

LumaDrive™ Turnkey Solutions for Lighting Integrators

INDUSTRY

Industrial and Horticultural Lighting

SOLUTION

LumaDrive

APPLICATION

Lighting Systems

CHALLENGE

Operating within the rapidly evolving field of industrial and horticultural lighting, integrators are increasingly tasked with providing comprehensive, centralized power solutions. The customer in this case study is a leading integrator in the industrial lighting and horticulture sector, committed to delivering high-performance lighting systems.

Centralized power distribution systems offer a variety of financial and logistical benefits. However, typically, industrial lighting integrators face many obstacles in implementing lighting systems with centralized power, including:

- The need to source and combine multiple components from various suppliers
- Dependence on skilled electricians for system assembly and maintenance
- High capital expenditures (CAPEX) and operational expenditures (OPEX) due to the complexity of wiring and distribution
- Lack of scalability and flexibility in existing solutions offered by competitors
- Longer project timelines

SOLUTION

Recognizing these challenges, customer partnered with AE to implement the LumaDrive™ remote driver system. LumaDrive is a turnkey solution designed specifically to address the needs of lighting integrators and end users.



The system offers:

- Integrated hardware cabinet: All necessary power hardware is consolidated into a single, scalable cabinet, streamlining both installation and future upgrades.
- Comprehensive electrical wiring and distribution: The solution includes all required electrical infrastructure, significantly reducing installation complexity, CAPEX, and OPEX.
- Simple connectivity: Installation requires only a standard AC input and a DC light output connection, making it easy for integrators without extensive electrical expertise.
- Flexible and scalable design: The system accommodates a wide range of project sizes, ensuring adaptability for future expansions or changes in lighting requirements.

RESULT

The deployment of LumaDrive provided immediate and measurable benefits:

- Reduced installation costs: By eliminating the need for extensive electrical subcontractor involvement, the customer realized savings of thousands of dollars per installation.
- Accelerated project timelines: The turnkey nature of LumaDrive allowed for faster deployment, reducing downtime and enabling quicker returns on investment.
- Increased flexibility: Unlike competing solutions, which often restrict integrators to proprietary light systems, LumaDrive offers compatibility and scalability, empowering end customers with more choices and future-proofing their investment.

CONCLUSION

AE's LumaDrive enabled the customer to overcome significant industry challenges. Their adoption of this solution has transformed their approach to lighting integration, streamlining project execution, reducing costs, and providing unmatched flexibility.



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