

GE
Lumination

2010 Tetra[®] LED Systems



imagination at work

Tetra® LED Systems

Tetra® miniMAX



Tetra miniMAX delivers brilliant light in channel letters as shallow as 1.5in. The patent-pending OptiLens™ promotes wide, 155-degree viewing angle and superior uniformity in the smallest of channel letters.

Applications — small channel letters

Available Colors — red, green, blue, white & warm white

Packaging — 30.48m/box

Tetra® MAX



Tetra MAX is our LED system designed for the easiest possible installation and operation. We simplified the entire system by eliminating binning, load balancing and allowing off-the-shelf components saving time and material costs.

Applications — medium channel letters

Available Colors — red, red-orange, amber, green, blue, white & warm white

Packaging — 30.48m/box

Tetra® Power White & Power White XL



Tetra Power White & Tetra Power White XL provides powerful performance in the biggest channel letter applications. This system provides brilliant white light across the entire sign face, filling every curve of the most demanding designs.

Applications — large channel letters and box signs

Available Colors — white & warm white

Packaging — Tetra Power White: 15.24 m/spool; Tetra Power White XL (~7 LEDs/m): 15.09 m/spool; Tetra Power White XL (~10 LEDs/m): 10.06 m/spool

Tetra® PowerStrip & PowerStrip DS



Tetra PowerStrip significantly reduces maintenance and energy costs by replacing fluorescent lighting in backlighting applications and box signs.

Applications — box signs

Available Colors — white & warm white

Packaging — Tetra PowerStrip: 48 modules per box

Tetra PowerStrip DS: 32 modules per box

Tetra® Contour LS



Tetra Contour LS is our linear neon replacement system that comes pre-assembled and ready-to-install; perfect for long run border lighting applications.

Applications — border lighting and accent lighting

Available Colors — red, green, blue & white

Packaging — 14.63 m/box

Tetra® Contour



Tetra Contour is our two-part neon replacement system that can be easily heated and formed into custom shapes and designs.

Applications — neon replacement and accent lighting

Available Colors — Light Engine: red, red-orange, amber, green, blue, white & warm white
Light Guide: red, orange, yellow, lime green, green, blue & white

Packaging — Tetra Contour light engines: red: 29.26 m/box; other colors: 14.63 m/box
Tetra Contour light guides: 29.26 m/box

Tetra® Quick Reference Guide

PRODUCT LINE	TARGET APPLICATION	APPLICATION DIMENSIONS	SKU	LED COLOR	WAVELENGTH/ COLOR TEMPERATURE
Tetra miniMAX	Channel Letters	13 mm Min. Depth 38 mm Min. Stroke Width	GERDMMS5	Red	625 nm
			GEGLMMS5	Blue	530 nm
			GEBLMMS5	Green	467 nm
			GEWHMMS5	White	6500K
			GEWWMMS5	Warm White	3200K
Tetra MAX	Channel Letters	19 mm Min. Stroke Width 127 mm Depth	GERDMXS6	Red	625 nm
			GERCMXS6	Red-Orange	618 nm
			GEYGMXS6	Amber	592 nm
			GEGLMXS6	Green	530 nm
			GEBLMXS6	Blue	467 nm
			GEWHMXS6	White	6500K
			GEWHMXWA5	White	6500K
			GEWWMXS6	Warm White	3200K
			GEWWMXWA5	Warm White	3200K
			GERDMXL6	Red	625 nm
			GERCMXL6	Red-Orange	618 nm
			Tetra Power White & Tetra Power White XL	Channel Letters	32 mm Min. Stroke Width 127 mm Min. Depth
GEWHXHS2-65K	White	6500K			
GEWWXHS2-32K	Warm White	3200K			
GEWWXHS3-32K	Warm White	3200K			
Tetra PowerStrip	Backlit Single-Sided Box Signs	127 mm Min. Depth	GEWHSSP3-65K	White	6500K
			GEWWSPP3-41K	Warm White	4100K
Tetra PowerStrip DS	Backlit Double-Sided Box Signs	254 mm Min. Depth	GEWHDSP6-65K	White	6500K
			GEWWDSP6-41K	Warm White	4100K
Tetra Contour LS	Border Lighting	15mm neon replacement	GERDXNLA2-RD	Red	625 nm
			GEGLXNLA2-GL	Green	532 nm
			GEBLXNLA2-BL	Blue	467 nm
			GEWHXNLA2-WH	White	6500K
			GERDXNAA2-RD	Red	625 nm
			GEGLXNAA2-GL	Green	532 nm
			GEBLXNAA2-BL	Blue	467 nm
			GEWHXNAA2-WH	White	6500K
Tetra Contour*	Border & Accent Lighting	15mm neon replacement	GERDXNLE1	Red	625 nm
			GERCXNLE1	Red-Orange	618 nm
			GEYAXNLE1	Amber	589 nm
			GEGLXNLE1	Green	532 nm
			GEBLXNLE1	Blue	467 nm
			GEWHXNLE1	White	6500K
			GEWXXNLE1	Warm White	3200K

