

PRISM SYNERGY STIKS

High-performance 24V LED illumination for new & retrofit sign cabinet applications

24
VDC



Specifications

Dimensions L x W x H Single-sided.....See table x 0.73" x 0.63"
 Double-sided.....See table x 0.73" x 1.01"

Beam angle Deep140°
 HO.....170°

Mounting options Socket (retro) / Brackets (new)

Operating temp.-40° C to +70° C

Environment IP67

Wire color White (+) / Gray (-)

Packaging Single-sided.....24
 Double-sided.....16

Warranty Life of Sign Warranty/10-year Labor



Product Options

Prism Synergy Stik Deep



	Length	Nominal length	No. of mods	Lumens per Stik	Lumens/ft	Power	Max. units (100 W)	Max. units (300 W)	UL number	SKU*
SINGLE-SIDED	18"	15.91"	3	624	471	3.99	24	72	PL-SY4-DP2-P/ST-SS-18	B-SY-S03-018XX-DP
	24"	21.91"	4	832	456	5.32	18	54	PL-SY4-DP2-P/ST-SS-24	B-SY-S04-024XX-DP
	30"	27.91"	4	832	358	5.32	18	54	PL-SY4-DP2-P/ST-SS-30	B-SY-S04-030XX-DP
	36"	33.91"	5	1040	368	6.65	14	42	PL-SY4-DP2-P/ST-SS-36	B-SY-S05-036XX-DP
	42"	39.91"	6	1248	375	7.98	12	36	PL-SY4-DP2-P/ST-SS-42	B-SY-S06-042XX-DP
	48"	45.91"	7	1456	381	9.31	10	30	PL-SY4-DP2-P/ST-SS-48	B-SY-S07-048XX-DP
	60"	57.91"	9	1872	388	11.97	8	24	PL-SY4-DP2-P/ST-SS-60	B-SY-S09-060XX-DP
	64"	61.91"	10	2080	403	13.30	7	21	PL-SY4-DP2-P/ST-SS-64	B-SY-S10-064XX-DP
	72"	69.91"	11	2288	393	14.63	6	18	PL-SY4-DP2-P/ST-SS-72	B-SY-S11-072XX-DP
	84"	81.91"	12	2496	366	15.96	6	18	PL-SY4-DP2-P/ST-SS-84	B-SY-S12-084XX-DP
	96"	93.91"	14	2912	372	18.62	5	15	PL-SY4-DP2-P/ST-SS-96	B-SY-S14-096XX-DP
	108"	105.91"	16	3328	377	21.28	4	12	PL-SY4-DP2-P/ST-SS-108	B-SY-S16-108XX-DP
117"	114.91"	17	3536	369	22.61	4	12	PL-SY4-DP2-P/ST-SS-117	B-SY-S17-117XX-DP	
120"	117.91"	18	3744	381	23.94	4	12	PL-SY4-DP2-P/ST-SS-120	B-SY-S18-120XX-DP	
DOUBLE-SIDED	18"	15.91"	6	1248	941	7.98	12	36	PL-SY4-DP2-P/ST-DS-18	B-SY-D06-018XX-DP
	24"	21.91"	8	1664	911	10.64	9	27	PL-SY4-DP2-P/ST-DS-24	B-SY-D08-024XX-DP
	30"	27.91"	8	1664	715	10.64	9	27	PL-SY4-DP2-P/ST-DS-30	B-SY-D08-030XX-DP
	36"	33.91"	10	2080	736	13.30	7	21	PL-SY4-DP2-P/ST-DS-36	B-SY-D10-036XX-DP
	42"	39.91"	12	2496	750	15.96	6	18	PL-SY4-DP2-P/ST-DS-42	B-SY-D12-042XX-DP
	48"	45.91"	14	2912	761	18.62	5	15	PL-SY4-DP2-P/ST-DS-48	B-SY-D14-048XX-DP
	60"	57.91"	18	3744	776	23.94	4	12	PL-SY4-DP2-P/ST-DS-60	B-SY-D18-060XX-DP
	64"	61.91"	20	4160	806	26.60	3	9	PL-SY4-DP2-P/ST-DS-64	B-SY-D20-064XX-DP
	72"	69.91"	22	4576	785	29.26	3	9	PL-SY4-DP2-P/ST-DS-72	B-SY-D22-072XX-DP
	84"	81.91"	24	4992	731	31.92	3	9	PL-SY4-DP2-P/ST-DS-84	B-SY-D24-084XX-DP
	96"	93.91"	28	5824	744	37.24	2	6	PL-SY4-DP2-P/ST-DS-96	B-SY-D28-096XX-DP
	108"	105.91"	32	6656	754	42.56	2	6	PL-SY4-DP2-P/ST-DS-108	B-SY-D32-108XX-DP
117"	114.91"	34	7072	739	45.22	2	6	PL-SY4-DP2-P/ST-DS-117	B-SY-D34-117XX-DP	
120"	117.91"	36	7488	762	47.88	2	6	PL-SY4-DP2-P/ST-DS-120	B-SY-D36-120XX-DP	

* XX can be **71** (7100 K), **65** (6500 K), **50** (5000 K), **41** (4100 K), or **30** (3000 K)

This product is covered by issued U.S. Patent No. 9,851,054 and 10,024,501.
 Specifications subject to change without notice.



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24
VDC



Product Options (cont.)

