

Tetra[®] PowerStrip

LED Lighting System

Lighting solutions for single and double-sided cabinet signs



Tetra® PowerStrip

Energy efficient solutions for cabinet signs

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

Tetra PowerStrip and **Tetra PowerStrip High Output** are now a 24 Volt LED system for both single sided and double sided cabinet signs.

Tetra® PowerStrip

- Single and Double-sided LED system
- SS contains 7 LEDs, DS contains 14 LEDs
- 24 Volt System
- Pre-drilled holes and industrial grade mounting tape for easy install

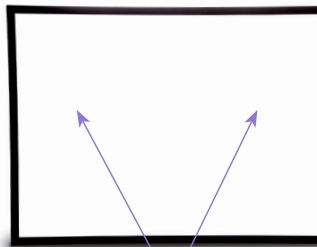
Tetra® PowerStrip High Output

- Single and Double-sided LED system
- SS contains 14 LEDs, DS contains 28 LEDs
- 24 Volt System
- Rail can be custom cut to length

The OptiLens™ Difference

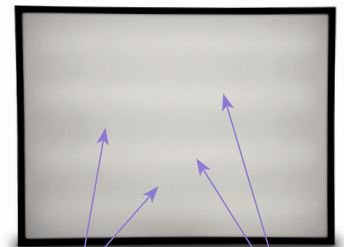
Tetra PowerStrip features **OptiLens™**, an innovative technology that maximizes LED performance. This patent-pending optical lens helps spread light exactly where it's needed most, resulting in bright, uniform light distribution across the entire sign face. Tetra PowerStrip with OptiLens provides over 20% greater surface area coverage than just LEDs alone. We have added **more LED's** to improve **uniformity**.

Tetra PowerStrip



Even Illumination

Fluorescent T8



Shadows

Striping

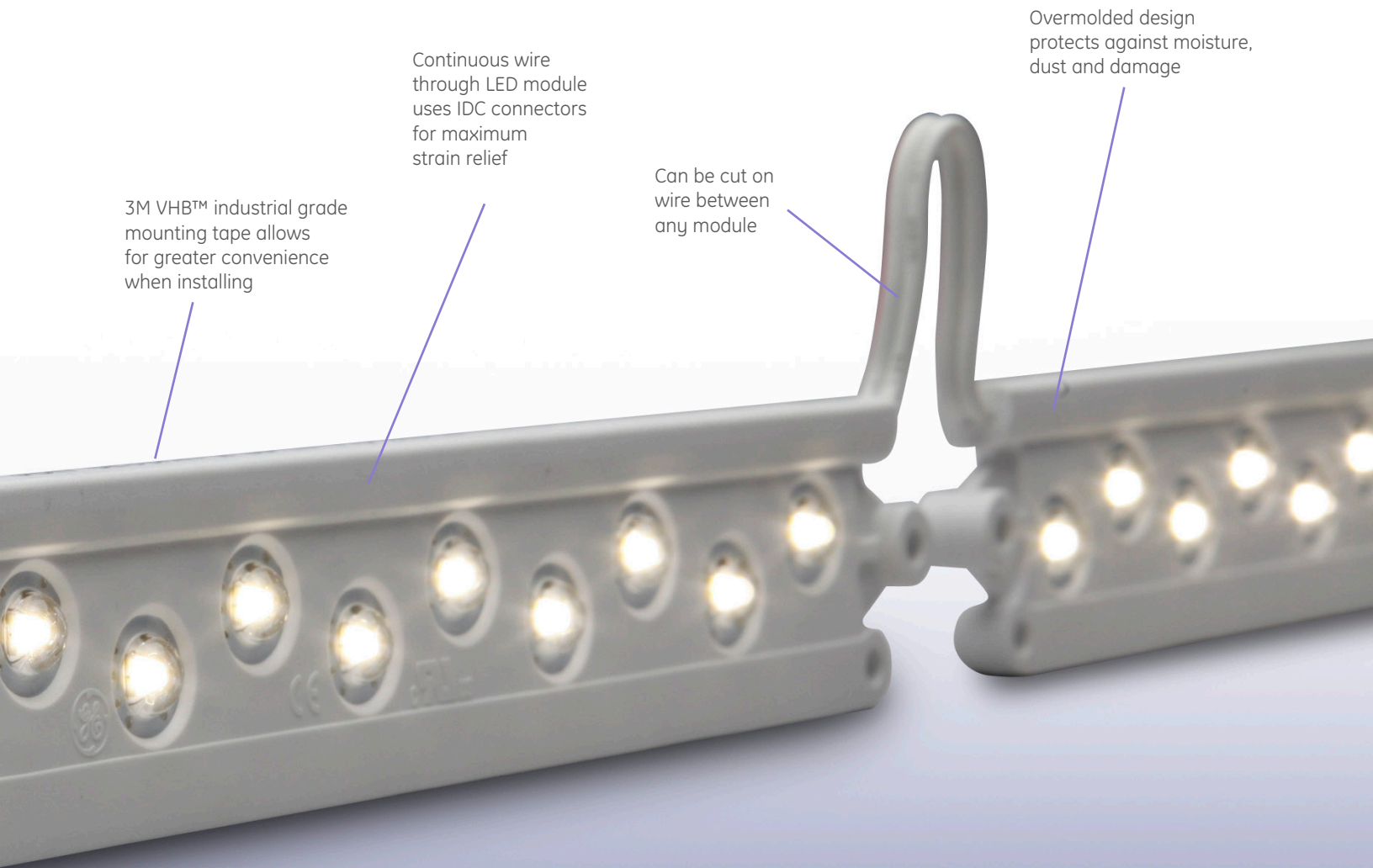
Patent-pending **OptiLens™** maximizes the area of light coverage by creating a wide, viewing angle

Low-voltage 24V wiring



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.



