

Tetra[®] PowerStrip

LED Lighting System

Replaces fluorescent tubes in single
and double-sided box signs



Tetra® PowerStrip

Energy efficient replacement for fluorescent tubes

Tetra PowerStrip and **Tetra PowerStrip DS** from GE Lighting Solutions are the innovative LED systems that replace fluorescent tubes in box signs resulting in reduced energy costs, improved uniformity and lower maintenance expenses.

Tetra PowerStrip is our 12 Volt LED system for single-sided box signs, and **Tetra PowerStrip DS** is our 24 Volt LED system for double-sided box signs.

Box Signs have never been easier to install

Tetra PowerStrip is a low-voltage lighting system that does not require the construction of sockets for mounting. The easy-to-handle system eliminates the handling of fragile glass tubes and can be cut between modules for easy installation in new or retrofit signs of any size.

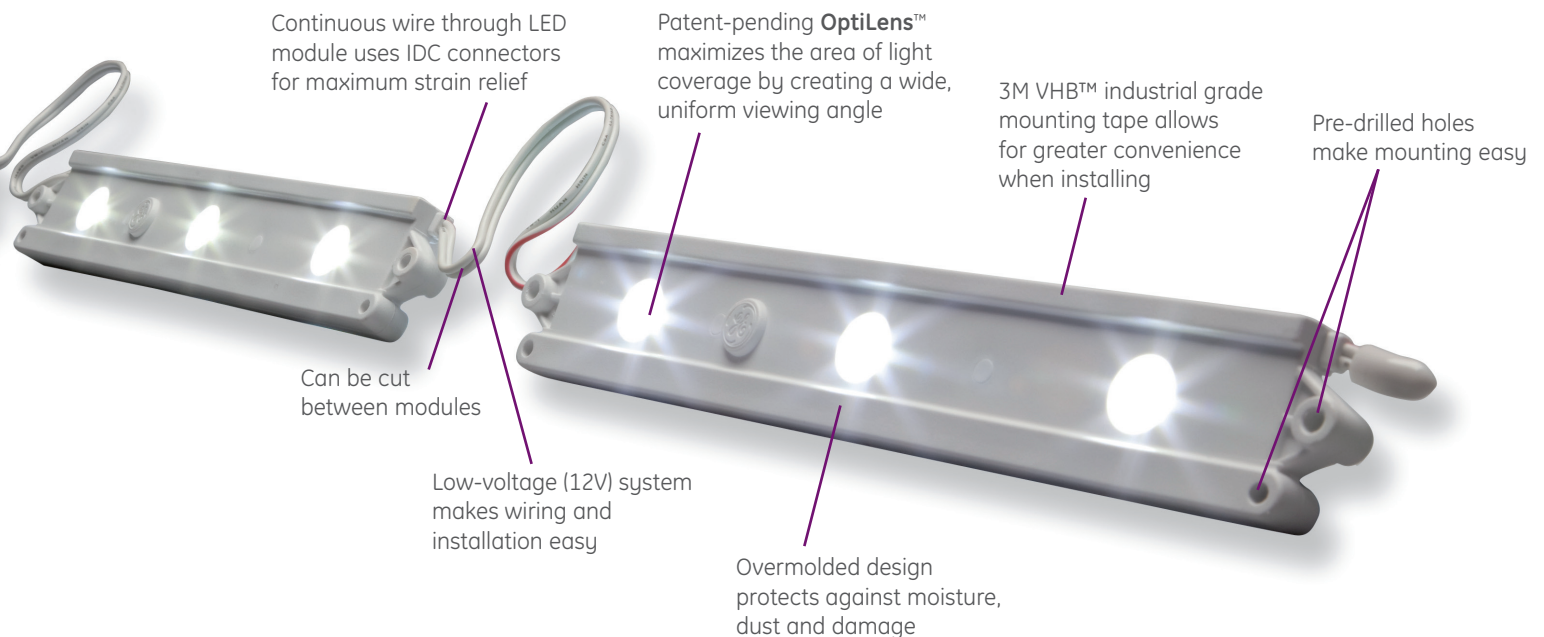
LED Benefits Drive Sales

Tetra PowerStrip has the potential to increase sales by offering valued benefits for end-user driven projects. This LED system is a cost effective investment for sign owners who are conscious about their energy and maintenance costs, brand image and environmental impact.

Tetra PowerStrip drastically slashes energy costs by offering up to 79% energy savings over T12HO fluorescent while providing better light consistency across the sign face. This lighting system delivers uniform light up to 4 times longer than fluorescent. This long life drastically reduces maintenance costs while protecting brand image, and it's all backed up with a 5 year limited warranty. The RoHS compliant system contains no lead, mercury or glass making handling and disposal less of a concern.

