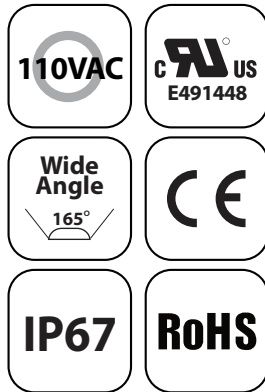


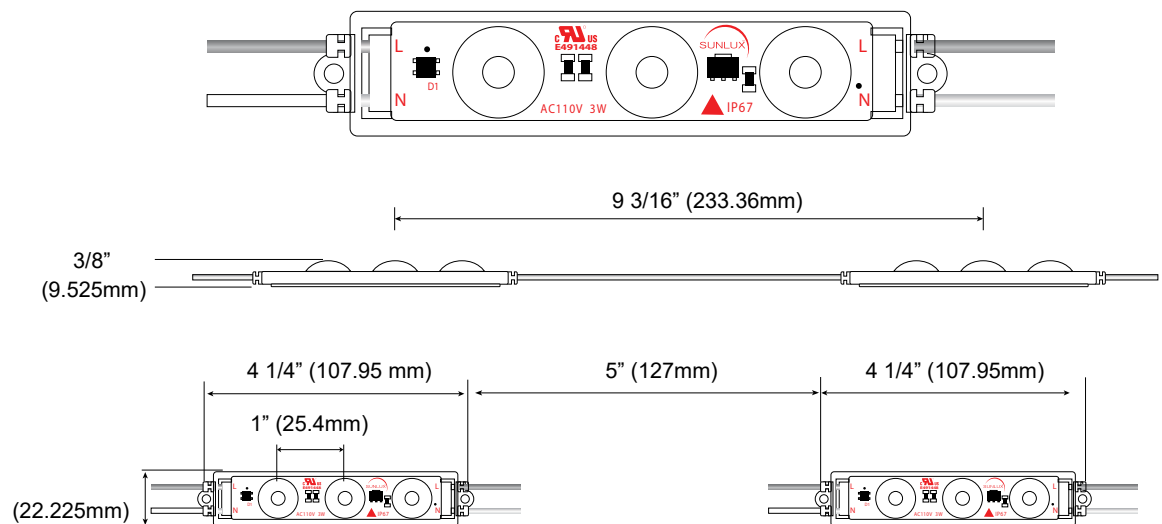
Characteristics



High Luminous Efficacy LED module Solution for Signage and Cabinets

- Fully integrated 165° optical lens for wide and evenly distributed light
- Surface mount on aluminum substrate, good thermal conductivity and electrical
- Insulation performance provides great weather protection IP67
- Secure and easy fastening with genuine double coated tissue 3M adhesive
- Lifetime of more than 45,000 hours (L70)
- High strength ABS plastic body for harsh environments
- Electrical and material safety certified (UL, CE and RoHS Certificates)
- 3- Year Limited Warranty: subject to terms and conditions; see full warranty policy for details. (Page 5)

Physical



Optical Characteristics

Color	Power Consumption (Watt)	Operating Voltage	Luminous Flux (lm)	Luminous Efficiency (lm/W)	CCT (Kelvin)	Viewing Angle
White	3.0	110V	350	116.67	7,500K	165 (2Θ½)

Electrical Characteristics

Power Consumption: 3.0W // Operating power: 110VAC
 Maximum quantity for serial connection: 100 modules.
****Connecting more than 100 modules in series will result in unstable brightness**

Thermal

Operating ambient temperature: -20°C ~ 60°C
 Storage ambient temperature: -40°C ~ 80°C

Ingress Protection

IP67: Complete protection against dust and water.
 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 600V 105°C
 Pre-mounted 3M adhesive tape and screwing hole for mechanics fastening

