

XtremeLUX

XtremeLUX was founded in 2011 and is based in Campbell, California with five principals. The Company has developed a high-value, digitally controlled lighting platform that enables customized indoor farming ecosystems from plant research to large-scale production.

REVENUE MODEL

- XtremeLUX sells its hardware-firmware LED lighting systems to indoor farming equipment integrators and large-scale growers.

KEY INVESTMENT THEMES

- XtremeLUX utilizes its platform across multiple product types, including mothering, cloning, vegging, blooming, and fruiting for high yield of food crops, cannabis, medicinals, and biologics.
- The Company has the ability to customize its dynamic digital control of spectrum lighting to meet customer needs w/ precision
- XtremeLUX seeks to grow with its customers as they transition from R&D or small-scale trials to large-scale production.

Critical Success Factors

- XtremeLUX has eight total U.S. patents, six issued and two currently pending, as well as several foreign patents.
- XtremeLUX's state-of-the-art digital lighting systems, with AI edge and cloud processing capabilities from partners, will enable farmers to 2x yields and reduce operating costs by 50%.
- The Company's LED systems are able to provide precise control of the red, far-red, green, and blue spectral components with 100% photon flux control over a 1000:1 range.
- XtremeLUX's lighting platform is able to integrate low-cost I²C sensors over long distances using its high-noise-immunity patents.

Key Customers

- Multiple customers grow cannabis, grow strawberries, manufacture complete growth systems, and conduct plant R&D.
- Interested in partnering with Tier 1 vertical farming integrators, such as Aerofarms, Plenty, and others.

COMPETITOR LANDSCAPE

- Signify  Current Lighting 



KEY INDIVIDUALS

- **Dr. Edward Stoneham**, Co-founder and CTO: Earned his Ph.D. in Applied Physics from Stanford University; previously worked 13 years at HP and 24 years across three Silicon Valley startups
- **Chiamin Cheng**, Co-founder and CEO: Previously Sr. Director of Field Engineering at NextNav; over 20 years of electrical engineering experience
- **Dr. Chinwang Tu**, COO: Earned his Ph.D. in Physics at Colorado State University; Co-founder of optical fiber company

POTENTIAL TRANSACTION OVERVIEW

Sources (\$ millions)		Uses (\$ millions)	
New Capital	\$ 1.0	Speed development of new products for certain customers	\$ 1.0
Total Sources	\$ 1.0	Total Uses	\$ 1.0

Transaction considerations: Open to \$1M investment and partnering
Prior funding rounds: Self-funded by two founders

Smart Indoor Farming Ecosystem

