



Shenzhen Elisa LED Co., Ltd

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Innovation Center, Guanghui Road, Longteng Community, Shiyan
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PRODUCT SPECIFICATION

3625-DMX512 RGBW 3D Flex Wall Washer Light

Model No.: XXA-FWW3625-3D512RGBW





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PRODUCT OVERVIEW

This series of 3D flexible wall washer lights is designed for architectural facades, bridges, and landscape lighting. Featuring high-density SMD5050 LEDs and the TM512 control IC, this RGBW512 light delivers uniform, vibrant colors with 20° / 30° / 25° x 45° beam angle options. The flexible design allows for both vertical and lateral bending, making it ideal for creative curved installations. It operates on DC24V, is IP67 waterproof, and supports DMX512 control for dynamic lighting effects.

MODEL COMPARISON

Parameter	Standard Specification
Part No.	XXA-FWW3625-3D512
Light Source	SMD 5050 RGBW (4-in-1)
LED Density	24 LEDs/m
Beam Angle	20° / 30° / 25° x 45°
IC Chip	TM512
Control Protocol	DMX512
Operating Voltage	DC24V
Power Consumption	24W/m
Waterproof Rating	IP67
Standard Length	5m / reel (customizable)
Curting Distance	250mm
Working Temperature	-20°C ~ +60°C
Weight	884 g/m

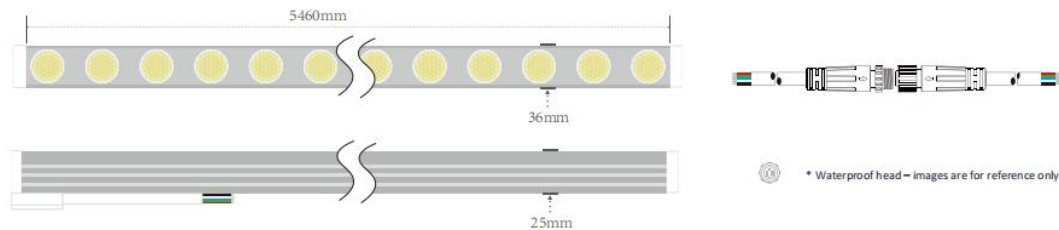


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DIMENSIONS



ELECTRICAL & CONTROL

Parameter	Specification
Control Protocol	DMX512 (TM512 IC)
Control Features	Individually addressable; supports dynamic color changing
Connector Type	Waterproof male/female connectors
Power Supply	DC24V (required)
Power Consumption	24W/m
Power Injection	Recommended every 5 meters (one power feed per 5m segment)
Wiring	Do not connect different power supplies to the same common positive; ensure all connections are made before powering on

FEATURES

1. Flexible 3D Bending

The light strip supports both vertical and lateral bending, allowing for creative 3D installations. Minimum bending diameter: $D \geq 300\text{mm}$ (lateral), $D \geq 400\text{mm}$ (vertical).

2. High-Performance RGBW Output

Combines RGB and White (3000K ± 150) LEDs for rich color mixing and pure white light. Luminous flux up to 1020 lm (RGB+W) at 41 lm/W.

3. IP67 Waterproof

Fully sealed with waterproof connectors and a silicone tube, suitable for outdoor architectural and landscape applications.



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4. Robust Aluminum Profile

Compatible with a custom-length aluminum profile (443g/m) for heat dissipation and structural support. Includes mounting clips and adjustable brackets.

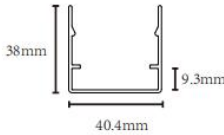
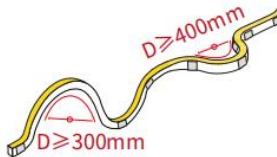
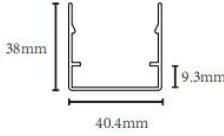
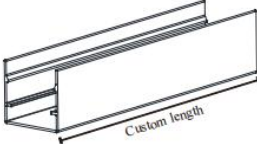
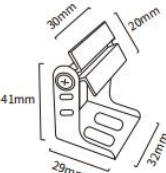
5. DMX512 Control

Equipped with TM512 IC, supporting DMX512 protocol for professional lighting control systems.

6. High Light Efficiency

Delivers high luminous flux per watt with low power consumption (24W/m). Beam angle options include 20°, 30°, and 25° x 45°

INSTALLATION ACCESSORIES

product model	weight	size	install
fastener	18g	 	
Aluminum profiles	443g/m	 	
adjustable support	15g		



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APPLICATIONS

Architectural facades and building outlines
Bridges and landscape lighting
Commercial buildings and shopping malls
Hotels and entertainment venues
Creative 3D lighting installations



IMPORTANT INSTALLATION NOTES

Consideration	Recommendation
Power Supply	Use a DC24V power supply. Do not connect AC110V/220V directly to the LED strip. Ensure the power supply is connected before powering on.
Power Injection	One power feed every 5 meters is recommended. Do not connect different power supplies to the same common positive.
Direction	Ensure the arrows on the strip are aligned in the same direction during installation.
Bending	Avoid sharp bends. Minimum bending diameter: $D \geq 300\text{mm}$ (lateral), $D \geq 400\text{mm}$ (vertical).
Handling	Do not twist, step on, or hang the light by the power cord.
Wiring	Suspended wires must be insulated.



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CERTIFICATIONS & COMPLIANCE

Parameter	Specification
Waterproof Rating	IP67
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-30°C ~ +80°C
Certifications	CE, RoHS (contact manufacturer for details)

SYSTEM SCHEMATIC

DMX Controller (e.g., K-10000C) → DC24V Power Supply → 3D Wall Washer
Light (XXA-FWW3625-3D512)

*Maximum run length: 5 meters per power feed. Ensure all connections are made
before powering on.*

