Cabinet sign lighting systems

Visibly Better

Tetra® PowerStrip

GE current
a Daintree company

The OptiLens™ Difference

Tetra® PowerStrip features OptiLens™, an innovative technology that maximizes LED performance. This patented optical lens directs 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, thanks to the additional LEDs we've added.

Energy efficient solutions for cabinet signs

Tetra® PowerStrip and **Tetra® PowerStrip High Output** from are 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 offered in configurations for single- and double-sided cabinet signs.
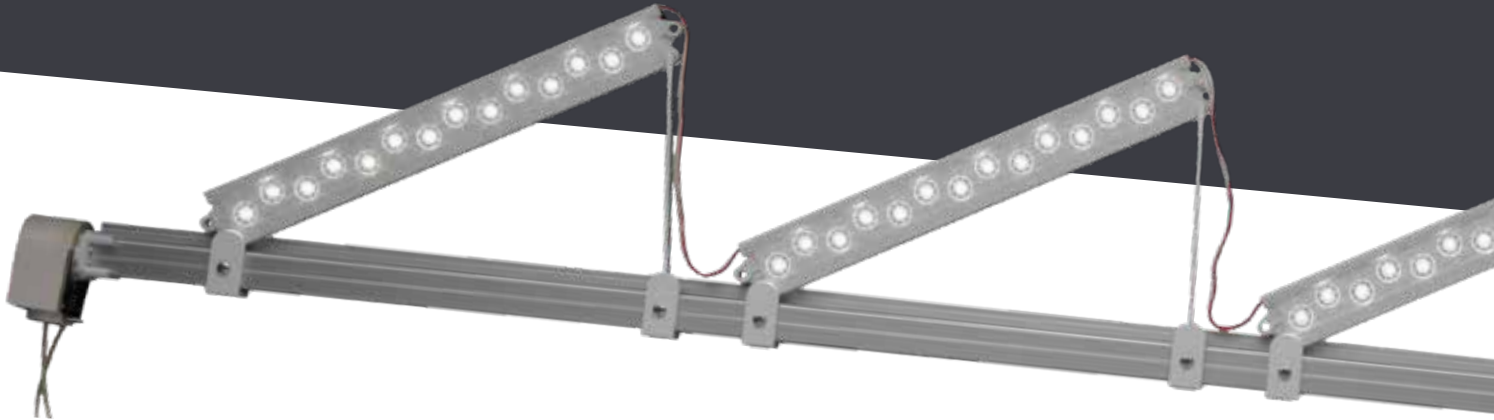
Tetra® PowerStrip

• Single and double-sided LED system

• SS contains 7 LEDs, DS contains 14 LEDs

• 24 Volt platform

• Pre-drilled holes and industrial grade mounting tape for easy install

Tetra® PowerStrip High Output

• Single and double-sided LED system

• SS contains 7 LEDs, DS contains 14 LEDs

• 24 Volt platform

• Rail can be custom cut to length

Total Reliability

Only Current has the depth of experience that comes from supplying over 80 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 Six Sigma standards, rather than just passing on supplier reported performance claims.

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 mm2)	500 ft./spool (152.4 m)
191600041	22-14 AWG Twist-On Wire Connectors (0.33 – 2.08 mm2)	500/PK
192160004	18-14 AWG In-line Connectors (IDC) (0.82 – 2.08 mm2)	500/PK
GETMEC1	18 AWG Wire End Caps (0.82 mm2)	100/PK
GEDSRL08	Tetra Mounting Rail	8 Rails
GEDSLB1	Tetra Mounting Rail Assembly Bracket	20/PK
GEDSRC1	Tetra Mounting Clip	8/PK

Tetra® PowerStrip

Technical Specifications

Model	Wavelength/CCT	Typical Brightness Lumens/module	Voltage	LEDs/Module	Energy Consumption Module Wattage	Energy Consumption System Wattage	100W Power Supply Loading	Viewing Angle
Tetra PowerStrip	7100K, 5000K 4100K, 3200K	300 300	24V	7	2.40	2.96	36 Modules	140°
Tetra PowerStrip DS	7100K, 5000K 4100K, 3200K	600 600	24V	14	4.80	5.93	18 Modules	140°
Tetra PowerStrip High Output	7100K, 5000K 4100K, 3200K	368 344	24V	7	2.88	3.46	30 Modules	140°
Tetra PowerStrip DS High Output	7100K, 5000K 4100K, 3200K	735 687	24V	14	5.76	6.92	15 Modules	140°

Additional Specifications

Dimmable	Yes (with dimmable power supply)
Cutting Resolution	Cut on wire between every module
Power Supply	GEPS24-25-NA Input: 100-305VAC; Output: 24VDC GEPS24D-80U Input: 90-305VAC; Output: 24VDC GEPS24-100U Input: 108-305VAC; Output: 24VDC GEPS24-200U Input: 90-305VAC; Output: 24VDC GEPS24-300U Input: 108-305VAC; Output: 24VDC

Maximum Supply Wire Limits	60W, 80W, 100W, 200W, 300W	25W	Supply Wire Gauge
	20 ft. (6.1 m)	120 ft. (36.6 m)	18AWG/0.82mm² supply wire - 9409
	25 ft. (7.6 m)		16AWG/1.31mm² supply wire
	35 ft. (10.6 m)		14AWG/2.08mm² supply wire
	40 ft. (12.1 m)		12AWG/3.31mm² supply wire
	Wiring to be installed in accordance with Article 725 of the National Electric code (NEC).		

Operating Environment	-40 °C to +60 °C (-40 °F to +140 °F)
Module Dimensions (h x l x w)	Tetra PowerStrip: 0.33 x 1.12 x 9.30 in. (8.4 x 28.5 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 High Output: 0.47 x 9.29 x 1.12 in. (12 x 29 x 236 mm) Tetra PowerStrip DS High Output: 0.55 x 8.98 x 1.32 in. (14 x 34 x 228 mm)
Can Depth	For best results, recommended can depth is 5 inches (127mm) or greater	For best results, recommended can depth is 10 inches (254mm) or greater
Warranty	Limited system warranty of up to five (5) years
System Certifications	UL Recognized (C-US) #E219167, UL Classified #E229508, CE, RCM, RoHS.