

Tetra[®] LED Lighting System

Loading Chart



LED signage lighting systems

Loading Chart



Tetra® White - 24V

Power Output	Configuration	PowerMAX HO *	PowerMAX	MAX	MiniMAX	MS
25W	–	17 modules/ 17 ft. (5.18 m)	25 modules/ 17 ft. (5.18 m)	33 modules/ 22 ft. (6.7 m)	58 modules/ 29 ft. (9.14 m)	90 modules/ 22.5 ft. (6.86 m)
80W	–	54 modules/ 54 ft. (16.46 m)	80 modules/ 53 ft. (16.15 m)	110 modules/ 73 ft. (22.35 m)	184 modules/ 92 ft. (28.95 m)	282 modules/ 70.5 ft. (21.49 m)
100W	–	64 modules/ 64 ft. (19.5 m)	96 modules/ 64 ft. (19.5 m)	130 modules/ 87 ft. (26.42 m)	220 modules/ 110 ft. (35.05 m)	340 modules/ 85 ft. (25.91 m)
180W	Per bank	60 modules/ 60 ft. (18.29 m)	90 modules/ 60 ft. (18.29 m)	120 modules/ 80 ft. (24.38 m)	210 modules/ 105 ft. (33.5 m)	320 modules/ 80 ft. (24.38 m)
	Per PS	120 modules/ 120 ft. (36.58 m)	180 modules/ 120 ft. (36.58 m)	240 modules/ 160 ft. (48.77 m)	420 modules/ 210 ft. (67.05 m)	640 modules/ 160 ft. (48.76 m)
300W	Per bank	64 modules/ 64 ft. (19.5 m)	96 modules/ 64 ft. (19.5 m)	130 modules/ 87 ft. (26.42 m)	220 modules/ 110 ft. (35.05 m)	340 modules/ 85 ft. (25.91 m)
	Per PS	192 modules/ ft. (58.52 m)	288 modules/ 192 ft. (58.52 m)	390 modules/ 260 ft. (79.25 m)	660 modules/ 330 ft. (105.15 m)	1020 modules/ 255 ft. (77.72 m)
Watts per module		1.2W/module	0.84W/module	0.62W/module	0.35W/module	0.24W/module

*N.B. Lengths provided are based on tied wire

Tetra® Colors - 24V

Power Output	Configuration	MAX Red	MAX Red HO	MAX Green	MAX Blue	MAX Amber	MiniMAX Red	MiniMAX Green	MiniMAX Blue
25W	–	47 modules/ 31.3 ft. (9.55 m)	29 modules/ 19.3 ft. (5.89 m)	28 modules/ 18.7 ft. (5.69 m)	31 modules/ 20.7 ft. (6.3 m)	56 modules/ 37.3 ft. (11.38 m)	64 modules/ 32 ft. (9.75 m)	37 modules/ 18.5 ft. (5.64 m)	40 modules/ 20 ft. (6.1 m)
80W	–	150 modules/ 100 ft. (30.48 m)	92 modules/ 61.3 ft. (18.69 m)	89 modules/ 59.3 ft. (18.08 m)	98 modules/ 65.3 ft. (19.91 m)	180 modules/ 120 ft. (36.58 m)	205 modules/ 102.5 ft. (31.24 m)	118 modules/ 59 ft. (17.98 m)	130 modules/ 65 ft. (19.81 m)
100W	–	180 modules/ 120 ft. (36.58 m)	110 modules/ 73.3 ft. (22.35 m)	107 modules/ 71.3 ft. (21.74 m)	118 modules/ 78.6 ft. (23.98 m)	210 modules/ 140 ft. (42.67 m)	240 modules/ 120 ft. (36.58 m)	142 modules/ 71 ft. (21.64 m)	155 modules/ 77.5 ft. (23.62 m)
180W	Per bank	168 modules/ 112 ft. (34.14 m)	103 modules/ 68.7 ft. (20.93 m)	100 modules/ 66.7 ft. (20.32 m)	110 modules/ 73.3 ft. (22.35 m)	200 modules/ 133.3 ft. (40.64 m)	228 modules/ 114 ft. (34.75 m)	132 modules/ 66 ft. (20.12 m)	146 modules/ 73 ft. (22.25 m)
	Per PS	336 modules/ 224 ft. (68.27 m)	206 modules/ 137.3 ft. (41.86 m)	200 modules/ 133.3 ft. (40.64 m)	220 modules/ 146.7 ft. (44.7 m)	400 modules/ 266.7 ft. (81.28 m)	456 modules/ 228 ft. (69.49 m)	264 modules/ 132 ft. (40.23 m)	292 modules/ 146 ft. (44.5 m)
300W	Per bank	180 modules/ 120 ft. (36.58 m)	110 modules/ 73.3 ft. (22.35 m)	107 modules/ 71.3 ft. (21.74 m)	118 modules/ 78.6 ft. (23.98 m)	210 modules/ 140 ft. (42.67 m)	240 modules/ 120 ft. (36.58 m)	142 modules/ 71 ft. (21.64 m)	155 modules/ 77.5 ft. (23.62 m)
	Per PS	540 modules/ 360 ft. (109.7 m)	330 modules/ 220 ft. (67 m)	321 modules/ 214 ft. (65.23 m)	354 modules/ 236 ft. (71.93 m)	630 modules/ 420 ft. (128 m)	720 modules/ 360 ft. (109.7 m)	426 modules/ 213 ft. (64.92 m)	465 modules/ 232.5 ft. (70.87 m)
Watts per module		0.456W/module	0.744W/module	0.768W/module	0.696W/module	0.384W/module	0.336W/module	0.576W/module	0.528W/module

