



[Manuals.plus](#) /

> [Speller](#) /

> Speller 5730 3-LED Module Light Instruction Manual

Speller 5730

Speller 5730 3-LED Module Light Instruction Manual

Model: 5730

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Speller 5730 3-LED Module Light. This product is designed for various 12V DC lighting applications, including sign lettering, storefront windows, exterior lighting, and other decorative or functional illumination needs. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- Ensure the power supply is disconnected before installation or maintenance.
- This product operates on 12V DC. Do not connect to higher voltage power sources.
- A 12V power supply is required and is not included with this product.
- Do not cut the LED modules while the power is connected.
- While the product is waterproof (IP67 rated), ensure all electrical connections are properly sealed and protected from moisture, especially in outdoor applications.
- Avoid direct eye exposure to the LED light.
- Keep out of reach of children.

PACKAGE CONTENTS

The package includes:

- 9.8 FT (approximately 3 meters) string of 60 white 5730 3-LED Module Lights (20 modules, each with 3 LEDs).

Note: A 12V DC power supply is required for operation and is not included.

SPECIFICATIONS

Feature	Specification
Emitting Color	White
Working Voltage	DC 12V
Current Power per chip	0.4W
Beam Angle	160°
Material	Aluminum PCB, PVC cover
Luminous Flux per chip	45-50 LM
Color Temperature	10000-12000K
Individual Module Size	7.5 x 1.5 x 0.6 cm
LED Type	SMD 5730 White
LED Quantity	3 LEDs per module, 20 modules (60 LEDs total)
Waterproof IP Rating	IP67
Light Source Life	>50000 Hours
Total Brightness	Up to 2700 Lumens (60 LEDs x 45 LM/LED)
Total Length	9.8 FT (approx. 3 meters)
Mounting Type	Self-adhesive tape

SETUP AND INSTALLATION

The Speller 5730 LED Module Lights are designed for straightforward installation.

- 1. Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth for optimal adhesion of the self-adhesive tape.
- 2. Plan Layout:** Determine the desired layout for your LED modules. The string can be cut between any 3-LED module to achieve the required length. Each module is connected by wires, allowing for flexible spacing.



Image: Rear view of Speller 5730 LED modules showing the self-adhesive tape for easy mounting.

3. **Mount the Modules:** Peel off the backing from the 3M self-adhesive tape on the back of each module and firmly press the modules onto the prepared surface.



Image: A string of Speller 5730 LED modules, illustrating their interconnected design for flexible placement.

4. Electrical Connection:

- Connect the red wire(s) from the LED modules to the positive (+) terminal of a 12V DC power supply.
- Connect the white wire(s) from the LED modules to the negative (-) terminal of the 12V DC power supply.
- Ensure all connections are secure and properly insulated, especially for outdoor use, to maintain the IP67 waterproof rating of the modules themselves.

Important: A 12V DC power supply is essential and must be purchased separately. The power supply should be rated appropriately for the total wattage of the connected LED modules (e.g., 20 modules x 0.4W/module = 8W total).

5. **Test:** Once all connections are made, connect the 12V DC power supply to a power outlet to test the lights.

