

# PRISM SYNERGY STIKS **G1** **24** VDC

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



## 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"

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

Beam angle ..... Deep ..... 140°  
 HO ..... 170°

Warranty ..... Life of Sign Warranty/10-year Labor

Mounting options ..... Socket (retro) / Brackets (new)

Operating temp. .... -40° C to +70° C

Environment ..... IP67

Wire color ..... White (+) / Gray (-)

Whip length ..... 18-64" stik ..... 36"  
 72-120" stik ..... 72"



## 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*
<b>SINGLE-SIDED</b>	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	
<b>DOUBLE-SIDED</b>	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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## 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-HO2
	24"	21.91"	2	417	228	2.66	36.00	108.00	PL-SY4-HO1-P/ST-SS-24	B-SY-S02-024XX-HO2
	30"	27.91"	3	626	269	3.99	24.00	72.00	PL-SY4-HO1-P/ST-SS-30	B-SY-S03-030XX-HO2
	36"	33.91"	3	626	221	3.99	24.00	72.00	PL-SY4-HO1-P/ST-SS-36	B-SY-S03-036XX-HO2
	42"	39.91"	4	834	251	5.32	18.00	54.00	PL-SY4-HO1-P/ST-SS-42	B-SY-S04-042XX-HO2
	48"	45.91"	5	1043	272	6.65	14.00	42.00	PL-SY4-HO1-P/ST-SS-48	B-SY-S05-048XX-HO2
	60"	57.91"	6	1251	259	7.98	12.00	36.00	PL-SY4-HO1-P/ST-SS-60	B-SY-S06-060XX-HO2
	64"	61.91"	6	1251	242	7.98	12.00	36.00	PL-SY4-HO1-P/ST-SS-64	B-SY-S06-064XX-HO2
	72"	69.91"	7	1460	251	9.31	10.00	30.00	PL-SY4-HO1-P/ST-SS-72	B-SY-S07-072XX-HO2
	84"	81.91"	8	1668	244	10.64	9.00	27.00	PL-SY4-HO1-P/ST-SS-84	B-SY-S08-084XX-HO2
	96"	93.91"	9	1877	240	11.97	8.00	24.00	PL-SY4-HO1-P/ST-SS-96	B-SY-S09-096XX-HO2
	108"	105.91"	11	2294	260	14.63	6.00	18.00	PL-SY4-HO1-P/ST-SS-108	B-SY-S11-108XX-HO2
	117"	114.91"	12	2502	261	15.96	6.00	18.00	PL-SY4-HO1-P/ST-SS-117	B-SY-S12-117XX-HO2
120"	117.91"	12	2502	255	15.96	6.00	18.00	PL-SY4-HO1-P/ST-SS-120	B-SY-S12-120XX-HO2	
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-HO2
	24"	21.91"	4	834	457	5.32	18.00	54.00	PL-SY4-HO1-P/ST-DS-24	B-SY-D04-024XX-HO2
	30"	27.91"	6	1251	538	7.98	12.00	36.00	PL-SY4-HO1-P/ST-DS-30	B-SY-D06-030XX-HO2
	36"	33.91"	6	1251	443	7.98	12.00	36.00	PL-SY4-HO1-P/ST-DS-36	B-SY-D06-036XX-HO2
	42"	39.91"	8	1668	502	10.64	9.00	27.00	PL-SY4-HO1-P/ST-DS-42	B-SY-D08-042XX-HO2
	48"	45.91"	10	2085	545	13.30	7.00	21.00	PL-SY4-HO1-P/ST-DS-48	B-SY-D10-048XX-HO2
	60"	57.91"	12	2502	518	15.96	6.00	18.00	PL-SY4-HO1-P/ST-DS-60	B-SY-D12-060XX-HO2
	64"	61.91"	12	2502	485	15.96	6.00	18.00	PL-SY4-HO1-P/ST-DS-64	B-SY-D12-064XX-HO2
	72"	69.91"	14	2919	501	18.62	5.00	15.00	PL-SY4-HO1-P/ST-DS-72	B-SY-D14-072XX-HO2
	84"	81.91"	16	3336	489	21.28	4.00	12.00	PL-SY4-HO1-P/ST-DS-84	B-SY-D16-084XX-HO2
	96"	93.91"	18	3753	480	23.94	4.00	12.00	PL-SY4-HO1-P/ST-DS-96	B-SY-D18-096XX-HO2
	108"	105.91"	22	4587	520	29.26	3.00	9.00	PL-SY4-HO1-P/ST-DS-108	B-SY-D22-108XX-HO2
	117"	114.91"	24	5004	523	31.92	3.00	9.00	PL-SY4-HO1-P/ST-DS-117	B-SY-D24-117XX-HO2
120"	117.91"	24	5004	509	31.92	3.00	9.00	PL-SY4-HO1-P/ST-DS-120	B-SY-D24-120XX-HO2	

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

† Gen 1 part numbers end in "-HO". Gen 2 (coming September 2025) part numbers end in "-HO2".

Gen 2 parts share the same product specification values as Gen 1 with the exception of **Recommended Coverage Chart** values.

## Life of Sign Warranty

- The Life of Sign Warranty only applies to the Prism Synergy modules in applications, not the power supply.
- The product warranty itself is the same as it is for all of our other products as outlined in the Principal Sloan Warranty Statement; only the duration of the coverage has changed.
- The lifetime product coverage will require the submission of the **Principal Sloan Warranty Registration Form** within 30 days of the installation of the sign.
- If the Warranty Registration Form is submitted within the specified 30-day period, the term of the coverage begins at the date of the sign installation.
- If the Warranty Registration Form is not submitted within the specified 30-day period, the term of the coverage begins at the manufacture date code on the products.
- The lifetime warranty will only apply to the original and unaltered sign
- For specification work, the warranty is with the OEM or National Program End-User per contract agreement to use the Prism Synergy Series.



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## 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	5 - 14" GEN 1; 5 - 14" GEN 2	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.