Select TX™ Gen 2 - 12V

Power Output	Configuration	Select TX Gen 2 L	Select TX Gen 2 M	Select TX Gen 2 S	Select TX Gen 2 VS	Select TX Gen 2 Red	Select TX Gen 2 Blue	Select TX Gen 2 Green
60W	–	30 modules/ 20 ft. (6.1 m)	40 modules/ 26.7 ft. (8.13 m)	60 modules/ 35.3 ft. (10.76 m)	120 modules/ 48 ft. (14.63 m)	100 modules/ 66.67 ft. (20.32 m)	60 modules/ 40 ft. (12.19 m)	80 modules/ 53.33 ft. (16.26 m)
Watts per module		1.6W/Module	1.2W/Module	0.8W/Module	0.4W/Module	0.516W/Module	0.78W/Module	0.672W/Module

Tetra® Tape - 12V

Power Output	Configuration	Tetra Tape	Tetra Tape HO	Tetra Tape Red	Tetra Tape Green	Tetra Tape Blue
25W	–	4m/13 ft	2m/6.5 ft	5m/16.4 ft.	7m/23 ft.	4m/13 ft.
60W	–	10m/32 ft.	4m/13 ft.	12m/39 ft	15m/49 ft	10m/32 ft
180W	Per bank	10m/32 ft.	4m/13 ft.	12m/39 ft	15m/49 ft	10m/32 ft
	Per PS	30m/96 ft.	12m/39 ft	36m/117 ft	45m/147 ft	30m/96 ft
Watts per foot		1.37W/ft	3.3W/ft	1.06W/ft.	0.73W/ft	1.37W/ft.



Cabinet Signs

Tetra® PowerStrip - 24V

Power Output	Configuration	PowerStrip DS HO	PowerStrip SS HO	PowerStrip DS	PowerStrip SS
25W	–	3 modules	6 modules	4 modules	9 modules
80W	–	12 modules	22 modules	14 modules	30 modules
100W	–	16 modules	30 modules	18 modules	36 modules
180W	Per bank	14 modules	26 modules	16 modules	33 modules
	Per PS	28 modules	52 modules	32 modules	66 modules
300W	Per bank	16 modules	30 modules	18 modules	36 modules
	Per PS	48 modules	90 modules	54 modules	108 modules
Watts per module		5.9W/module	2.95W/module	5.04W/module	2.52W/module

