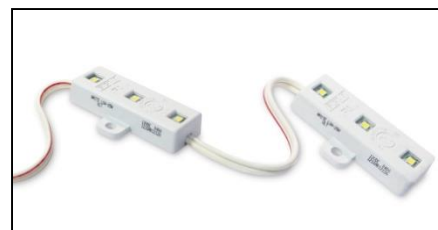# LSA-25WH & LSA-25WW

Description: White LED chains for signage, backlighting, architectural, and specialty lighting applications

➤ For use with 12VDC Class 2 power supplies

Simply and flexible design
- Cut chains to length between any module
- Attach additional chains in series or parallel

Excellent Lumen Maintenance
- L80 > 60,000 Hours
- 80% of initial lumens at 60,000 hours of use

High efficiency LED technology maximizes system performance
- Up to 50' of chain (100 modules) per 60W power supply

High consistency of color and brightness
- Consistent color and brightness from module to module and lot to lot
- Consistent performance from product to product
- Available in Daylight White (6500K) and Warm White (3500K)

Superior dual method fastening design
- 3M VHB tape provides powerful, long lasting adhesion
- Screw tabs on each module.

Suitable for UL dry, damp, and wet locations
- Not recommended for full water exposure or submersion.

Five year warranty

Compatible LED Drivers
- D12V60UNV-A
- D12V60UNV-Q

Product Specifications

Catalog Number	LSA-25WH	LSA-25WW
Description	White	White
Input Voltage	12V	12V
Color Temp/Wave Length	6500K	3500K
Viewing Angle	120°	120°
Lumens/ Foot	100	95
Power/ Foot (W)	0.94	0.94
Modules/ 60W PS	100	100
Feet/ 60W PS (ft/m)	60'	60'
LED's/ Module	3	3
Module/Ft	2	2
Module Length (inch/mm)	1.81	
Module Width (inch/mm)	0.95	
Module Height (inch/mm)	0.32	
Operating Temperature	-40°C to 70°C	
	-40°F to 158°F	
Storage Temperature	-40°C to 85°C	
	-40°F to 185°F	
Carton Quantity (4 per)	100 feet / 200 Modules	
Warranty (yr)	5	

* Manufactured in 25' (50 modules) chains

Warranty:
Universal Lighting Technologies warrants to the purchaser that each LED module will be free from defects in material or workmanship for a period of up to 5 years from date of manufacture when properly installed with a Signa LED power supply and under normal conditions of use.

Assembled in North America

EVERLINE

Application and performance specification subject to change without notification

Universal Lighting Technologies

Installation Instructions

Equipment Needed

• Wire stripper
• Manual/power screwdriver or rivet gun
• Tape measure

Components Needed

• Cleaning cloth
• Non-petroleum-based cleaner
• Non-water-based silicone
• IDC or butt splice connectors that accept 20 AWG wire
• Wire nuts that accept 18-20 AWG wire
• UL recognized 18 AWG supply wire
• #6 pan head sheet metal screws or 1/8" rivets
• Signa LED strip
• Signa 12 Volt, Class 2 Power Supply

⚠ WARNING

To avoid electric shock or fire:
Disconnect power at service panel prior to installation, troubleshooting or maintenance. Always follow NEC and local wiring requirements. Properly ground power supply and fixture. Do not connect output of power supplies in series or parallel.

All LED module wire connections are white to white and red to red. Power supply to LED module connections are red to red and black to white.
Operating temperature -40ºC to 70ºC

Step 1

Layout the design and test on a sample letter. For layout support use chart 1 below or contact Signa Technical Support at 1-800-BALLAST.

Step 2

Clean letters with a non-petroleum-based product and let dry. Arrange LED strips inside the letter.

Step 3

Peel off the tape backing and place the LED modules into the desired location. Use an area on the LED module other than the LED to apply pressure. Secure module as needed with #6 pan head sheet metal screws or 1/8" rivets.

Step 4

Make connections between LED strips using IDC connectors, butt splices or wire nuts. Wires can be cut or connected between any LED module. Modules can be arranged in series or parallel.

Step 5

Cover open wire ends using wire nuts and non-water-based silicone to prevent the connections from touching the sign.

Step 6

Drill access holes where required for the power supply wires. Connect the red wire from the power supply to the red wire on the LED strip. Connect the black wire from the power supply to the white wire on the LED strip.