SPARK NANO MINI 12 VDC

12V mini LED module for small channel letters and block acrylic signs

SPARK LED

Specifications

Part number (SKU) ..... 7000K M31224701-ND
3000K M31224701-NW

Size (L × W × H) ..... 0.55" × 0.35" × 0.35"

Beam angle ..... 180° x 140° optic lens

Spacing between modules ... up to 2.61" (4.6 mods/ft)

Colour ..... 7000K ..... 7000 K
3000K ..... 3000 K

Light output ..... 35 lm/mod (161 lm/ft)

Efficacy ..... 146 lm/W

Mounting ..... Double-sided tape; silicone recommended alongside the tape

Wire between modules ..... 2.06"

Working temperature ..... -25°C to +60°C

Weather rating IP66

Input ..... 12 VDC

Longest run ..... 40 mods (8.7 ft)

Modules per power supply .... 200 (60 W) · 333 (100 W)

Power ..... 0.24 W/mod (1.1 W/ft)

Packed ..... Bundle: 40 · Bag: 480 · Carton: 4800

Cabinet depth ..... Recommended 1–6" (works 1–12"+)

Warranty ..... 5 years



Recommended coverage chart

Model	Depth	Mods/ft	Max stroke	Multi-row on-center spacing @ mods/ft
Nano Mini	1"	6.1	5.2"	2" @ 6.1/ft
	2"	4.6	6.2"	2.6" @ 4.6/ft
	3"	4.6	7.2"	2.6" @ 4.6/ft
	4"	4.6	8.2"	2.6" @ 4.6/ft
	5"	5.1	9.2"	2.6" @ 4.6/ft
	6"	5.6	10.2"	2.6" @ 4.6/ft

Nano Mini: recommended 1–6" deep; works from 1"
Mods/ft is the spacing along a single row; a stroke up to Max stroke takes one row. Wider strokes take more rows at the multi-row spacing.
Spacing measured in-house on 4.5 mm 7328 white acrylic faces; 12"+ means deeper boxes use the 12" spacing. Face material, thickness and colour change the result - test in your own sign, in a dark setting, before installing, or contact us for help.

5 YEAR Product WARRANTY

sisupplies.ca
905-279-9689
1565 Britannia Rd E #27, Mississauga, ON L4W 2V6

SI SUPPLIES

© 2026 SISupplies Rev E 2026-09-30

Specifications subject to change without notice.