Tetra® Stick SS - 24V

Stick length in inches

Power Output	Configuration	Stick length in inches														Number of sticks
		18	24	30	36	42	48	60	64	72	84	96	108	117	120	
80W	–	38	26	26	19	15	13	11	10	8	8	6	6	5	5	
100W	–	47	32	32	24	19	16	14	12	11	10	8	7	7	6	
180W	Per bank	43	29	29	21	17	15	12	11	10	9	7	7	6	6	
	Per PS	86	58	58	42	34	30	24	22	20	18	14	14	12	12	
300W	Per bank	47	32	32	24	19	16	14	12	11	10	8	7	7	6	
	Per PS	141	96	96	72	57	48	42	36	33	30	24	21	21	18	
Watts per stick		1.7	2.5	2.5	3.4	4.2	5	5.9	6.7	7.6	8.4	10.1	10.9	11.8	12.6	

Tetra® Stick DS - 24V

Stick length in inches

Power Output	Configuration	Stick length in inches														Number of sticks
		18	24	30	36	42	48	60	64	72	84	96	108	117	120	
80W	–	19	13	13	9	8	6	5	5	4	4	3	3	2	2	
100W	–	24	16	16	12	10	8	7	6	5	5	4	3	3	3	
180W	Per bank	21	15	15	11	9	7	6	5	5	4	3	3	3	3	
	Per PS	42	30	30	22	18	14	12	10	10	8	6	6	6	6	
300W	Per bank	24	16	16	12	10	8	7	6	5	5	4	3	3	3	
	Per PS	72	48	48	36	30	24	21	18	15	15	12	9	9	9	
Watts per stick		3.4	5	5	6.8	8.4	10	11.8	13.4	15.2	16.8	20.2	21.8	23.6	25.2	

Cabinet Signs

Tetra® Stick SS HO - 24V

Stick length in inches

Power Output	Configuration	18	24	30	36	42	48	60	64	72	84	96	108	117	120	Number of sticks
80W	–	26	17	17	13	10	9	7	7	6	5	4	4	4	3	
100W	–	33	22	22	16	13	11	9	8	7	7	6	5	5	4	
180W	Per bank	29	20	20	15	12	10	8	7	7	6	5	5	4	4	
	Per PS	58	40	40	30	24	20	18	14	14	12	10	10	8	8	
300W	Per bank	33	22	22	16	13	11	9	8	7	7	6	5	5	4	
	Per PS	99	66	66	48	39	33	27	24	21	21	18	15	15	12	
Watts per stick		2.4	3.6	3.6	4.8	6	7.2	8.4	9.6	10.8	12	14.4	15.6	16.8	18	

Tetra® Stick DS HO - 24V

Stick length in inches

Power Output	Configuration	18	24	30	36	42	48	60	64	72	84	96	108	117	120	Number of sticks
80W	–	13	9	9	7	5	4	4	3	3	2	2	2	2	1	
100W	–	16	11	11	8	7	5	5	4	4	3	3	2	2	2	
180W	Per bank	15	10	10	7	6	5	4	4	3	3	2	2	2	2	
	Per PS	30	20	20	14	12	10	8	8	6	6	4	4	4	4	
300W	Per bank	16	11	11	8	7	5	5	4	4	3	3	2	2	2	
	Per PS	48	33	33	24	21	15	15	12	12	9	9	6	6	6	
Watts per stick		4.8	7.2	7.2	9.6	12	14.4	16.8	19.2	21.6	24	28.8	31.2	33.6	36	

Tetra® LineFit Light - 24V

Stick length in inches

Feet per PS	Power Output	Configuration	18	24	30	36	42	48	60	64	72	84	96	Number of sticks
12	80W	–	8	6	4	4	3	3	2	2	2	1	1	
16	100W	–	10	8	6	5	4	4	3	3	2	2	2	
14	180W	Per bank	9	7	5	4	4	3	2	2	2	2	1	
28		Per PS	18	14	10	8	8	6	4	4	4	4	2	
16	300W	Per bank	10	8	6	5	4	4	3	3	2	2	2	
48		Per PS	30	24	18	15	12	12	9	9	6	6	6	
Watts per module			8.64	11.52	14.4	17.28	20.16	23.04	28.8	31.68	34.56	40.32	46.08	

