



Excellence in LED Lighting



# e-Solis™ Edge Lit LED Panels



# A Revolution in Lighting Innovation

## *e-Solis™ – A breakthrough in design innovation and the future of solid state lighting*

- Industry-leading efficacy, > 110lm/W for energy savings of up to 50% versus traditional fluorescent fixtures
- High quality (CRI > 85), smooth lighting distribution with directional output options for an unsurpassed illumination experience
- Elegant low profile (0.5" ultra-thin frame) for new lighting design concepts
- Full compatibility with intelligent lighting control systems for improved energy efficiency and savings
- Unique remote control option to allow personalized management of lighting levels
- Full range of color temperatures and lumen outputs to meet a wide range of application needs

e-Solis panels are the perfect lighting solution for commercial and industrial office buildings, retail space, conference centers, hospitalities, classrooms, and warehouses – offering significant improvements in lighting quality and high energy savings.

## Highest Efficacy: Maximum Energy Savings

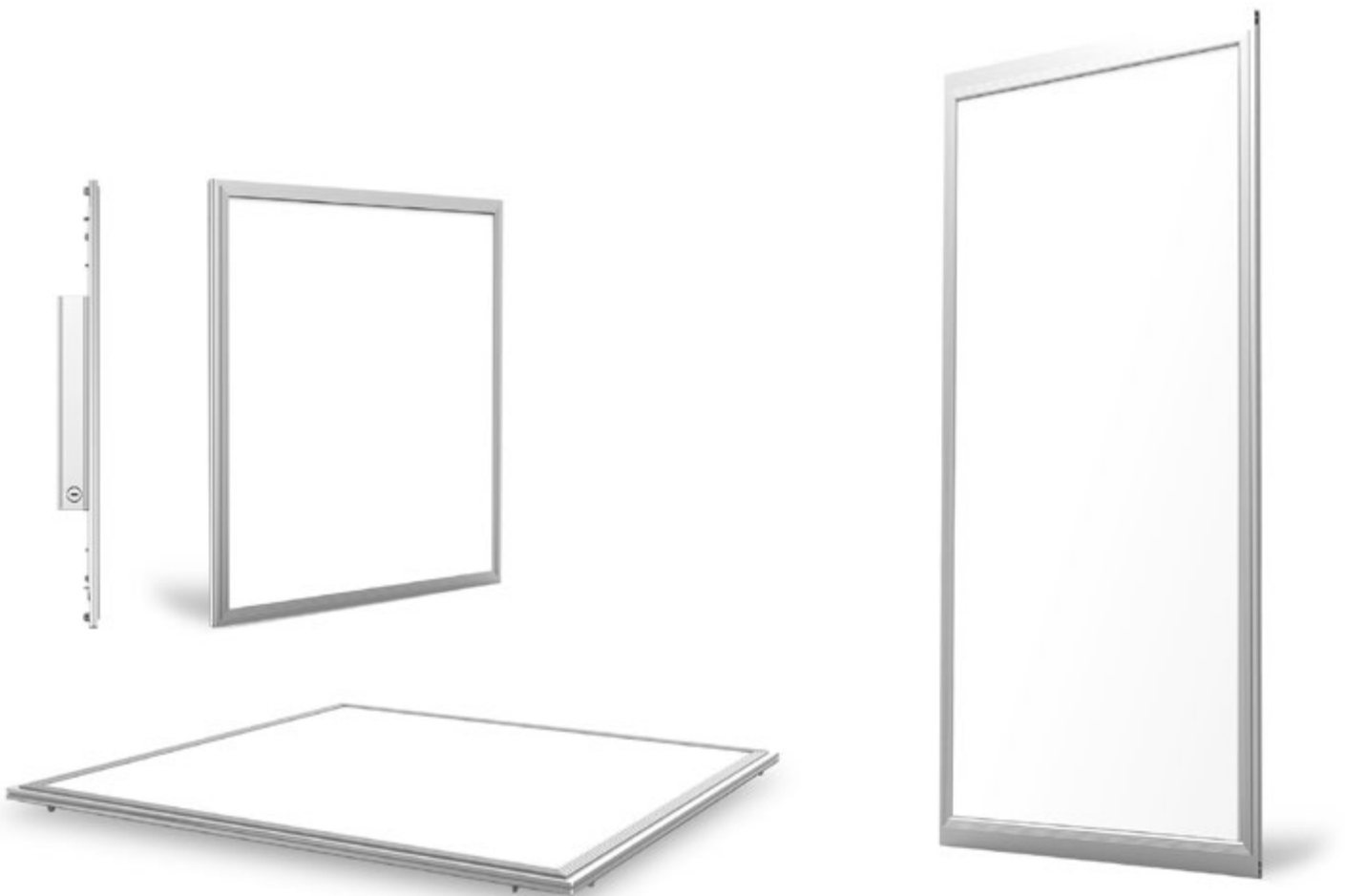
Axlen's e-Solis edge lit LED panels use our next generation waveguide optical architecture and proprietary light recycling designs to produce a revolutionary solid state luminaire with exceptional efficiency. Incorporating optimized LED chip technology from tier one suppliers, e-Solis panels yield an industry-leading efficacy of  $>110\text{lm/W}$  – performing over 30% above the DesignLights Consortium® requirement. This ensures optimized energy savings of up to 50% versus traditional fluorescent fixtures and no unwanted heat or UV radiation.

