



LED Drivers Matter

Which Driver is in the Luminaire You're Specifying?

LED Drivers Matter. LED drivers support visual comfort, enable everyday lighting as well as architectural accent, and enhance the performance of your luminaire, whether indoor, outdoor or industrial/demanding environments.

LED drivers by eldoLED® deliver quality of light, power quality, and connectivity with control options.

Look for unique value that can only be delivered by eldoLED drivers within the luminaires of your choice from downlight to linear, industrial to outdoor, and mainstream to architectural.



Indoor

- Enable everyday and artistic lighting
- Mimic natural light
- Provide visual comfort



Industrial/Demanding Environments

- Provide optimal illumination and performance
- Operate in demanding/harsh environments
- Address rigorous electrical conditions



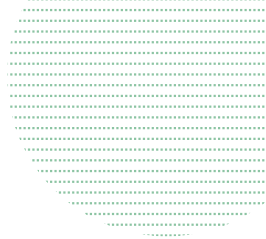
Outdoor

- Provide required connectivity
- Operate in all weather conditions
- Address rigorous electrical conditions



Enable Your Project with eldoLED Drivers

What do you want on your project?



Flicker

Indoor	Industrial/ Demanding Environment	Outdoor
• No visible or perceivable flicker over dimming range • No stroboscopic effect when filming (camera) • Complies with IEEE Standard P1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels • Addresses requirements of: California Title 24	• Complies with NEMA 77 standard at all dimming levels (ANSI C82.18 - 2022)	• Complies with NEMA 77 standard at all dimming levels (ANSI C82.18 - 2022)

Dimming

Indoor	Industrial/ Demanding Environment	Outdoor
• Dimming range from 100 to 0.1% or from 100 to 1% or from 100 to 5% • Complies with: NEMA - ANSI C137.1-2022; ESTA E1.3 (Analog 0-10V), ANSI E1.11-2008 (R2018), ESTA DMX 512, USITT • Addresses requirements of: California Title 24, ENERGY STAR®	• Dimming range from 100 to 10% • Complies with: NEMA - ANSI C137.1-2022; ESTA E1.3 (Analog 0-10V)	• Dimming range from 100 to 10% • Complies with: NEMA - ANSI C137.1-2022; ESTA E1.3 (Analog 0-10V)

Controls Interface Supported

Indoor	Industrial/ Demanding Environment	Outdoor
• Supports analog 0-10V OR DALI-2® (DT6 and DT8) OR D4i™ OR DMX OR nLight® OR SensorSwitch™ • Programmable auxiliary outputs compatible with wide range of sensors and wired or wireless controls devices	• Supports analog 0-10V OR D4i OR nLight OR SensorSwitch • Programmable auxiliary outputs compatible with wide range of sensors and wired or wireless controls devices	• Supports analog 0-10V OR D4i OR Cell Connect™ OR DMX OR nLight OR SensorSwitch • Programmable auxiliary outputs compatible with wide range of sensors and wired or wireless controls devices

Dynamic Lighting - Tunable and Color

Indoor

- Supports Tunable White with DALI-2 OR DMX OR nLight
- Supports architainment RGBx with DMX
- Ability to adjust color temperature over customized range
- Provides smooth transitions between intensity levels and color
- Provides color consistency in the space

Industrial/ Demanding Environment

- Not Applicable

Outdoor

- Supports RGBx and RGBW with DMX

Consistent Behavior at Start Up/Shut Down

Indoor

- No perceived timing difference at turn on, turn off and over dimming range
- Addresses requirements of California Title 24

Industrial/ Demanding Environment

- No perceived timing difference at turn on, turn off and over dimming range

Outdoor

- No perceived timing difference at turn on, turn off and over dimming range

No Electromagnetic Interference

Indoor

- Complies with FCC title 47 part 15 class A & B

Industrial/ Demanding Environment

- Complies with FCC title 47 part 15 class A

Outdoor

- Complies with FCC title 47 part 15 class A

Surge and EFT Protection

Indoor

- 2.5kV common and differential mode surge protection for indoor applications, complies with ANSI C62.41 Test Severity III - Cat A (ANSI C82.77-5-2017 Surge and Transient Standard)

Industrial/ Demanding Environment

- 6kV common and differential mode surge protection for industrial applications, complies with ANSI C62.41 Test Severity III - Cat B (ANSI C82.77-5-2017 Surge and Transient Standard)

Outdoor

- 6kV common and differential mode surge protection for outdoor applications, complies with ANSI C62.41 Test Severity III - Cat B (ANSI C82.77-5-2017 Surge and Transient Standard)

Additional Features

Indoor

- Configurable Thermal Protection for added safeguard based on known operating condition and luminaire design
- Ingress protection: IP20 rated driver enclosure
- Standby power < 0.5W - Low power consumption as luminaire is set to (electronic) off
- Environmental standards: complies with RoHS3, REACH Art 33, Living Building Challenge™ Red List exemption

Industrial/ Demanding Environment

- Configurable Thermal Protection for added safeguard based on known operating condition and luminaire design
- Ingress protection: IP66 rated driver enclosure
- Standby power < 1W - Low power consumption as luminaire is set to (electronic) off
- Environmental standards: complies with RoHS3, REACH Art 33, Living Building Challenge™ Red List exemption

Outdoor

- Configurable Thermal Protection for added safeguard based on known operating condition and luminaire design
- Ingress protection: IP66 rated driver enclosure
- Standby power < 1W - Low power consumption as luminaire is set to (electronic) off
- Environmental standards: complies with RoHS3, REACH Art 33, Living Building Challenge™ Red List exemption

LEARN MORE ABOUT WHY LED DRIVERS MATTER

www.acuitybrands.com/led-drivers-matter

