrosion Protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tetra system is manufactured using similar metals connected via a multiple strand, individually coated, 16-gauge wire which protects against system life reduction through galvanic corrosion.
UL Recognized System   UL Classified System  CSA Approved System  	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tetra is the first LED system to achieve UL Classified status. UL Classified systems must be used in retrofit applications to maintain the UL listing of the installed sign. The Tetra system also carries UL Recognition for US, CSA for Canada, CE for Europe and C tick for Australia.
 System Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GELcore offers a guaranteed limited warranty with five (5) years on the power supply and four (4) years on the Tetra Power White strip.
Regulated Power Supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The power supplies are Class II rated and have fused output banks to provide overload protection. All power supplies regulate output voltage to provide optimal LED performance.

### 4 Technical Specifications

Technical Specifications	
LED Colors	White 6500 Kelvin
LEDs Per Foot	2 LEDs/ft., 3 LEDs/ft., (6 LED/m, 9 LED/m)
Typical Power Usage	2.4 watts/ft.@(2/ft), 3.6 watts/ft.@(3/ft.)
Power Supply (Indoor or Outdoor)	UL Recognized, UL Classified, CE, CSA Approved, C Tick, Class II Rated Supports up to 28 lineal feet (8.5m) of Tetra LEDs
Typical Output Voltage	3.8 VDC
Input Voltage	96 to 264 VAC and 50/60 Hz
Input Current	1.5 A (GECLPS5 Power Supply)
Operating Environment	<b>Power Supply:</b> -25°C to +65°C (GECLPS5) <b>Tetra Strip:</b> -40°C to +65°C
Certification	Strip & Power Supply <b>UL Recognized #:E219167</b> <b>UL Classified #:E229508</b> <b>CSA Approved #:216319</b> <b>CE, C Tick</b>



6180 Halle Drive • Valley View, Ohio 44125-4635

P:216.606.6693 • F:216.606.6556 • W:www.gelcore.com • E:tetra@gelcore.com

Publication No:70911 • R:10/22/04 • GELcore LLC is a joint venture between GE Lighting and EMCORE Corporation  
 Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.  
 GELcore LLC markets and distributes the GE brand of LED products and uses the GE trademarks under license from the General Electric Company.

