

GE  
Lighting Solutions

# Tetra<sup>®</sup> miniStrip

LED Lighting System

The perfect fit for *shallow* cabinet signs.



imagination at work

# Tetra® miniStrip & Tetra® miniStrip DS

Remarkable performance plus reduced installation costs

New Tetra miniStrip and miniStrip DS are designed specifically for shallow box signs.

Tetra miniStrip is ideal for single-sided signs with a 3 to 6 inch can depth, while Tetra miniStrip DS is perfect for double-sided signs with a 6 to 12 inch can depth.

Tetra miniStrip produces money-saving advantages over T8 fluorescent tubes while delivering outstanding visual performance that protects end-user brand image.

Transform your shallow cabinet signs into better looking, better performing images for your business with new Tetra miniStrip and miniStrip DS.



## NEW! Maximized brightness solutions.

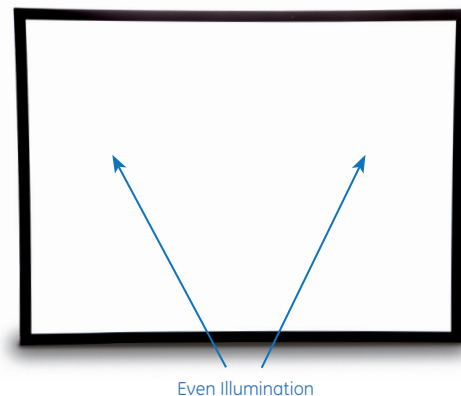
When brightness matters most, **Tetra miniStrip High Output** and **Tetra miniStrip DS High Output** deliver 25% more light than standard Tetra, commanding attention to your customer's brand image.

With new Tetra High brightness LED solutions for box signs you can now use wider stroke spacing to reduce the amount of product needed and build your sign more economically.

## The OptiLens™ Difference.

Tetra miniStrip uses GE's patented lens technology, OptiLens™ which captures otherwise wasted light and redirects it towards the illuminated surface to create an exceptionally uniform sign.

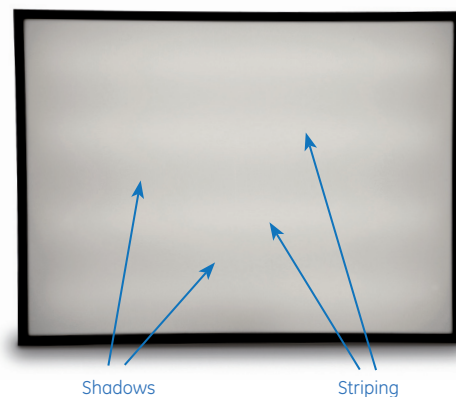
Tetra miniStrip



Even Illumination

T8 fluorescent tubes can create an unwanted "striping" effect where the space between the tubes appears darker. This visual distraction sends the wrong message about your business, and undermines your overall brand image.

Fluorescent T8



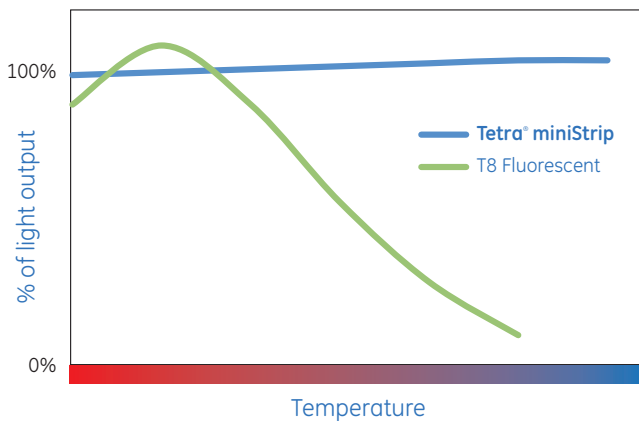
Shadows

Striping

# Don't settle for the *performance limitations* of T8 Fluorescent tubes.

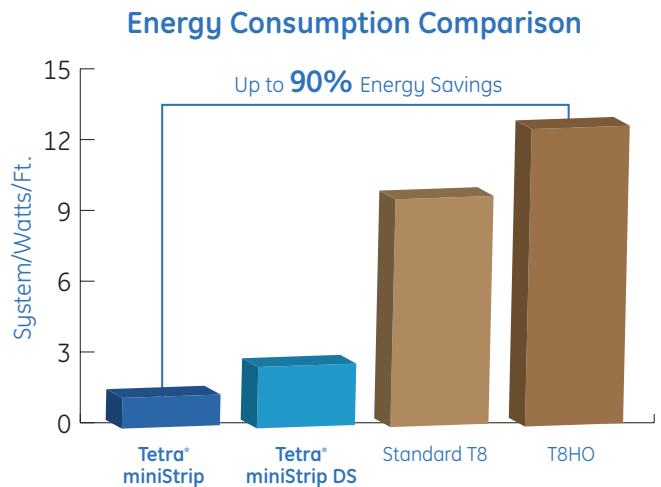
## Cold weather concerns.

A T8 fluorescent sign can drop in brightness as the temperature decreases. The LED technology in Tetra miniStrip experiences no drop in performance under the same conditions, protecting the integrity of your brand.



## Impressive Energy Savings.

When you make the switch from T8 fluorescent tubes to the advanced technology of Tetra miniStrip, you give up some brightness for the exceptional uniformity and impressive energy savings of LED. Versus T8, Tetra miniStrip saves up to 90% and with Tetra miniStrip DS the savings is up to 79%. Imagine the positive impact that will have on your bottom-line over the long life of the system.