* For light guides and accessories, reference the Tetra Contour Component Guide

LEDs PER MODULE	MODULES PER METER	VIEWING ANGLE	LUMENS PER MODULE (Typical)	LUMENS PER METER (Typical)	LIMITED WARRANTY	LED STRIP (Typical) POWER CONSUMPTION WATTS/MODULE	LED SYSTEM (Typical) POWER CONSUMPTION WATTS/MODULE
2	~8	155	10	84	5 year	0.624	0.749
2	~8	155	24	195	3 year	0.624	0.749
2	~8	155	7	56	3 year	0.624	0.749
2	~8	155	24	197	4 year	0.624	0.749
2	~8	155	20	164	4 year	0.624	0.749
2	~10	100	7	69	5 year	0.330	0.400
2	~10	105	6	59	5 year	0.330	0.400
2	~10	100	7	69	5 year	0.330	0.400
2	~10	100	14	138	3 year	0.330	0.400
2	~10	100	4	39	3 year	0.330	0.400
2	~10	105	14	138	4 year	0.330	0.400
2	~8	150	24	197	4 year	0.410	0.480
2	~10	110	12	118	4 year	0.330	0.400
2	~8	150	19	156	4 year	0.410	0.480
3	~7	100	11	69	5 year	0.330	0.400
3	~7	105	9	59	5 year	0.330	0.400
1	~7	110	66	433	4 year	1.013	1.432
1	~7	110	66	433	4 year	0.984	1.171
1	~7	110	48	315	4 year	0.984	1.171
1	~10	110	48	472	4 year	0.984	1.171
3	3	135 Horz., 140 Vert.	249		4 year	2.44	2.92
3	3	135 Horz., 140 Vert.	201		4 year	2.44	2.92
6	3	135 Horz., 140 Vert.	498		4 year	4.87	5.73
6	3	135 Horz., 140 Vert.	402		4 year	4.87	5.73
		330		131	5 year	3.24	3.81
		330		262	3 year	2.88	3.39
		330		66	4 year	2.88	3.39
		330		243	4 year	2.88	3.39
		330		131	5 year	3.24	3.81
		330		262	3 year	2.88	3.39
		330		66	4 year	2.88	3.39
		330		243	4 year	2.88	3.39
		330		131	5 year	3.24	3.81
		330		105	5 year	3.24	3.81
		330		98	5 year	3.24	3.81
		330		262	3 year	2.88	3.39
		330		66	4 year	2.88	3.39
		330		207	4 year	2.88	3.39
		330		243	3 year	2.88	3.39

Power Supplies & Components

MODULE DIMENSIONS H x W x L (mm)	CUT RESOLUTION	POWER SUPPLY	SUPPLY WIRE	WIRE CONNECTOR	END CAP
9 x 12 x 46	Between every module	GEPS12-20, GEPS12-60 or GEPS12-60U	9409 (0.82 mm ²)	IDC Connector (192160005) or Twist-on Connector (191600041)	N/A
9 x 12 x 46	Between every module				
9 x 12 x 46	Between every module				
9 x 12 x 46	Between every module				
9 x 12 x 46	Between every module				
14 x 17 x 52	Between every module	GEPS12-20, GEPS12-60 or GEPS12-60U	9409 (0.82 mm ²)	IDC Connector (192160004) or Twist-on Connector (191600041)	GETMEC1
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 52	Between every module				
14 x 17 x 103	Between every module				
14 x 17 x 103	Between every module				
15 x 30 x 42	Between every module	GECLPSHA & GECLPSH			
15 x 30 x 42	Every 3 modules	GEXLPS21 or GEXLPS21-U	GECLSW1 (2.08 mm ²)	GECLSC2	GECLEC1
15 x 30 x 42	Every 3 modules				
15 x 30 x 42	Every 3 modules				
12 x 38 x 242	Between every module	GEPS12-20, GEPS12-60 or GEPS12-60U	9409 (0.82 mm ²)	IDC Connector (192160004) or Twist-on Connector (192160004)	GETMEC1
12 x 38 x 242	Between every module				
12 x 38 x 242	Between every module	GEPS24-20, GEPS24-80 or GEPS24-100U			
12 x 38 x 242	Between every module				
10 x 10 x 203	Cut between modules (203 mm)	GEPS24-20, GEPS24-80 or GEPS24-100U	9409 (0.82 mm ²)	Twist-on Connector (191600041)	N/A
10 x 10 x 203	Cut between modules (203 mm)				
10 x 10 x 203	Cut between modules (203 mm)				
10 x 10 x 203	Cut between modules (203 mm)				
10 x 10 x 406	On "Cut Here" markings (68 mm)				
10 x 10 x 406	On "Cut Here" markings (51 mm)				
10 x 10 x 406	On "Cut Here" markings (51 mm)				
10 x 10 x 406	On "Cut Here" markings (51 mm)				
10 x 10 x 413	On "Cut Here" markings (68 mm)	GEPS24-20, GEPS24-80 or GEPS24-100U	9409 (0.82 mm ²)	Twist-on Connector (191600041)	N/A
10 x 10 x 413	On "Cut Here" markings (68 mm)				
10 x 10 x 413	On "Cut Here" markings (68 mm)				
10 x 10 x 413	On "Cut Here" markings (51 mm)				
10 x 10 x 413	On "Cut Here" markings (51 mm)				
10 x 10 x 413	On "Cut Here" markings (51 mm)				
10 x 10 x 413	On "Cut Here" markings (51 mm)				