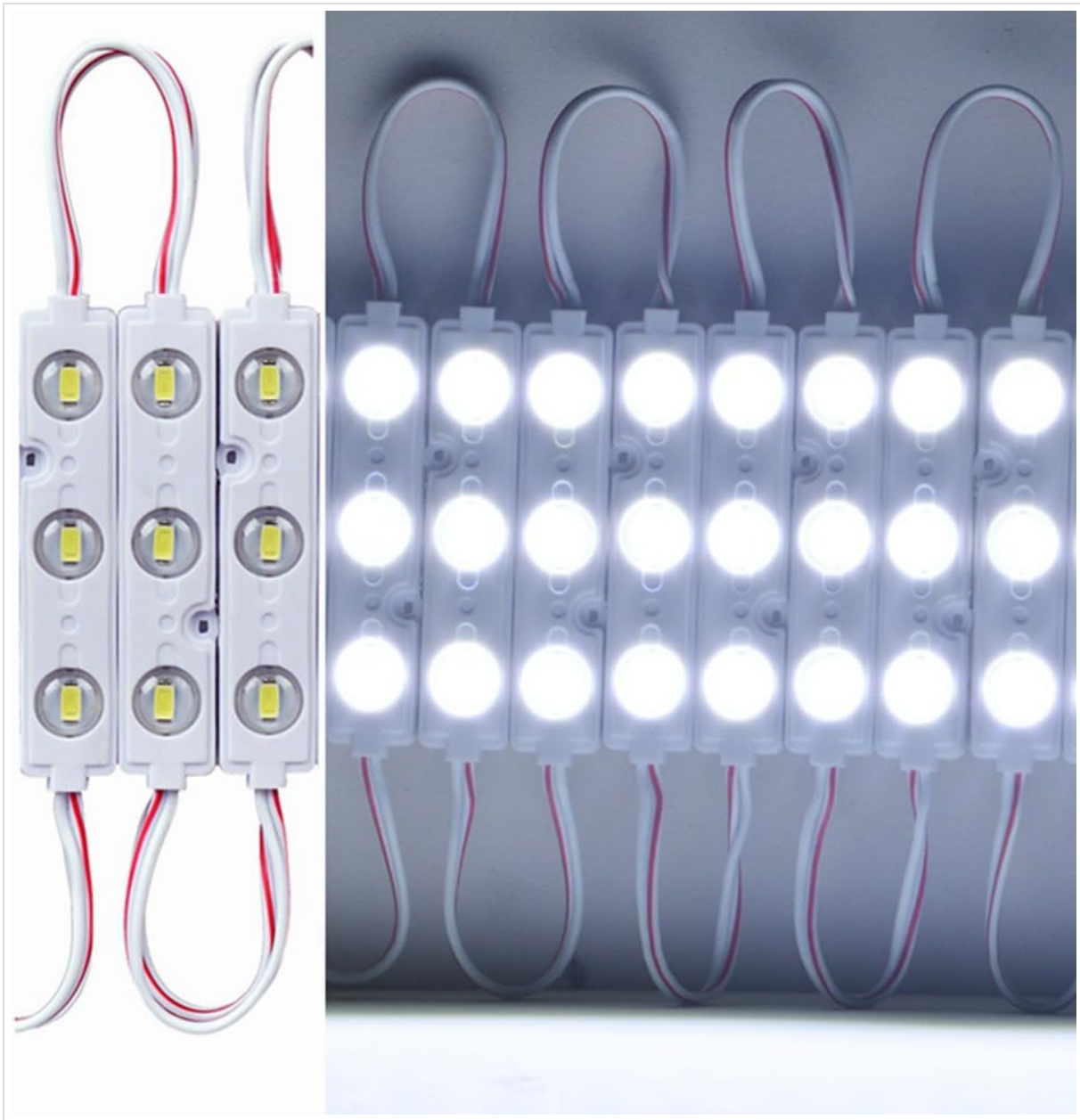


Image: Detailed view of an individual LED module, highlighting the LED project lens and the super bright 5730 chip.

OPERATION

Once properly installed and connected to a 12V DC power supply, the LED modules will illuminate when the power supply is active. There is no separate switch on the modules themselves. Operation is controlled by the power supply or any switch integrated into your power circuit.



Image: Speller LED modules installed around a storefront window, demonstrating their bright illumination for exterior applications.



Image: Speller LED modules providing bright backlighting and outlining for a commercial sign, enhancing visibility.

MAINTENANCE

The Speller 5730 LED Module Lights are designed for long-term, low-maintenance operation.

- **Cleaning:** If necessary, gently wipe the modules with a soft, damp cloth. Avoid abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Connection Check:** Periodically inspect electrical connections for any signs of wear, corrosion, or loosening, especially in outdoor or high-vibration environments.
- **Adhesion Check:** For modules installed with adhesive tape, periodically check that they remain firmly attached to the surface.



Image: Speller LED modules used to create a bright border around a shop window, enhancing visibility and appeal.

TROUBLESHOOTING

If your LED modules are not functioning as expected, consider the following:

- **No Light:**
 - Ensure the 12V DC power supply is correctly connected and receiving power.
 - Verify that the red wire is connected to positive (+) and the white wire to negative (-). Incorrect polarity will prevent illumination.
 - Check all wire connections for looseness or damage.
 - Confirm the power supply is functioning correctly and providing 12V DC output.
- **Flickering Lights:**
 - This can indicate an unstable power supply or loose connections. Check the power supply and all wiring.
 - Ensure the power supply wattage is sufficient for the total number of connected modules.
- **Partial Illumination:**
 - If only a section of modules is not lighting up, check the connections specifically in that area.

- Individual modules can be cut and replaced if damaged, as they operate independently in groups of three LEDs.