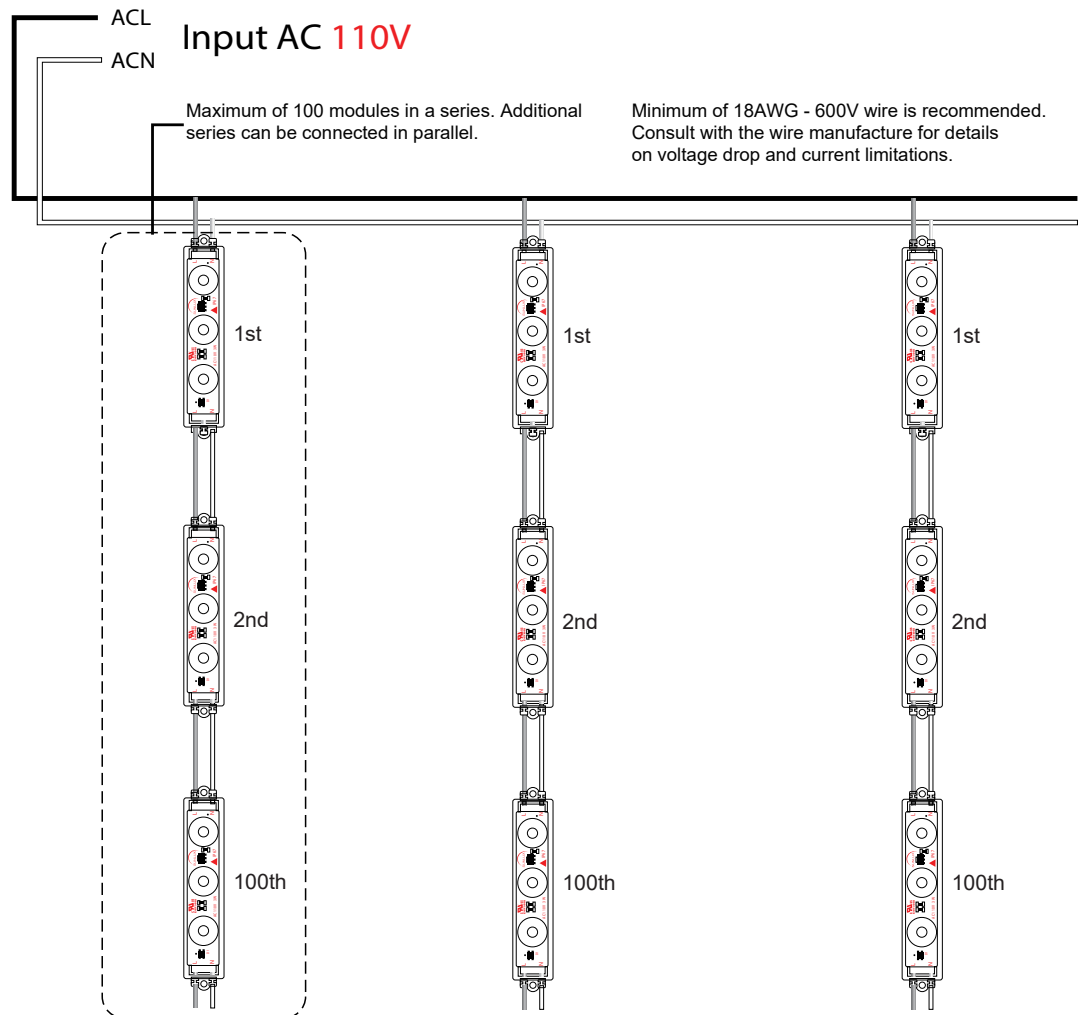
Approval

UL Certified E491448

Packaging

Carton box: 100 modules (76 feet) // Master carton box: 1000 modules (10 carton box, 760 feet)

Wiring Guide



Step-by-Step Installation Guide

(Model N° MX-AC-50-150-75K)

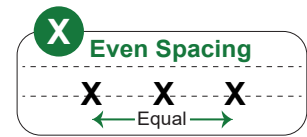
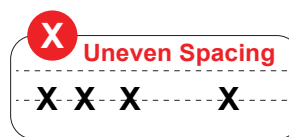
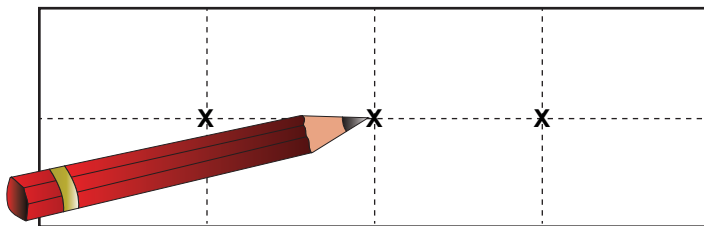
Required Tools	• 110V LED Modules • Wirenuts • Wire Stripper • LED Wire for 110VAC LED Modules <= 18AWG >= 600V
Package Contents	• 100 LED modules pcs/box ~ 76Ft
Safety Warnings	• LED modules must be installed and operated by qualified professionals • Cut off the 110V power before installation • Do not handle electrical parts with wet hands • Use appropriate personal protective equipment (PPE), such as safety shoes, gloves, etc.