Tetra® Power Supplies

SKU	Description	Supports Tetra Products	Minimum Load	Maximum Load
GEPS12-20	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 90-264VAC	Tetra MAX	0.30 m (3 Modules)	5.18 m (51 Modules)
		Tetra MAX (GEWHMXWAS & GEWWMXMW5)	0.30 m (2 Modules)	5.18 m (42 Modules)
		Tetra MAX (GERDMXL6 & GERCMXL6)	0.30 m (2 Modules)	7.92 m (52 Modules)
		Tetra miniMAX	0.30 m (3 Modules)	3.66 m (30 Modules)
		Tetra PowerStrip	0.30 m (1 Module)	1.52 m ft. (5 Modules)
GEPS12-60	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 90-264VAC	Tetra MAX	0.30 m (3 Modules)	16.46 m (162 Modules)
		Tetra MAX (GEWHMXWAS & GEWWMXMW5)	0.30 m (2 Modules)	16.46 m (135 Modules)
		Tetra MAX (GERDMXL6 & GERCMXL6)	0.30 m (2 Modules)	24.38 m (160 Modules)
		Tetra miniMAX	0.30 m (3 Modules)	10.97 m (90 Modules)
		Tetra PowerStrip	0.30 m (1 Module)	4.88 m (16 Modules)
GEPS12-60U	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 108-305VAC	Tetra MAX	0.30 m (3 Modules)	16.46 m (162 Modules)
		Tetra MAX (GEWHMXWAS & GEWWMXMW5)	0.30 m (2 Modules)	16.46 m (135 Modules)
		Tetra MAX (GERDMXL6 & GERDMXL6)	0.30 m (2 Modules)	24.38 m (160 Modules)
		Tetra miniMAX	0.30 m (3 Modules)	10.97 m (90 Modules)
		Tetra PowerStrip	0.30 m (1 Module)	4.88 m (16 Modules)
GECLPSPHA	Damp-Rated; Self-Contained, Remote, or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 90-264VAC	Tetra Power White	0.30 m (1 Module)	2.60 m (17 Modules)
GECLPSPH	Damp-Rated; Self-Contained, Remote, or Raceway; 4 Output Banks; Class 2 Power Supply; Input Voltage: 90-265VAC	Tetra Power White	1.22 m (8 Modules)	10.3 m (68 Modules)
GEXLPS21	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 108-265VAC	Tetra Power White XL	1.37 m (9 Modules)	7.77 m (51 Modules)
		Tetra Power White XL (~10 LED/m)	0.91 m (9 Modules)	5.18 m (51 Modules)
GEXLPS21-U	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 108-305VAC	Tetra Power White XL	1.37 m (9 Modules)	7.77 m (51 Modules)
		Tetra Power White XL (~10 LED/m)	0.91 m (9 Modules)	5.18 m (51 Modules)
GEPS24-20	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 90-264VAC	Tetra PowerStrip DS	0.30 m (1 module)	0.91 m (3 modules)
		Tetra Contour	0.40 m	1.83 m
		Tetra Contour LS	0.20 m	1.83 m
GEPS24-80	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 108-264VAC	Tetra PowerStrip DS	0.30 m (1 module)	3.66 m (12 Modules)
		Tetra Contour	0.40 m	7.32 m
		Tetra Contour LS	0.20 m	7.32 m
GEPS24-100U	Damp Rated; Self-Contained, Remote or Raceway; 1 Output Bank; Class 2 Power Supply; Input Voltage: 108-305VAC	Tetra PowerStrip DS	0.30 m (1 module)	4.88 m (16 modules)
		Tetra Contour	0.40 m	9.14 m
		Tetra Contour LS	0.20 m	9.14 m

Technical Support

Our comprehensive in-house resources include installer training, technical drawings, energy calculation tools and private testing labs to ensure every product we sell meets stringent standards of excellence you can depend on. For more information visit us at www.lumination.com or call us at **1-888-MY-GE-LED**.



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