Tetra® EdgeStrip - 24V

Power Output	Configuration	EdgeStrip	EdgeStrip HO
25W	–	9 modules/9 ft. (2.74 m)	4 modules/4ft. (1.22 m)
80W	–	30 modules/30 ft. (9.15 m)	14 modules/14 ft. (4.27 m)
100W	–	36 modules/36 ft. (10.97 m)	17 modules/18 ft. (5.49 m)
180W	Per bank	33 modules/33 ft. (10.06 m)	16 modules/16 ft. (4.88 m)
	Per PS	66 modules/66 ft. (20.12 m)	32 modules/32 ft. (9.75 m)
300W	Per bank	36 modules/36ft. (10.98m)	17 modules/18ft. (5.49 m)
	Per PS	108 modules/108 ft. (32.94 m)	51 modules/54 ft. (16.46 m)
Watts per module		2.52W/module	5.40W/module

NB2000 Gen 2 - 24V

Stick length in inches

Feet per PS	Power Output	Configuration	18	24	30	36	42	48	60	64	72	84	96	Number of sticks
12	80W	–	8	6	4	4	3	3	2	2	2	1	1	
16	100W	–	10	8	6	5	4	4	3	3	2	2	2	
14	180W	Per bank	9	7	5	4	4	3	2	2	2	2	1	
28		Per PS	18	14	10	8	8	6	4	4	4	4	2	
16	300W	Per bank	10	8	6	5	4	4	3	3	2	2	2	
48		Per PS	30	24	18	15	12	12	9	9	6	6	6	
Watts per module			6.7	10.1	11.5	14.4	16.8	20.2	23	26.9	30.2	33.6	40.3	

Contour

Tetra® Contour - 24V

Power Output	Configuration	Red, Green, Blue	Orange, Yellow	Whites
25W	–	14ft. (4.27 m)	8 ft. (2.44 m)	6 ft. (1.83 m)
80W	–	50 ft. (15.24 m)	33 ft. (10.06 m)	24 ft. (7.3 m)
100W	–	59 ft. (17.9 m)	40 ft. (12.19 m)	29 ft. (8.8 m)
180W	Per bank	55 ft. (16.76 m)	37 ft. (11.28 m)	27 ft. (8.2 m)
	Per PS	110 ft. (33.53 m)	74 ft. (22.55 m)	54 ft. (16.4 m)
300W	Per bank	59 ft. (17.9 m)	40 ft. (12.1 m)	29 ft. (8.8 m)
	Per PS	177 ft. (53.9 m)	120 ft. (36.5 m)	87 ft. (26.5 m)
Watts per foot		1.52W/ft.	2.27W/ft.	3.17W/ft.

Tetra® Contour LS - 24V

Power Output	Configuration	Red	Green, Blue	Whites
25W	–	16 ft. (4.88 m)	12 ft. (3.66 m)	6 ft. (1.83 m)
80W	–	58 ft. (17.68 m)	44 ft. (13.41 m)	24 ft. (7.3 m)
100W	–	69 ft. (21m)	52 ft. (15.85 m)	29 ft. (8.8 m)
180W	Per bank	65 ft. (19.81 m)	48 ft. (14.63 m)	27 ft. (8.2 m)
	Per PS	130 ft. (39.62 m)	96 ft. (29.26 m)	54 ft. (16.4 m)
300W	Per bank	69 ft. (21 m) p	52 ft. (15.8 m)	29 ft. (8.8 m)
	Per PS	207 ft. (63 m)	156 ft. (47.5 m)	87 ft. (26.5 m)
Watts per foot		1.30W/ft.	1.73W/ft.	3.17W/ft.

N.B. Only use Tetra power supplies with Tetra LED lighting systems

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