



1 - Channel SPI Controller, Running Water Effect, 2048 Pixels, Dimming Capable

- Single-channel SPI output for synchronized pixel control
- Supports up to 2048 pixels for large-scale coverage
- Adjustable running water effect speed, intensity and pattern
- Dimming function for variable lighting ambience
- Connected LEDs rated for 50,000 hour lifetime
- Backed by a 1-year warranty

OVERVIEW

The C-SP1-1K-1 is a 1-channel SPI controller designed for running water effects and LED dimming applications. It is suited for large-scale commercial and architectural lighting installations where synchronized, dynamic control across a high pixel count is required.

The controller supports up to 2048 pixels and communicates via the SPI protocol for reliable, synchronized data transfer. It provides adjustable control over water effect speed, intensity, and patterns, as well as dimming functionality to accommodate varied lighting environments.

The controller carries a 1-year warranty, and connected LEDs are rated for a 50,000 hour lifetime.

SPECIFICATIONS

OPTICAL

LED Lifetime50,000 h

ORDERING

Warranty1 y

APPLICATIONS

- Architectural facade lighting
- Large-scale pixel LED installations
- Commercial water effect displays
- Decorative dynamic lighting projects

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.