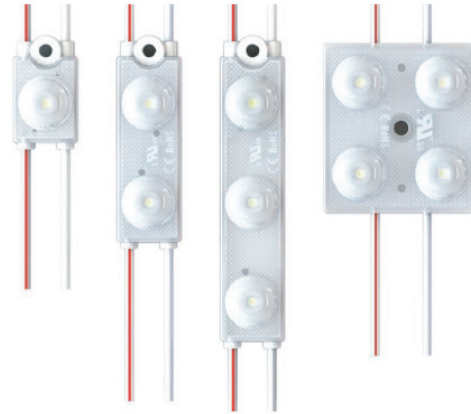


**10**  
YEARS  
WARRANTY



## LED MODULES

# SA M-NV 24V Series

### Features

- Premium LED module series with 10 Years Warranty.
- High Efficiency (170lm/w) ✨ : Low power consumption and high brightness
- Best suited for lightboxes or letters with depths ranging from 50mm more
- Constant Current
- 175° Wide beam angle

### Specification

| Type    | Item Code | Power(W) | Current(A) | CCT    | Luminous Flux(lm) |
|---------|-----------|----------|------------|--------|-------------------|
| 1 LEDs  | SA 2198   | 0.36W    | 0.01A      | 6500K  | 55 lm             |
| 2 LEDs  | SA 2299   | 0.48W    | 0.02A      | 3000K  | 82 lm             |
|         | SA 2292-A |          |            | 4000K  |                   |
|         | SA 2292-B |          |            | 5000K  |                   |
|         | SA 2298   |          |            | 6500K  |                   |
|         | SA 229G   |          |            | 10000K |                   |
|         | SA 229D   |          |            | RED    |                   |
|         | SA 229E   |          |            | BLUE   |                   |
| SA 229F | GREEN     |          |            |        |                   |
| 3 LEDs  | SA 2399   | 1.08W    | 0.05A      | 3000K  | 185 lm            |
|         | SA 2399-A |          |            | 4000K  |                   |
|         | SA 2399-B |          |            | 5000K  |                   |
|         | SA 2398   |          |            | 6500K  |                   |
|         | SA 239G   |          |            | 10000K |                   |
|         | SA 239D   |          |            | RED    |                   |
|         | SA 239E   |          |            | BLUE   |                   |
| SA 239F | GREEN     |          |            |        |                   |
| 4 LEDs  | SA 2498   | 1.44W    | 0.06A      | 6500K  | 245 lm            |
|         | SA 249D   |          |            | RED    |                   |
|         | SA 249E   |          |            | BLUE   |                   |
| 4 LEDs  | SA 24C8   | 2W       | 0.083A     | 6500K  | 310-330 lm        |

### Certification



PREMIUM LED

**Lighting  
the way with  
Confidence**

**M-NV Series**

Premium Quality Warranty,  
but to last and to be  
supported by a 10-Year.



**GET  
A FREE  
LED  
LAYOUT**

Send Artwork Files To

[service@sa-led.com](mailto:service@sa-led.com)

### What's included?

- ✓ The best modules and quantities.
- ✓ Module pitch for even brightness.
- ✓ Suggest the best power supplies.

### Warranty

|          |          |
|----------|----------|
| Warranty | 10 Years |
|----------|----------|

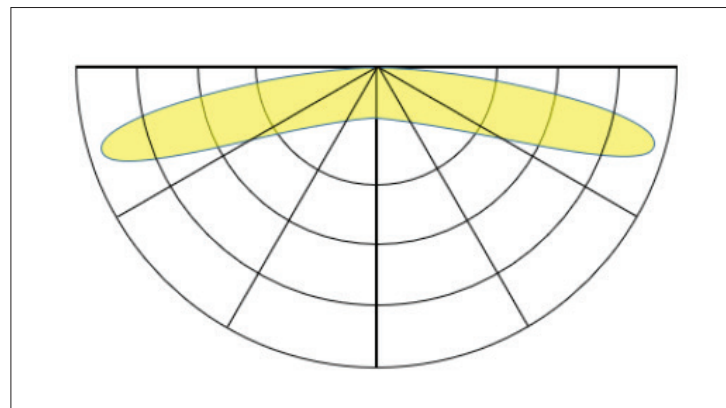
### Technical Characteristics

|            |               |
|------------|---------------|
| Voltage    | DC 24V        |
| Efficiency | up to 170lm/W |
| IP Rating  | IP67          |
| View Angle | 175°          |
| CRI (Ra)   | up to RA>80   |

### Temperature Ranges

|                       |         |
|-----------------------|---------|
| Operating temperature | -25~60° |
| Storage temperature   | -40~85° |

## Luminous intensity distribution diagram



Beam angle: 175°

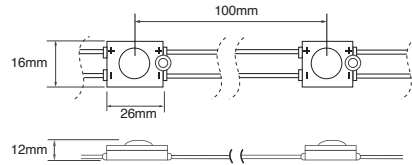
## Physical Characteristics

### Profile Drawings

#### 1 LED

Weight : 10g

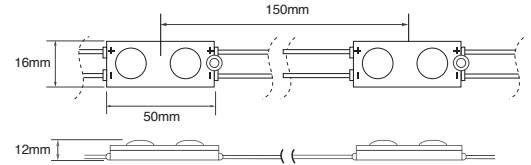
C to C: 100mm



#### 2 LED

Weight : 10g

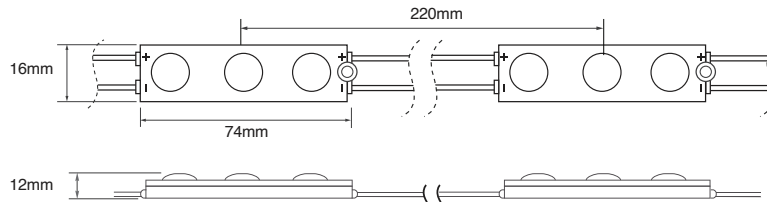
C to C: 150mm



#### 3 LED

Weight : 16g

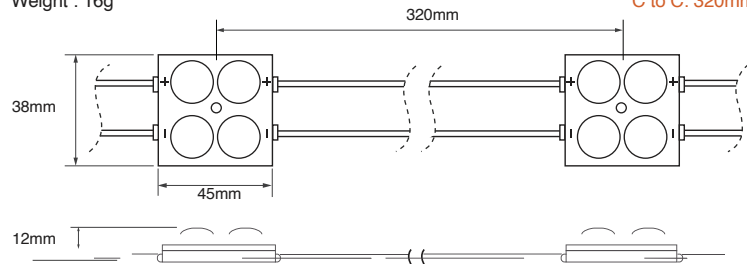
C to C: 220mm



#### 4 LED

Weight : 16g

C to C: 320mm

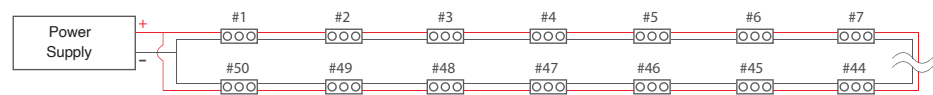


## Max in series 50 EA

1LED / 2LED / 3LED / 4LED

Single series

\*Up-to 50 modules in a single series



Multiple series