## Elegant Low Profile: New Lighting Design Concepts

The revolutionary edge lit LED architecture enables an extremely low profile design and a seamless fit into most commercial office buildings with a traditional suspended ceiling grid. The low profile design and convenient mounting brackets mean that e-Solis panels are equally stylish and functional as a high ceiling surface mount or hanging canopy fixture. However, perhaps the panel's greatest attribute is the high quality (CRI  $> 85$ ) light output which, combined with the ultrathin sleek profile has lighting designers exploring totally new concepts in illumination – from wall structures to floor panels to customized artistic designs.

## Proprietary Optical Films: Smooth Lighting Distribution

With Axlen's proprietary optical film technology, e-Solis maximizes light extraction from the panel and provides a completely smooth "no-glare" lighting distribution. The standard panel offers the traditional Lambertian light profile but Axlen's customized films allow for a range of directional capabilities to suit a broad set of illumination needs.



### **Network Ready: Intelligent Lighting Control**

e-Solis panels are fully dimmable and come ready for straight forward integration into localized or networked smart lighting control systems through an integral power supply unit. An optional 24V power supply can be included in the supply junction box to drive a wide range of leading brand sensors for optimizing lighting levels and maximizing energy savings. The panel accepts a 0-10V dimming signal from the sensor and adjusts the lighting levels and energy savings based upon building occupancy, time of day, or the natural ambient lighting conditions.

### **5 Year Warranty: Industry Compliant and Environmentally Friendly**

e-Solis panels are covered by a 5 year warranty with an expected lifetime of over 50,000 hours based upon an L70 lifetime estimate. e-Solis is UL listed, fully qualified by the DesignLights Consortium, and meets the requirements of California's Title 24 building codes. The high efficacy and energy savings provide a direct environmental benefit with significantly reduced greenhouse gas emissions. Further, e-Solis is fully RoHS, FCC, and CE compliant and contains no mercury.

### **Full Range of Product Offerings**

The e-Solis panel series encompasses a wide range of products in 2' x 2' and 2' x 4' panel sizes with standard or directional light output, a selection of warm to cool color temperatures, and lumen outputs from 3,000 to 10,000 for panel, low bay, and high bay/aisle installations. In addition, e-Solis panels serve as "building block" modules for higher lumen output luminaires for other high bay type applications.





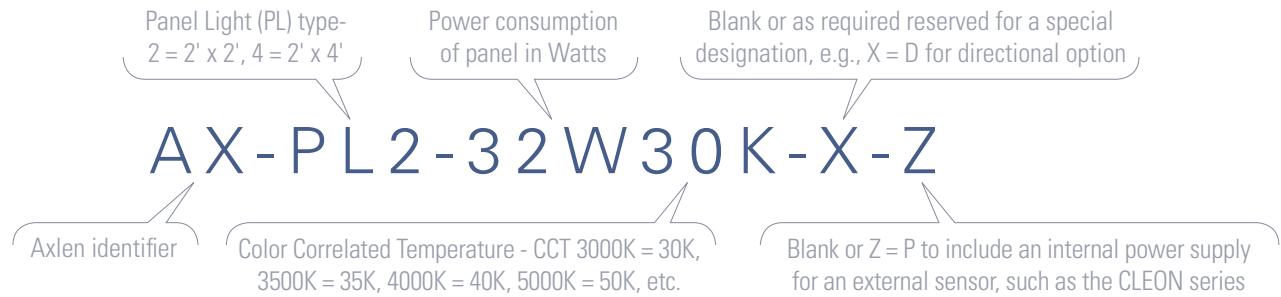
# Remote Control Capability

The e-Solis panel can be remotely controlled through Axlen's smart lighting system to enable features such as tasking tuning and personalized control. Lighting levels are conveniently adjusted to meet personal needs with a simple handheld remote. The CLEON™ sensor affords a sleek low profile for unobtrusive ceiling installations.

**The CLEON series** provides simple and elegant task tuning of the e-Solis panel.

- Simple IR remote control interface
- Ability to store preferred lighting levels
- 0-10V precise lighting level control (smooth dimming control to <20%)
- Building occupancy/motion sensor options
- Daylight harvesting capability
- Time-of-day control
- Control of multiple Axlen LED drivers
- Low power consumption (optional 24V drive can be included in the e-Solis power supply unit)
- Compact sensor head (1.3" x 3" x 0.3")
- Optional low profile sensor head

## Part Numbering System



Product Type	Part Number*†	Lumen Output
<b>DLC Certifiable Panels (v2.1)</b>		
2' x 2' Panel	AX-PL2-32WYK	3200-3500
2' x 2' Panel/Low Bay	AX-PL2-50WYK	~5000
2' x 4' Panel	AX-PL4-32WYK	~3700
2' x 4' Panel/Low Bay	AX-PL4-50WYK	~5800
2' x 4' High Bay	AX-PL4-100WYK	~10000
<b>UL Listed Panels</b>		
2' x 2' Panel	AX-PL2-32WYK-D	~2800
2' x 2' Panel	AX-PL2-50WYK-D	~4000
2' x 4' Panel	AX-PL4-32WYK-D	~2900
2' x 4' Panel	AX-PL4-50WYK-D	~4600
2' x 4' High Bay Aisle	AX-PL4-100WYK-D	~8000

\*Y=30, 35, 40 or 50

†Add -P to the part number to include a power supply for an external smart lighting sensor



## Excellence in LED Lighting

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