SPARK NOVA 2 12 VDC

12V high-efficacy LED module for channel letters and light boxes

Specifications

Part number (SKU) M31210700-N7

Size (L × W × H) ..... 1.97" × 0.63" × 0.44"

Beam angle ..... 175°, patented micro-lens design

Spacing between modules ..... up to 7.12" (1.69 mods/ft)

Colour ..... 7000 K

Light output ..... 170 lm/mod (287 lm/ft)

Efficacy ..... 170 lm/W

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

Wire between modules ..... 5.15"

Working temperature ..... -25°C to +60°C (ambient, ta)

Weather rating IP67

Input ..... 12 VDC

Longest run ..... 20 mods (11.9 ft)

Modules per power supply ..... 48 (60 W) · 80 (100 W)

Power ..... 1 W/mod (1.69 W/ft)

Packed ..... Bundle: 20 · Bag: 100 · Carton: 1400

Cabinet depth ..... Recommended 1–5" (works 1–12"+)

Warranty ..... 7 years

RoHS Compliant

LM79 LM80



Recommended coverage chart

Model	Depth	Mods/ft	Max stroke	Multi-row on-center spacing @ mods/ft
Nova 2	1"	3.3	4.1"	3.7" @ 3.3/ft
	2"	1.8	7.2"	6.5" @ 1.8/ft
	3"	1.7	10.4"	7.1" @ 1.7/ft
	4"	1.7	13.5"	7.1" @ 1.7/ft
	5"	1.8	16.6"	7.1" @ 1.7/ft

Nova 2: recommended 1–5" 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.

7 YEAR Product WARRANTY

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

© 2026 SISupplies Rev F 2026-10-05

Specifications subject to change without notice.