Tetra® PowerStrip

- Single-sided LED system
- 12 Volt System
- Pre-drilled holes and industrial grade mounting tape for easy install



GE Reliability

Only GE Lighting Solutions has the depth of experience that comes from supplying over 20 million feet of Tetra LED lighting systems across the globe. Every Tetra product is backed with a reputation for reliability that is unsurpassed in the industry. We perform stringent testing of the entire system-utilizing GE Six Sigma standards-rather than just pass on supplier reported performance claims.

The OptiLens™ Difference

Tetra PowerStrip features **OptiLens™**, an innovative technology that maximizes LED performance. This patent-pending optical lens helps spread light exactly where it's needed most, resulting in bright, uniform light distribution across the entire sign face. Tetra PowerStrip with OptiLens provides over 20% greater surface area coverage than just LEDs alone. The superior brightness and uniformity that this LED system provides enhances and protects brand image through better looking signs.

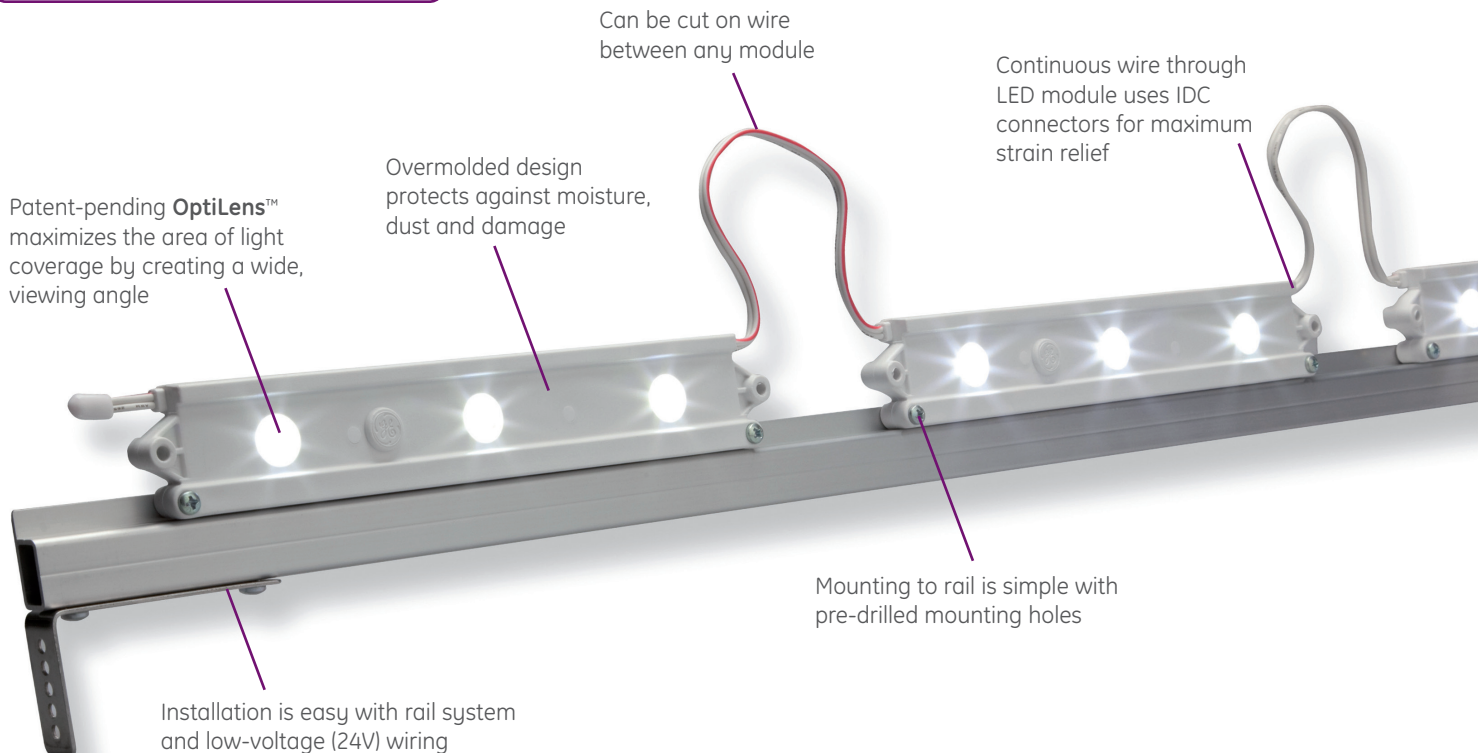
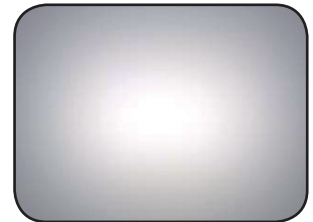
Tetra® PowerStrip DS

