

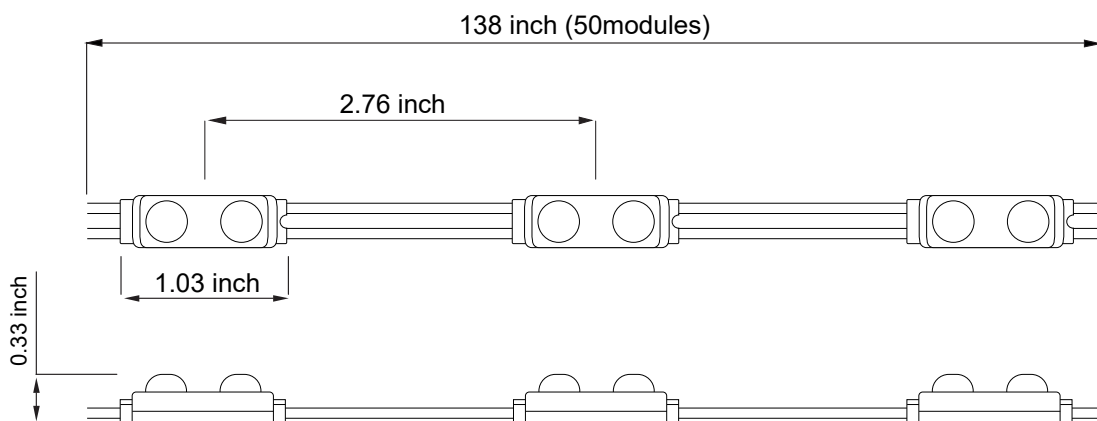
Characteristic

High Efficiency	IP67
Single-Bin SMD2835	UL US E481425
DC12V	CE
50,000H LIFETIME	RoHS
Wide Angle 140°	FCC



- High Luminous Efficacy LED Module Solution for Signage and Cabinets
- Electrical and material safety certified (UL, CE and RoHS Certificates)
- Industry-leading, single-bin SMD2835 LED chips
- Ultra Sonic Welding Technology provides extreme weather protection (IP68)
- Secure and easy fastening with genuine double coated tissue 3M adhesive
- Guaranteed lifetime of more than 50,000 hours (L70)
- High strength polycarbonate lens + ABS plastic body for harsh environments
- Fully integrated 140° optical lens for wide and evenly distributed light

Physical



Optical Characteristic

Color	Current Dissipation (mA)	Power Consumption (Watt)	Luminous Flux (lm)	Luminous Efficiency (lm/W)	CCT (Kelvin)	Viewing Angle
Cool White	42	0.5	80	160	7,500K	140 (2Θ½)

Elite LED Supply, Inc

5710 West 34th Street, Suite A, Houston TX, 77092  
 Tel: 713-234-6579 Website: www.eliteledsupply.com



**Electrical Characteristics**

Current dissipation: 42mA  
 Power consumption: 0.5W  
 Operating power: DC 12V  
 Maximum quantity for serial connection: 50 modules  
 Supports 12V dimming

**Thermal**

Heat dissipation: Ambient air  
 Operating ambient temperature: -4 °F to 140°F  
 Storage ambient temperature: -4°F to 140°F

**Waterproof Rating**

IP67: Complete protection against dust and moisture. Immersion up to 1 meter under - defined condition of pressure and time.

**Construction**

LED type: SMD 2835  
 Body, Lens, PCB: ABS, PC and FR-4  
 Cable: UL, AWM2468 18AWG  
 Pre-mounted 3M adhesive tape and screwing hole for mechanic fastening

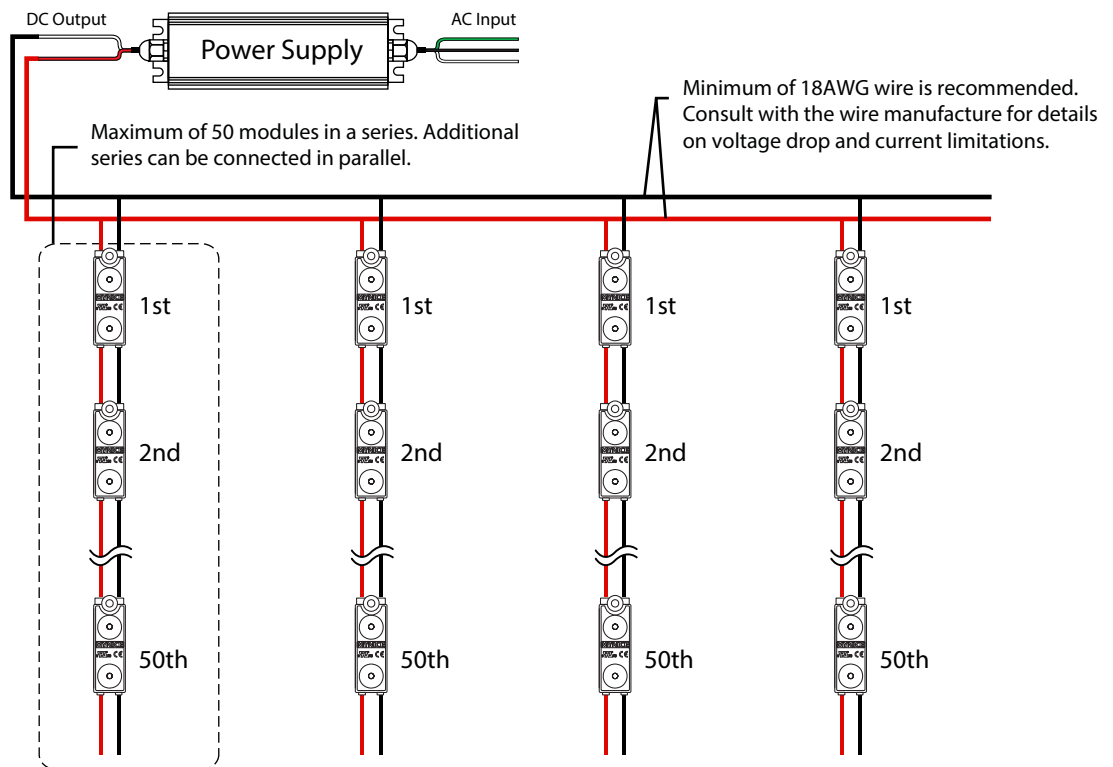
**Approval**

EN 55015/A2: 2009  
 UL879 -U.S Standard for Electric Sign Components  
 C22.2 No. 207-M89-Canadian Standard for Portable and Stationary Electric Signs & Displays  
 RoHS Directive 2011/65/EU

**Packaging**

Anti-static vinyl bag: 120 modules (60 feet)  
 Master carton box: 1200 modules (10 vinyl bags, 600 feet)

**Wiring Guide**



**Power Supply Load Table\*\***

Power Consumption	Safety Factor	Power Supply* (watt) / Qty (pcs)							
		30w	60w	75w	100w	120w	150w	200w	300w
0.5Watt	80%	48	96	120	160	192	240	320	480
	90%	54	108	135	180	216	270	360	540

\*Check power supply specification/data sheet for the temperature and line derating curve.  
 \*\*This table is generated with a Safety Factor (SF) of 1.15 (80% and 90% load).