

GE
Lumination

Tetra[®] Power White LED Lighting System



imagination at work

Tetra[®] Power White

A powerful advancement in channel letter lighting

Next generation Tetra Power White from GE Lumination is brighter, lighter and more cost effective than ever before. Improved Tetra Power White provides powerful performance in even the biggest channel letter applications. Utilizing GE Six Sigma quality standards for development and testing, Tetra Power White sets a new standard for total value in LED lighting solutions.



Powerful Performance

High-output white light

Tetra Power White has been re-engineered for greater brightness and power supply loading, plus features a lighter, more compact design. Our high-output LED system delivers an impressive 66 lumens per module of brilliant, white light that is perfect for large backlit, channel letter and reverse halo applications.

Brilliant, uniform light

This robust system emits an incredible amount of brilliant uniform light across the entire sign face, filling every curve of the most demanding channel letter designs. Multi-colored signs can also benefit from the consistent light distribution and bright output from this LED system. Tetra Power White also protects sign owners from the embarrassment of unsightly dim or burned out signs that threaten positive brand perception.

Proven Reliability

Over 57 million Tetra LEDs installed worldwide

Only GE Lumination has the depth of experience that comes from supplying more than 57 million Tetra LEDs spanning a combined distance of over 10 million linear feet. With a failure rate less than 0.05 percent*, every Tetra LED system is backed with a reputation for reliability that is unsurpassed in the industry.

*Warranty return rate through October 2007

Built to last

Tetra Power White is designed for rugged handling and rough service conditions. This durable LED system is resistant to impact and vibration, eliminating breakage that can be associated with glass tubes during shipping and handling. The overmolded design keeps out elements like dust and moisture that can cause product failure.

Tetra Power White provides the reliability every retailer, office and commercial building owner expects from a high-performance signage solution, and it's backed by a 4-year limited warranty.

Valued Savings

Great for your bottom line... and environmentally conscious

Tetra Power White is a cost effective solution for bright white applications—efficiently delivering more lumens per watt for your overall dollar. This RoHS compliant system contains no lead, mercury or glass, so handling and disposal are less of a concern. Plus, the long life and reduced maintenance costs add up to a better value you can really take to the bank.



a product of
ecomaginationSM

Simple Installation

Reduces labor and material costs

Sign fabricators, installers and owners can all profit from simplified assembly and installation. Easy-to-install Tetra Power White incorporates convenient, time saving design features and reduces complex wiring. Longer LED loading capabilities reduce the number of power supplies needed, lowering labor and material costs. These combined savings bring greater affordability and value to customers every step of the way.

Even estimating is simple

Tetra Power White makes estimating the right amount of product you need less time consuming. The number of strokes required is based on the width of your channel letter.

Stroke Width	# Strokes
< 152 mm (6 inches)	1
152-254 mm (6-10 inches)	2
254-381 mm (10-15 inches)	3

Based on channel letter depth of 127 mm (5 inches)

Flexible options to fit your needs

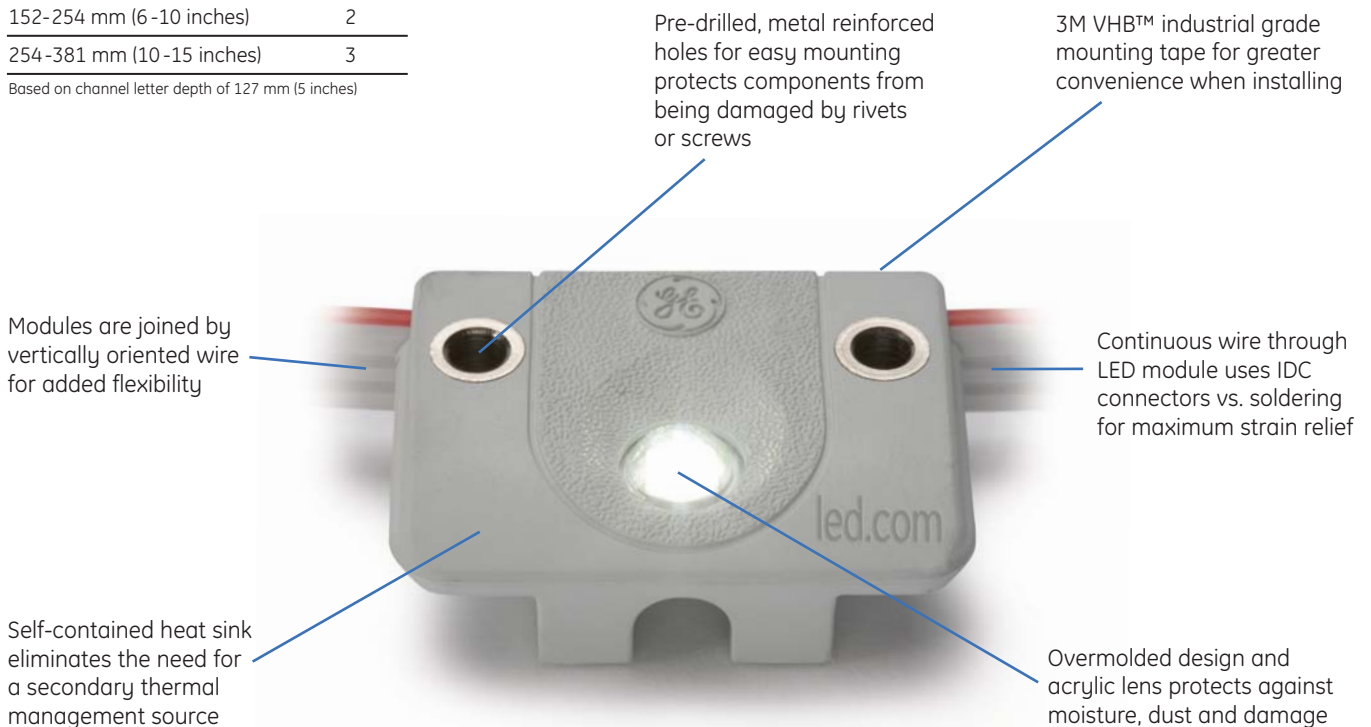
The Tetra Power White LED System offers two choices to fit your unique application needs:

Tetra Power White

Run up to 10.36m (34 feet) across four power supply banks; 1 module cutting resolution

Tetra Power White XL

Continuously run 7.77m (25.5 feet) on a single power supply bank; 277-volt power source option



Components

SKU	Description	Quantity
GEWPHS2-65K	Tetra Power White ~7 LEDs/m (2 LEDs/ft)	15.24 m (50 ft) per spool (100 LED modules per spool)
GEWHXS2-65K	Tetra Power White XL ~7 LEDs/m (2 LEDs/ft)	15.09 m (49.5 ft) per spool (99 LED modules per spool)
GECLPSPH	Power Supply: Input: 96-264VAC, Output: 4VDC/78W	12 power supplies
GEXLPS21	Power Supply: Input: 108-264VAC, Output: 12VDC/60W	10 power supplies
GEXLPS21-U	Power Supply: Input: 108-305VAC, Output: 12VDC/60W	10 power supplies
GECLC1	2.08 mm ² (14 AWG) end caps	100 per bag
GECLSW1	2.08 mm ² (14 AWG) supply wire	152.40 m (500 ft) per spool
GECLSC2	2.08 mm ² (14 AWG) splice connector	50 per bag
GECLWM1	Wire mounting clips	100 per bag

Product samples are available. Contact your sales representative for further details.

Product Specifications

Specification Item	Tetra Power White	Tetra Power White XL
Typical Brightness	66 lm/module	66 lm/module
Color Temperature	White: 6500K	White: 6500K
Viewing Angle	120°	120°
Cutting Resolution	Cut between any module	Cut every three modules
Module Dimensions	LxWxH: 42 mm x 30 mm x 15 mm (1.65 in x 1.18 in x 0.6 in)	LxWxH: 42 mm x 30 mm x 15 mm (1.65 in x 1.18 in x 0.6 in)
Sign Dimensions	For best results, recommended sign depth is 127 mm (5 inches) or greater	For best results, recommended sign depth is 127 mm (5 inches) or greater
Operating Environment	-40 °C to +65 °C	-40 °C to +65 °C
Power Supply	GECLPSPH	GEXLPS21 & GEXLPS21-U
Loading per Power Supply	Minimum: 8 modules per power supply Maximum: 68 modules (10.36 m or 34 ft) per power supply; 17 modules (2.59 m or 8.5 ft) per output bank	Minimum: 9 modules per power supply Maximum: 51 modules (7.77 m or 25.5 ft) per power supply
Supply Wire Limits*	0.30-3.05 m (1-10 ft)	0.30-6.10 m (1-20 ft) for 2.08 mm ² (14 AWG) supply wire—GECLSW1 0.30 -12.19 m (1-40 ft) for 3.31 mm ² (12 AWG) supply wire 0.30-22.86 m (1-75 ft) for 5.27 mm ² (10 AWG) supply wire
*Wiring to be installed in accordance with Article 725 of the National Electric Code (NEC).		
Energy Consumption	Strip: 1.01 W/module System: 1.43 W/module	Strip: 0.98 W/module System: 1.17 W/module
Limited Warranty	4 years on LED strip, 5 years on power supply	4 years on LED strip, 5 years on power supply
System Certifications	IP66 rated: separate enclosure required, damp location rated	



6180 Halle Drive • Valley View, Ohio 44125-4635 • USA
 P: 216.606.6555 • F: 216.606.6599 • www.led.com • info@led.com

For customer service & technical support, contact:
1-216-606-6515

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