PRISM SYNERGY TITAN G2 24 VDC

High-performance 24V LED illumination
for custom-built cabinets & pylon signs

Specifications

SKU	**Single-sided**	M-SY2TS1-24-65
	Double-sided	M-SY2TD1-24-65
Dimensions L × W × H	**Single-sided**	7.32" × 1.14" × 0.40"
	Double-sided	7.87" × 2.02" × 0.52"
Beam angle		170°
Mods per ft		1
Color temperature*		6500 K
Intensity	**Single-sided**	412 lm/mod (412 lm/ft)
	Double-sided	725 lm/mod (725 lm/ft)
Efficacy	**Single-sided**	173 lm/W
	Double-sided	181 lm/W
Power	**Single-sided**	2.43 W/mod
	Double-sided	4.00 W/mod
Mounting options	**Single-sided**	Peel-N-Stick, mechanical fastening
	Double-sided	Mechanical fastening, specialized extrusion
Operating temp.		-40° C to +70° C
Environment		IP67
Packaging	**Single-sided**	
	Mods per bag	38
	Mods per strand	19
	Strands per bag	2
	Bags per case	8
	Mods per case	304
	Double-sided	
	Mods per bag	24
	Mods per strand	24
	Strands per bag	1
	Bags per case	13
	Mods per case	312
Power supply		24 VDC
Max. mods per 96W power supply	**Single-sided**	38 (38.0 ft)
	Double-sided	24 (24.0 ft)
Wire color		White (+) / Gray (-)
Warranty		Life of Sign Warranty/10-year Limited Labor

* 5000 K CCT available by special order.
Please contact Principal Sloan customer service.

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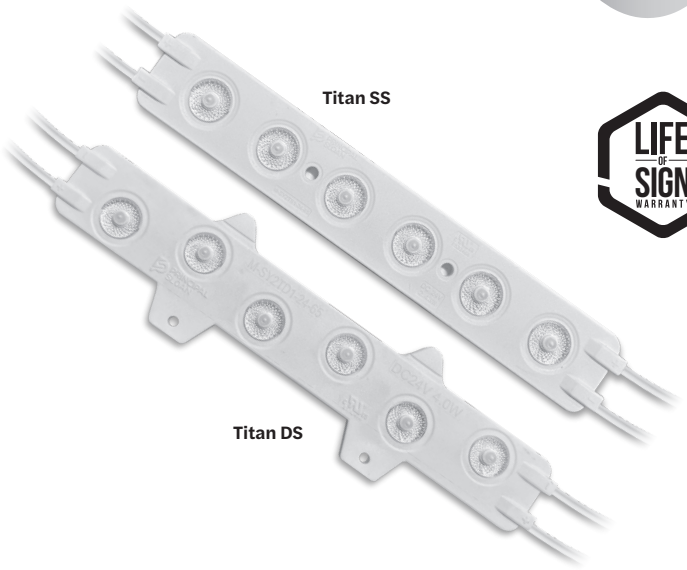


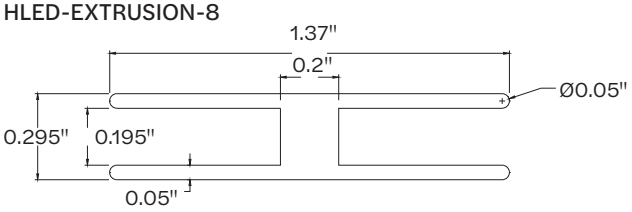
LIFE OF SIGN WARRANTY

Recommended Coverage Charts

Model	Depth from stik to face	Spacing between stiks
Prism Synergy Titan Single-sided & Double-sided	5"	13"
	6"	18"
	7"	22"
	8"	24"
	9"	28"
	10-15"	30"

Accessories

Extrusions – 8-ft sections
HLED-EXTRUSION-8



PRINCIPAL SLOAN
A Principal Industries Company

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Recommended Module Spacing for Building Double-sided Stiks in the Field

Full stretch

Length	Nominal length	Mods/ stik	Power/ DS stik	Double-sided stiks per 96W	End of stik to module clearance	On-center spacing betwen modules
18 (lamp)	15.91"	1	4 W	24	4.025"	N/A
18 (exact)	18"				5.070"	
24 (lamp)	21.91"	2	8 W	12	1.025"	12"
24 (exact)	24"				2.070"	
30 (lamp)	27.91"	2	8 W	12	4.025"	
30 (exact)	30"				5.070"	
36 (lamp)	33.91"	3	12 W	8	1.025"	
36 (exact)	36"				2.070"	
42 (lamp)	39.91"	3	12 W	8	4.025"	
42 (exact)	42"				5.070"	
48 (lamp)	45.91"	4	16 W	6	1.025"	
48 (exact)	48"				2.070"	
60 (lamp)	57.91"	5	20 W	4	1.025"	
60 (exact)	60"				2.070"	
64 (lamp)	61.91"	5	20 W	4	3.025"	
64 (exact)	64"				4.070"	
72 (lamp)	69.91"	6	24 W	4	1.025"	
72 (exact)	72"				2.070"	
84 (lamp)	81.91"	7	28 W	3	1.025"	
84 (exact)	84"				2.070"	
96 (lamp)	93.91"	8	32 W	3	1.025"	
96 (exact)	96"				2.070"	

Maximum brightness

Length	Nominal length	Mods/ stik	Power/ DS stik	Double-sided stiks per 96W	End of stik to module clearance	On-center spacing betwen modules
18 (lamp)	15.91"	1	4 W	24	4.025"	N/A
18 (exact)	18"	2	8 W	12	1.070"	8"
24 (lamp)	21.91"	2	8 W	12	3.025"	
24 (exact)	24"				4.070"	
30 (lamp)	27.91"	3	12 W	8	2.025"	
30 (exact)	30"				3.070"	
36 (lamp)	33.91"	4	16 W	6	1.025"	
36 (exact)	36"				2.070"	
42 (lamp)	39.91"	4	16 W	6	4.025"	
42 (exact)	42"	5	20 W	4	1.070"	
48 (lamp)	45.91"	5	20 W	4	3.025"	
48 (exact)	48"				4.070"	
60 (lamp)	57.91"	7	28 W	3	1.025"	
60 (exact)	60"				2.070"	
64 (lamp)	61.91"	7	28 W	3	3.025"	
64 (exact)	64"				4.070"	
72 (lamp)	69.91"	8	32 W	3	3.025"	
72 (exact)	72"				4.070"	
84 (lamp)	81.91"	10	40 W	2	1.025"	
84 (exact)	84"				2.070"	
96 (lamp)	93.91"	10	44 W	2	3.025"	
96 (exact)	96"				4.070"	

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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