

# DETAILS ON DIMMING

0-10V

Used as an early fluorescent dimming system and still used today, **0-10V dimming has been adapted to become a reliable LED dimming control protocol**. The control signal is a DC voltage that varies between zero and ten volts. The controlled lighting should scale its output so that at 10V, the controlled light should be at 100% of its potential output, and at 0V it should be at the lowest possible dimming level. Applications include architectural and larger capacity systems. Maximum 1800W for typical configurations.



LUTRON  
NTSTV-DV-WH



LUTRON  
DTVV-WH



LEVITON  
IP710-DLX

Not all lighting products are dimmable, and not all dimmers work with all lighting products. To check compatibility with a specific combination of dimmers and lighting fixtures, consult the factory at [design@pureedgelighting.com](mailto:design@pureedgelighting.com).

## UNDERSTANDING DIMMING RANGE

### Some power supplies don't dim all the way to 0%

If the light output can only be dimmed from 100% down to 10%, there must be a switch or relay available to kill power to the system and turn the light completely off (included in suggestions above).

- Most 0-10V controllers offer either a built-in line voltage relay or an external line voltage relay. Depending on the application, these options should be considered.

## WHAT ARE THE ADVANTAGES OF USING DIMMERS?

- Create the mood and atmosphere of a room.
- Save energy.

**Dimming a fixture 20% saves 20% in energy**