

## Product Overview

### LV5235V: LED Driver, 18-Channel

For complete documentation, see the data sheet.

The LV5235V is a 18-channel LED driver IC that is capable of switching between constant-current output and open drain output. It enables 3-wire serial bus control (address designation)/I2C serial bus control to be set arbitrarily using an external pin. Also possible are 18-channel LED ON/OFF control and the setting of the PWM luminance in 256 steps. The device also has a built-in fade-in/fade-out function. Up to 32 driver ICs can be connected using the slave address setting pins.

### Features

- 18-channel output constant-current LED driver/open drain output LED driver (selected by using an external pin)
- Luminance adjustment using internal PWM control (256 steps)
- Fade-in/fade-out function (PWM control priority), supporting synchronous connection
- Selection of 3-wire/I2C serial bus control signals enabled (switching using an external pin)
- Low current consumption
- Output malfunction protection circuits (thermal protection function, UVLO detection protection function)

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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