- Double-sided LED system
- 24 Volt System
- Can be custom cut to length

Tetra PowerStrip
without OptiLens



Tetra PowerStrip
with OptiLens



Components

SKU	Description	Package Quantity
GEWHSSPS3	Tetra PowerStrip 7100K	48 modules
GEWHSSPS3-50K	Tetra PowerStrip 5000K	48 modules
GEWHSSPS3-41K	Tetra PowerStrip 4100K	48 modules
GEWHSSPS3	Tetra PowerStrip 3200K	48 modules
GEWHDSPS6	Tetra PowerStrip DS 7100K	32 modules
GEWHDSPS6-50K	Tetra PowerStrip DS 5000K	32 modules
GEWHDSPS6-41K	Tetra PowerStrip DS 4100K	32 modules
GEWHDSPS6	Tetra PowerStrip DS 3200K	32 modules
9409	18 AWG Supply Wire (0.82 mm ²)	500 ft./spool (152.4 m)
191600041	22-14 AWG Twist-On Wire Connectors (0.33 – 2.08 mm ²)	500/PK
192160004	18-14 AWG In-line Connectors (IDC) (0.82 – 2.08 mm ²)	500/PK
GETMEC1	18 AWG Wire End Caps (0.82 mm ²)	100/PK
GEDSRL08	Tetra Mounting Rail	8 Rails
GEDSLB1	Tetra Mounting Rail Assembly Bracket	20/PK

Technical Specifications

Specification Item	Tetra PowerStrip	Tetra Powerstrip DS
Color Temperatures	7100K, 5000K, 4100K, 32000K	7100K, 5000K, 4100K, 32000K
Typical Brightness (lumens/module)	7100K, 5000K: 267 lm/module 4100K, 3200K: 200 lm/module	7100K, 5000K: 534 lm/module 4100K, 3200K: 400 lm/module
Viewing Angle	140°	140°
Length of Wire Between Modules	3.7 inches (95mm)	7.7 inches (196mm)
Cutting Resolution	Cut on wire between every module	Cut on wire between every module
Power Supply	GEPS12-20 Input: 90-264VAC; Output: 12VDC GEPS12-60 Input: 90-264VAC; Output: 12VDC GEPS12-60U Input: 108-305VAC; Output: 12VDC GEPS12D-60U Input: 90-305VAC; Output: 12VDC GEPS12-180U Input: 90-305VAC; Output: 12VDC	GEPS24-20 Input: 90-264VAC; Output: 24VDC GEPS24-80 Input: 108-264VAC; Output: 24VDC GEPS24-100U Input: 108-305VAC; Output: 24VDC GEPS24W-80 Input: 90-264VAC; Output: 24VDC GEPS24-180U Input: 90-305VAC; Output: 24VDC
Loading per Power Supply	20W Power Supply: 5 Modules 60W Power Supply: 16 Modules 180W Power Supply: 16 Modules per output bank; 48 Modules per Power Supply	20W Power Supply: 3 Modules 80W Power Supply: 12 Modules 100W Power Supply: 16 Modules 180W Power Supply: 14 Modules per output bank; 28 Modules per Power Supply
Maximum Supply Wire Limits	60W, 80W, 100W, 180W 20 ft. (6.1 m) 25 ft. (7.6 m) 35 ft. (10.6 m) 40 ft. (12.1 m) <i>Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).</i>	Supply Wire Gauge 18 AWG (0.82 mm ²) (9409) 16 AWG (1.31 mm ²) 14 AWG (2.08 mm ²) 12 AWG (3.31 mm ²)
Module Dimensions	0.60 x 8.82 x 1.14 inches (15 x 224 x 29 mm)	0.63 x 8.82 x 1.34 inches (16 x 224 x 34 mm)
Sign Dimensions	For best results, recommended sign depth is 5 inches (127mm) or greater	For best results, recommended sign depth is 10 inches (254mm) or greater
Energy Consumption	Strip: 3.13 with module System: 3.58 with module	Strip: 6.24 with module System: 7.14 with module
Warranty	GE offers a limited system warranty of up to five (5) years	GE offers a limited system warranty of up to five (5) years
System Certifications	UL Recognized #E219167, UL Classified #E229508, CSA Approved #216319, CE, C-tick, RoHS, IP66 rated: separate enclosure required, damp location rated	



MINNESOTA
800-328-6592

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800-824-2468

COLORADO
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