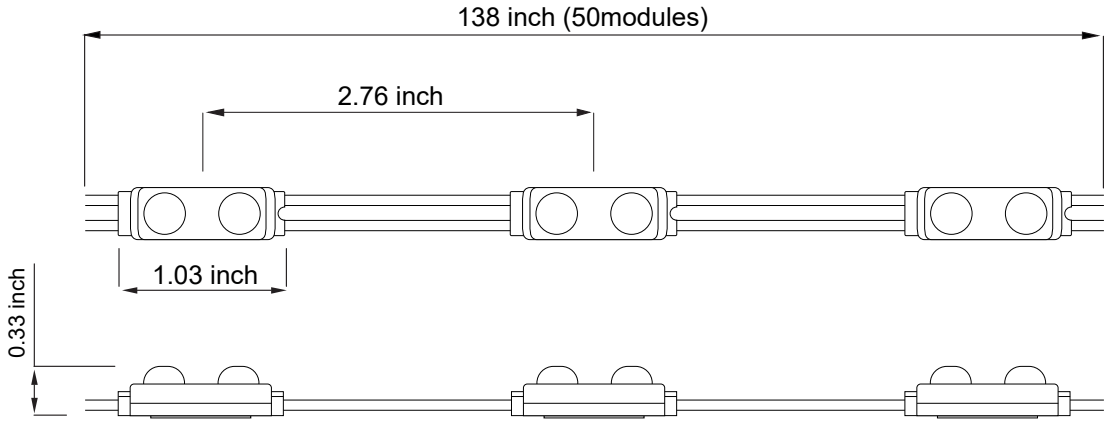
Characteristic

- **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 vadhesive
- 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)

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

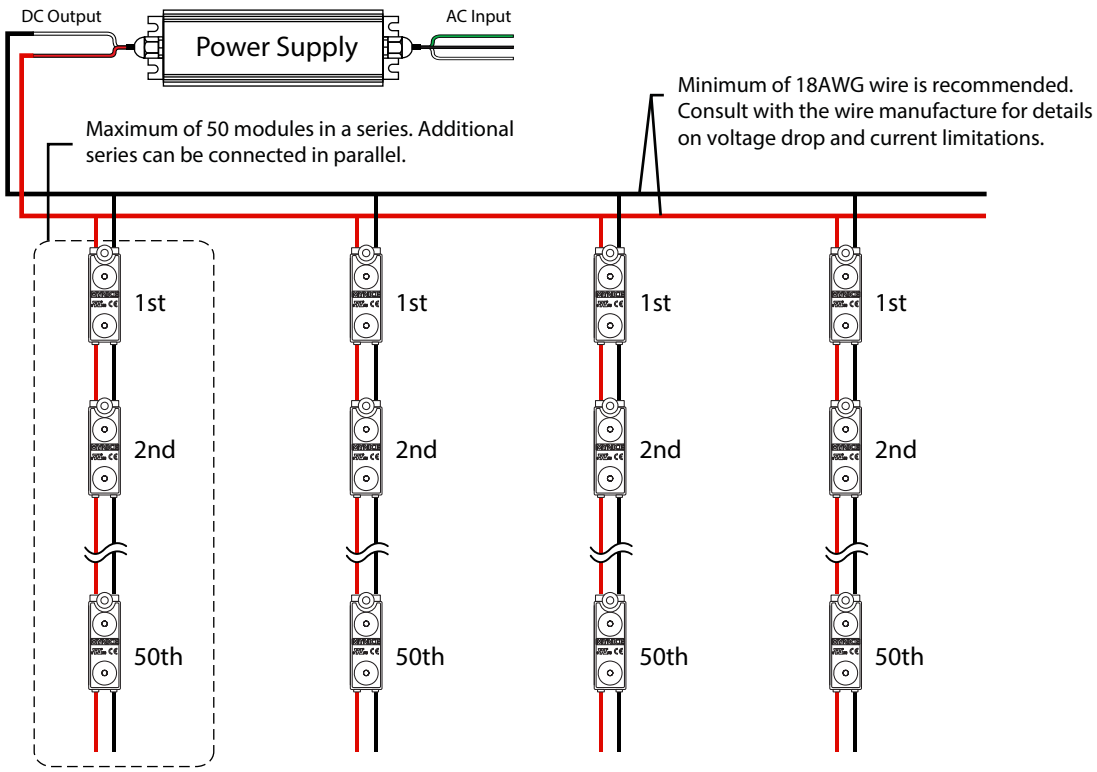
Approval

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		Power Supply* (watt)								
		30w	60w	75w	100w	120w	150w	185w	200w	300w
0.5Watt	Qty(pcs)	48	96	120	160	192	240	296	320	480

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% load).*