3M VHB™ industrial grade mounting tape allows for greater convenience when installing

Continuous wire through LED module uses IDC connectors for maximum strain relief

Can be cut on wire between any module

Overmolded design protects against moisture, dust and damage

Components

SKU	Description	Package Quantity
GESS2471-2	Tetra PowerStrip 7100K	48 Modules
GESS2450-2	Tetra PowerStrip 5000K	48 Modules
GESS2441-2	Tetra PowerStrip 4100K	48 Modules
GESS2432-2	Tetra PowerStrip 3200K	48 Modules
GEDS71-2	Tetra PowerStrip DS 7100K	32 Modules
GEDS50-2	Tetra PowerStrip DS 5000K	32 Modules
GEDS41-2	Tetra PowerStrip DS 4100K	32 Modules
GEDS32-2	Tetra PowerStrip DS 3200K	32 Modules
GESS24H71-1	Tetra PowerStrip High Output 7100K	48 Modules
GESS24H50-1	Tetra PowerStrip High Output 5000K	48 Modules
GESS24H41-1	Tetra PowerStrip High Output 4100K	48 Modules
GESS24H32-1	Tetra PowerStrip High Output 3200K	48 Modules
GEDSH71-2	Tetra PowerStrip DS High Output 7100K	32 Modules
GEDSH50-2	Tetra PowerStrip DS High Output 5000K	32 Modules
GEDSH41-2	Tetra PowerStrip DS High Output 4100K	32 Modules
GEDSH32-2	Tetra PowerStrip DS High Output 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
GEDSRC1	Tetra Mounting Clip	8/PK

Technical Specifications

Specification Item	CCT	Typical Brightness (lumens/module)	Voltage	LEDs Module	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading	Viewing Angle
Tetra PowerStrip	7100K, 5000K	300	24V	7	2.52	2.96	36 Modules / 100W PS	27x80
	4100K, 3200K	300						
Tetra PowerStrip DS	7100K, 5000K	600	24V	14	5.04	5.93	16 Modules / 100W PS	27x80
	4100K, 3200K	600						
Tetra PowerStrip High Output	7100K, 5000K	368	24V	14	2.90	3.41	30 Modules / 100W PS	140°
	4100K, 3200K	344						
Tetra PowerStrip DS High Output	7100K, 5000K	735	24V	28	5.80	6.82	16 Modules / 100W PS	140°
	4100K, 3200K	687						

Specification Item	Tetra PowerStrip																		
Cutting Resolution	Cut on wire between every module																		
Power Supply	GEPS24-25U-NA Input: 90-264VAC; Output: 24VDC GEPS24D-80U Input: 90-305VAC; Output: 24VDC GEPS24-100-NA Input: 108-305VAC; Output: 24VDC GEPS24-100-GL Input: 108-305VAC; Output: 24VDC GEPS24-180U Input: 90-305VAC; Output: 24VDC																		
Maximum Supply Wire Limits	<table border="1"> <thead> <tr> <th>Power</th> <th>25W</th> <th>Supply Wire Gauge</th> </tr> </thead> <tbody> <tr> <td>60W, 80W, 100W, 180W</td> <td>25W</td> <td>Supply Wire Gauge</td> </tr> <tr> <td>20 ft. (6.1 m)</td> <td>120 ft. (36.6 m)</td> <td>18AWG/0.82mm² supply wire - 9409</td> </tr> <tr> <td>25 ft. (7.6 m)</td> <td></td> <td>16AWG/1.31mm² supply wire</td> </tr> <tr> <td>35 ft. (10.6 m)</td> <td></td> <td>14AWG/2.08mm² supply wire</td> </tr> <tr> <td>40 ft. (12.1 m)</td> <td></td> <td>12AWG/3.31mm² supply wire</td> </tr> </tbody> </table> <p><i>Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).</i></p>	Power	25W	Supply Wire Gauge	60W, 80W, 100W, 180W	25W	Supply Wire Gauge	20 ft. (6.1 m)	120 ft. (36.6 m)	18AWG/0.82mm ² supply wire - 9409	25 ft. (7.6 m)		16AWG/1.31mm ² supply wire	35 ft. (10.6 m)		14AWG/2.08mm ² supply wire	40 ft. (12.1 m)		12AWG/3.31mm ² supply wire
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Operating Environment	-40 °C to +60 °C																		
Module Dimensions (h x l x w)	<table border="1"> <tbody> <tr> <td>Tetra PowerStrip: 0.33 x 1.12 x 9.30 in. (8.4 x 28.5 x 236 mm)</td> <td>Tetra PowerStrip High Output: 0.47 x 9.29 x 1.12 in. (12 x 29 x 236 mm)</td> </tr> <tr> <td>Tetra PowerStrip DS: 0.34 x 1.30 x 9.17 in. (8.6 x 33 x 232.9 mm)</td> <td>Tetra PowerStrip DS High Output: 0.55 x 8.98 x 1.32 in. (14 x 34 x 228 mm)</td> </tr> </tbody> </table>	Tetra PowerStrip: 0.33 x 1.12 x 9.30 in. (8.4 x 28.5 x 236 mm)	Tetra PowerStrip High Output: 0.47 x 9.29 x 1.12 in. (12 x 29 x 236 mm)	Tetra PowerStrip DS: 0.34 x 1.30 x 9.17 in. (8.6 x 33 x 232.9 mm)	Tetra PowerStrip DS High Output: 0.55 x 8.98 x 1.32 in. (14 x 34 x 228 mm)														
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Warranty	GE offers a limited system warranty of up to five (5) years																		
System Certifications	UL Recognized #E219167, UL Classified #E229508, CE, RCM, RoHS.																		



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