Prism Synergy Stik HO

	Length	Nominal length	No. of mods	Lumens per Stik	Lumens/ft	Power	Max. units (100 W)	Max. units (300 W)	UL number	SKU*
SINGLE-SIDED	18"	15.91"	2	417	315	2.66	36.00	108.00	PL-SY4-HO1-P/ST-SS-18	B-SY-S02-018XX-HO
	24"	21.91"	2	417	228	2.66	36.00	108.00	PL-SY4-HO1-P/ST-SS-24	B-SY-S02-024XX-HO
	30"	27.91"	3	626	269	3.99	24.00	72.00	PL-SY4-HO1-P/ST-SS-30	B-SY-S03-030XX-HO
	36"	33.91"	3	626	221	3.99	24.00	72.00	PL-SY4-HO1-P/ST-SS-36	B-SY-S03-036XX-HO
	42"	39.91"	4	834	251	5.32	18.00	54.00	PL-SY4-HO1-P/ST-SS-42	B-SY-S04-042XX-HO
	48"	45.91"	5	1043	272	6.65	14.00	42.00	PL-SY4-HO1-P/ST-SS-48	B-SY-S05-048XX-HO
	60"	57.91"	6	1251	259	7.98	12.00	36.00	PL-SY4-HO1-P/ST-SS-60	B-SY-S06-060XX-HO
	64"	61.91"	6	1251	242	7.98	12.00	36.00	PL-SY4-HO1-P/ST-SS-64	B-SY-S06-064XX-HO
	72"	69.91"	7	1460	251	9.31	10.00	30.00	PL-SY4-HO1-P/ST-SS-72	B-SY-S07-072XX-HO
	84"	81.91"	8	1668	244	10.64	9.00	27.00	PL-SY4-HO1-P/ST-SS-84	B-SY-S08-084XX-HO
	96"	93.91"	9	1877	240	11.97	8.00	24.00	PL-SY4-HO1-P/ST-SS-96	B-SY-S09-096XX-HO
	108"	105.91"	11	2294	260	14.63	6.00	18.00	PL-SY4-HO1-P/ST-SS-108	B-SY-S11-108XX-HO
117"	114.91"	12	2502	261	15.96	6.00	18.00	PL-SY4-HO1-P/ST-SS-117	B-SY-S12-117XX-HO	
120"	117.91"	12	2502	255	15.96	6.00	18.00	PL-SY4-HO1-P/ST-SS-120	B-SY-S12-120XX-HO	
DOUBLE-SIDED	18"	15.91"	4	834	629	5.32	18.00	54.00	PL-SY4-HO1-P/ST-DS-18	B-SY-D04-018XX-HO
	24"	21.91"	4	834	457	5.32	18.00	54.00	PL-SY4-HO1-P/ST-DS-24	B-SY-D04-024XX-HO
	30"	27.91"	6	1251	538	7.98	12.00	36.00	PL-SY4-HO1-P/ST-DS-30	B-SY-D06-030XX-HO
	36"	33.91"	6	1251	443	7.98	12.00	36.00	PL-SY4-HO1-P/ST-DS-36	B-SY-D06-036XX-HO
	42"	39.91"	8	1668	502	10.64	9.00	27.00	PL-SY4-HO1-P/ST-DS-42	B-SY-D08-042XX-HO
	48"	45.91"	10	2085	545	13.30	7.00	21.00	PL-SY4-HO1-P/ST-DS-48	B-SY-D10-048XX-HO
	60"	57.91"	12	2502	518	15.96	6.00	18.00	PL-SY4-HO1-P/ST-DS-60	B-SY-D12-060XX-HO
	64"	61.91"	12	2502	485	15.96	6.00	18.00	PL-SY4-HO1-P/ST-DS-64	B-SY-D12-064XX-HO
	72"	69.91"	14	2919	501	18.62	5.00	15.00	PL-SY4-HO1-P/ST-DS-72	B-SY-D14-072XX-HO
	84"	81.91"	16	3336	489	21.28	4.00	12.00	PL-SY4-HO1-P/ST-DS-84	B-SY-D16-084XX-HO
	96"	93.91"	18	3753	480	23.94	4.00	12.00	PL-SY4-HO1-P/ST-DS-96	B-SY-D18-096XX-HO
	108"	105.91"	22	4587	520	29.26	3.00	9.00	PL-SY4-HO1-P/ST-DS-108	B-SY-D22-108XX-HO
117"	114.91"	24	5004	523	31.92	3.00	9.00	PL-SY4-HO1-P/ST-DS-117	B-SY-D24-117XX-HO	
120"	117.91"	24	5004	509	31.92	3.00	9.00	PL-SY4-HO1-P/ST-DS-120	B-SY-D24-120XX-HO	

* XX can be 71 (7100 K), 65 (6500 K), 50 (5000 K), 41 (4100 K), or 30 (3000 K)

Recommended Coverage Chart (Cabinets)

Prism Synergy Stik	Depth from stik to face	Estimated spacing between stiks
Deep	10 - 14"	12"
	14 - 18"	16"
	18 - 20"	24"
	>20"	Use two banks of single-sided
HO	8 - 14"	12"
	14 - 16"	16"
	16 - 18"	24"
	>18"	Use two banks of single-sided

Product and depth may vary depending on face material and desired brightness. All spacing guidelines in this chart were done using 7328 White Acrylic faces. Other materials, thicknesses, and color can affect these guidelines in your sign. To ensure accuracy, it is recommended that you test the product in your specific application in a dark setting prior to installation. If you have concerns or questions about the materials you are using for your application please contact us for assistance.



principalsloan.com
325.227.4577
3490 Venture Dr., San Angelo, TX 76905

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