



LANTANA  LED

LANTANA LED Lighting for Data Centers

Poor lighting can affect the overall energy efficiency of a data center. Inefficient lighting fixtures or excessive lighting in certain areas can result in unnecessary energy consumption, increasing operational costs. The right lighting makes it easier to navigate the facility, identify potential hazards, and respond quickly to emergencies, reducing the risk of accidents and injuries to persons and equipment.

LED Lighting Considerations

Not all LED lighting is created equal. Make an informed decision by learning the most important criteria when choosing to illuminate your Data Center.

Budget

With budgetary constraints, it's easy to choose cheap lighting. Quality lighting with higher upfront costs can offer long-term savings in energy consumption and maintenance for better ROI.

Efficiency

Lighting contributes to energy consumption. Choose LED lighting with a high lumen output, has a longer lifespan, and produces less heat to save by reducing cooling requirements.

Luminance

Luminance is the amount of light emitted by the fixture. Choose fixtures with high-lumen outputs and precise optical distribution for bright, uniform lighting.

Color Temp

Color temperature can affect readability and concentration levels. Look for neutral or cool lighting between 4000k - 5000k for a more productive environment.

Safety

Placement and power types pose different safety hazards. Low Voltage and PoE let workers control the lights from a safe distance and are less likely to produce electrical shocks.

Longevity

High-heat environments can cause many fixtures to fail. Choose lighting that features the designation of UL-Certified for Elevated Ambient Operating Temperatures and offers long lifespans at 90% efficiency (L90).

Power Options



Integrated Drivers

- Convert to low voltage
- Compact design
- Consistent performance
- Regulate power
- Energy efficient



Distributed Low Voltage

- Centralized maintenance
- Reduced power conversion stages
- Minimized energy losses
- Optimized system efficiency
- Flexible and adaptable for refits
- Optional controls integration



Power over Ethernet

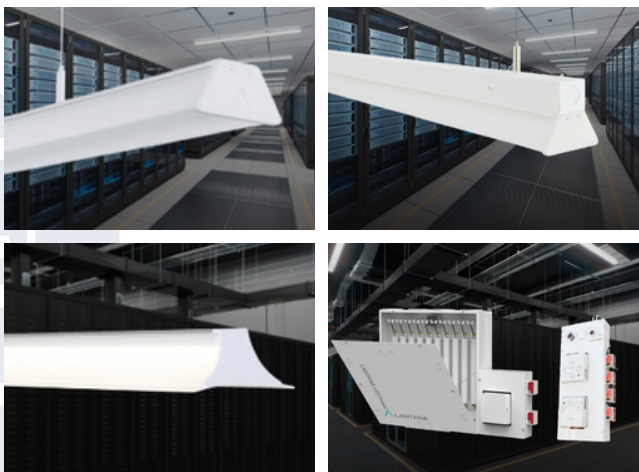
- Powered by Ethernet cables
- Optimized energy use
- Simplified installation
- Advanced control capabilities
- Data analytics capture

Achieve Sustainability Goals and Cost Reductions with LED Fixtures Designed for Hot Aisle Applications.



Repurpose Energy Waste to Increase Server Capacity and Revenue

Reduce Risk from Poor Illumination and Improve Operations, and Safety for Employees and Equipment



- UL-certified for elevated ambient temperatures up to 70° C, ideal for hot aisle applications and other high-temperature environments.
- Up to 164.7 lumens per watt for maximum efficiency.
- Engineered to minimize heat-induced failures.
- Extended lifespan >71,000 hours at 90% efficiency (L90), reducing fixture turnover and refresh costs.
- 10-Year Linear Warranty.
- Up to 25% indirect, 85% direct lighting distribution on a single channel.
- Dimming down to 1%.

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