## Components

SKU	Description	Package Quantity
GEWHBSP3	Tetra miniStrip 7100K	48 Modules
GEWWBSP3-50K	Tetra miniStrip 5000K	48 Modules
GEWWBSP3-41K	Tetra miniStrip 4100K	48 Modules
GEWWBSP3	Tetra miniStrip 3200K	48 Modules
GEWHBDP6	Tetra miniStrip DS 7100K	32 Modules
GEWWBDP6-50K	Tetra miniStrip DS 5000K	32 Modules
GEWWBDP6-41K	Tetra miniStrip DS 4100K	32 Modules
GEWWBDP6	Tetra miniStrip DS 3200K	32 Modules
GEBSH71-1	Tetra miniStrip High Output 7100K	48 Modules
GEBSH50-1	Tetra miniStrip High Output 5000K	48 Modules
GEBSH41-1	Tetra miniStrip High Output 4100K	48 Modules
GEBSH32-1	Tetra miniStrip High Output 3200K	48 Modules
GEBDH71-1	Tetra miniStrip DS High Output 7100K	32 Modules
GEBDH50-1	Tetra miniStrip DS High Output 5000K	32 Modules
GEBDH41-1	Tetra miniStrip DS High Output 4100K	32 Modules
GEBDH32-1	Tetra miniStrip DS High Output 3200K	32 Modules
9409	18 AWG Supply Wire (0.82 mm <sup>2</sup> )	500 ft./spool (152.4 m)
191600041	22-14 AWG Twist-On Wire Connectors (0.33 - 2.08 mm <sup>2</sup> )	500/PK
192160004	18-14 AWG In-line Connectors (IDC) (0.82 - 2.08 mm <sup>2</sup> )	500/PK
GEDSRL08	Tetra Mounting Rail	8 Rails
GEDSLB1	Tetra Mounting Rail Assembly Bracket	20/PK

## Technical Specifications

Specification Item	Wavelength	Typical Brightness (lumens/module)	LEDs/Module	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading	Viewing Angle
Tetra miniStrip	7100K, 5000K	96	3	1.10	1.26	53 Modules / 60W PS	140°
	4100K, 3200K	72					
Tetra miniStrip DS	7100K, 5000K	192	6	2.20	2.51	39 Modules / 100W PS	140°
	4100K, 3200K	144					
Tetra miniStrip High Output	7100K, 5000K	120	3	1.49	1.70	38 Modules / 60W PS	140°
	4100K, 3200K	90					
Tetra miniStrip DS High Output	7100K, 5000K	240	6	2.98	3.41	30 Modules / 100W PS	140°
	4100K, 3200K	180					

Specification Item	Tetra miniStrip															
Cutting Resolution	Cut on wire between every module															
Power Supply	GEPS12-20 Input: 90-264VAC; Output: 12VDC GEPS12-60-NA Input: 108-305VAC; Output: 12VDC GEPS12-60-GL Input: 108-305VAC; Output: 12VDC GEPS12W-60 Input: 90-264VAC; Output: 12VDC GEPS12D-60U Input: 108-305VAC; Output: 12VDC GEPS12-180U Input: 90-305VAC; Output: 12VDC GEPS24-20 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="0"> <tr> <td><b>60W,80W, 100W,180W</b></td> <td><b>20W</b></td> <td><b>Supply Wire Gauge</b></td> </tr> <tr> <td>20 ft. (6.1 m)</td> <td>120 ft. (36.6 m)</td> <td>18AWG/0.82mm<sup>2</sup> supply wire - 9409</td> </tr> <tr> <td>25 ft. (7.6 m)</td> <td></td> <td>16AWG/1.31mm<sup>2</sup> supply wire</td> </tr> <tr> <td>35 ft. (10.6 m)</td> <td></td> <td>14AWG/2.08mm<sup>2</sup> supply wire</td> </tr> <tr> <td>40 ft. (12.1 m)</td> <td></td> <td>12AWG/3.31mm<sup>2</sup> supply wire</td> </tr> </table> Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).	<b>60W,80W, 100W,180W</b>	<b>20W</b>	<b>Supply Wire Gauge</b>	20 ft. (6.1 m)	120 ft. (36.6 m)	18AWG/0.82mm <sup>2</sup> supply wire - 9409	25 ft. (7.6 m)		16AWG/1.31mm <sup>2</sup> supply wire	35 ft. (10.6 m)		14AWG/2.08mm <sup>2</sup> supply wire	40 ft. (12.1 m)		12AWG/3.31mm <sup>2</sup> supply wire
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Operating Environment	-40 °C to +60 °C															
Module Dimensions (h x l x w)	Tetra miniStrip & Tetra miniStrip High Output: 0.51 x 1.10 x 7.87 in. (13 x 28 x 200 mm) Tetra miniStrip DS & Tetra miniStrip DS High Output: 0.59 x 1.10 x 7.87 in. (15 x 28 x 200 mm)															
Sign Dimensions	For best results, recommended sign depth is 3 inches (76 mm) or greater For best results, recommended sign depth is 6 inches (152 mm) or greater															
Warranty	GE offers a limited system warranty of up to five (5) years															
System Certifications	IP66 rated: separate enclosure required, damp location rated															



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