1. Prepare the Area

Clean and dry the installation surface to ensure it is free of dust, grease, or any debris

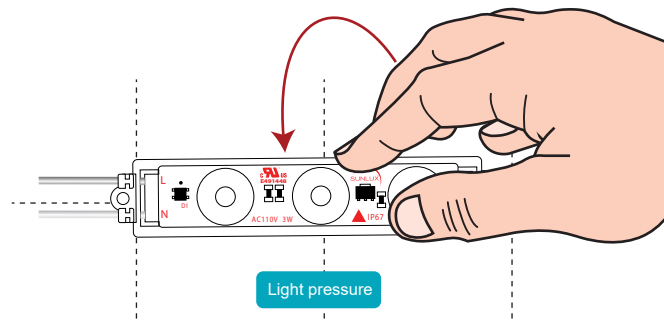
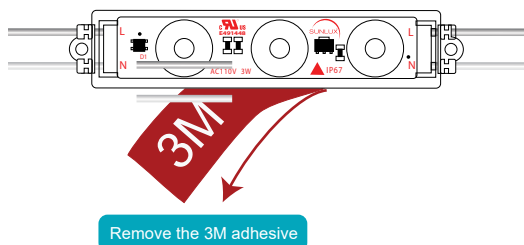
2. Measure and Mark

Measure the area to ensure even spacing and proper alignment of the LED modules. Mark the positions before mounting.



3. Mount the LED Modules

- A maximum of 100 LED modules should be connected in series. All additional series should be connected in parallel.
- Remove the 3M adhesive backing from each LED Module
- Place each LED module in the marked position and apply light pressure to activate the adhesive



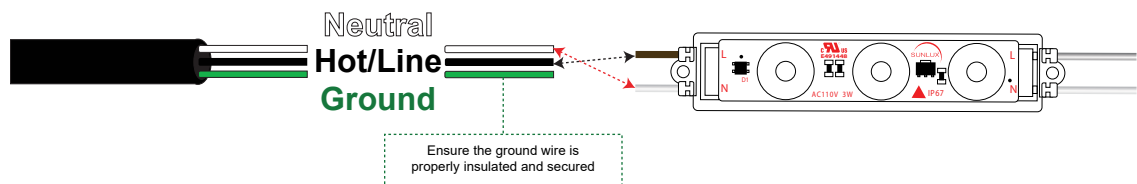
4. Adhesive Activation

The 3M adhesive is designed to strengthen over time, especially with exposure to heat, improving its bonding performance

- * It is recommended to use silicone to ensure a better adhesion to secure the LED modules, when screws are not used, ensuring long-term stability
- * Customer can determine the type of silicone based on the installation surface

5. Connect to Main Power - 110V

- Use appropriate equipment for a safe installation
- Ensure the main power 110VAC is cut off during installation
- **Connect the 110 VAC power to the LED module series using wire nuts:**
 - Connect the 110V (Hot/Line) output (Black/bronze Wire) to the LED module Live input (Bronze Wire)
 - Connect the 110V NEUTRAL output (White/blue Wire) to the LED module Neutral input (White wire)
 - MX-AC-50-150-75K Module is designed with double insulation, and therefore does not require a ground connection. Its internal construction ensures safe operation without the need for a grounding wire. As this LED Module does not require a ground connection, please ensure the ground wire is properly insulated and secured in accordance with local electrical codes.



6. Verification

Verify that all connections are correct

7. Turn on the Main Power - 110V

Product Warranty Policy

ELITE LED SUPPLY is committed to excellence in product quality and the full satisfaction of its customers. In support of this commitment, it provides a five (3) year limited warranty covering the repair or replacement of products under **specified operating conditions and in accordance with the product specifications.**

Operating Conditions:

(Model N° MX-AC-50-150-75K)

- LED modules must be installed and operated by qualified professionals.
- LED modules must operate within the specified electrical range and environmental conditions (ingress protection rating of IP67).
- A maximum of 100 LED modules should be connected in series. All additional series should be connected in parallel.

Warranty Coverage:

(Model N° MX-AC-50-150-75K):

- Warranty cover the repair or replacement of LED modules under specified operating conditions.

Period Coverage:

(Model N° MX-AC-50-150-75K):

- The warranty is valid for 3 years from the day of purchase

Warranty dose not Cover:

(Model N° MX-AC-50-150-75K):

- Misuse, improper installation, electrical surges, or physical damage
- Labor or installation costs
- Shipping and delivery costs for warranty claims, **unless otherwise stated**

Warranty Terms and Conditions

(Model N° MX-AC-50-150-75K):

- Defective LED modules must be reported within 48 hours of receipt
- All the claims require a valid proof of purchase (Invoice) which must match ELITE LED SUPPLY records
- LED modules are eligible for repair or replacement only after inspection
- Approved claims will be repaired or replaced in accordance of manufacturer terms within 1-5 business days
- **Shipping and Delivery Costs for Warranty Claims:**
 - **Manufacturing defects:** ELITE LED will refund the shipping / delivery costs or issue a credit for a future order
 - **Defect due to misuse, improper installation, electrical surges, or physical damage:** The customer is responsible for all shipping and delivery costs related to the warranty claim.