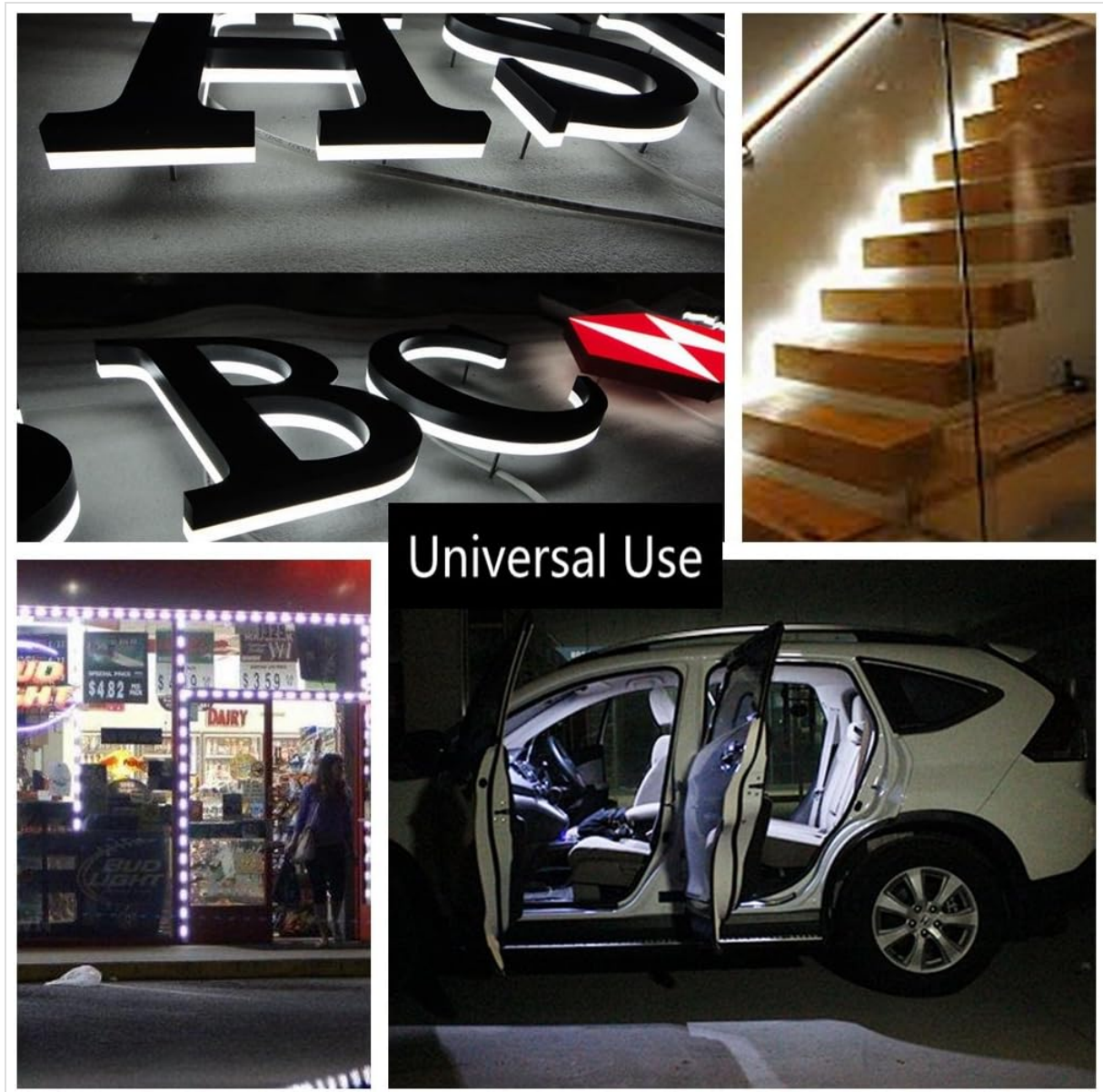


Image: Speller LED modules used for accent lighting under a counter or display case, highlighting products or work areas.

WARRANTY AND SUPPORT

This Speller 5730 3-LED Module Light comes with a 3-year warranty, guaranteeing a long service life of over 50,000 hours.

For any questions, concerns, or support regarding your purchase, please contact Speller customer service. We value every order and customer.



Window Decoration

Application

LED Channel Letter



Image: A collage illustrating the versatile applications of the Speller LED modules, from commercial storefronts and signs to interior stair lighting and automotive use.