



# LIGHTING FOR DATA CENTERS

With the right lighting solution, data centers can better control temperatures, reduce the risk of damage, maintain temperatures, and realize significant energy and cost savings.

## STAGGERING CONSUMPTION & COSTS

Data Centers store, process, and communicate data for information services like email, social media, streaming videos, computing, and any other online or internet-related function. Servers, storage drives, and network devices require an enormous amount of electricity. According to the United States Department of Energy's Annual Energy Outlook, 2020, one large data center can require as much electricity as 80,000 US households. Electricity to power the devices is only a portion of consumption as these same devices convert that electricity into heat that then require additional energy to cool.



## IMPROPER LIGHTING IMPACT

With no windows and flat black equipment cabinets, there is very little, if any, reflective light. Improper light placement can cast unnecessary shadows impairing visual perception for security cameras and employees.

Improper placement is not only a visual impairment; it makes servicing the fixture difficult and presents a safety hazard for employees. Even something as simple as changing a light bulb could cause significant damage as maintenance crews navigate sensitive equipment to service the fixtures.

## THE LANTANA DATA CENTER SOLUTION

LANTANA is the premier choice for data centers, with more than 75,000 light fixtures and 7000 remote driver units illuminating more than 16 million sq. ft. of data centers across the country. LANTANA'S energy-efficient and environmentally friendly architectural fixtures and accompanying remote driver units offer distinct advantages for data centers. The LANTANA luminaires are designed to dissipate heat without excessive temperature gains and tested to withstand ambient operating temperatures of 32° - 185°F (0°- 85 °C.)

### ENERGY EFFICIENCY

Designed for hot and cold aisle applications, LANTANA Luminaires are among the most efficient LED light fixtures sold in the market. Tested on efficacy, controllability, lumen maintenance, and driver ISTMC, LANTANA Architectural Lighting solutions are DLC premium, offering owners energy savings and rebates. Integrated occupancy and motion sensors provide on-demand lighting to extend bulb life, security and reduce running costs and electricity.

### MATERIAL & LABOR SAVINGS

LANTANA's various mounting and Power Over Internet (PoE) options often do not require conduit or excessive wiring, saving owners on additional material and labor costs. LANTANA architectural light fixtures offer an exceptional lifespan to reduce maintenance and replacement costs with an extremely low failure rate.

**Lumen Maintenance 122° F  
24 Hours per Day**

**TM-21 L70 - 238,600 Hours / 54 Years**

**TM-21 L80 - 149,700 Hours / 34 Years**

**TM-21 L90 - 71,400 Hours / 16 Years**

### PROPER LIGHTING, SAFETY, AND PROTECTION

LANTANA light fixtures deliver up to 147 lumens per watt and provide 75% direct/25% indirect light that illuminates the space evenly. Proper illumination offers workers a more comfortable and productive work environment. Plus, the unique design of LANTANA luminaires offers additional eye protection from afterglow, making them safe to look at directly.



Protect sensitive equipment and workers with the LANTANA remote driver unit (RDU). The distributed low voltage power system centralizes access to fixtures and drivers. Maintenance crews may access drivers and ballasts away from sensitive equipment, protect themselves, and save the company from costly damage.

### CONSTRUCTION

- Extruded anodized aluminum spine
- Acrylic co-molded diffusing housing
- White plastic endcaps
- Custom colors available

### MOUNTING

- Pendant
- Unistrut
- Surface Mounting

### LENGTH OPTIONS

- 4', 6' and 8' fixtures
- Quick-connect for 88' continuous run

### OPTICS

- Dual finish acrylic lens providing naturally diffused light
- Efficiency up to 147 lumens/Watt
- Full range dimming
- Ambient environment operating temp: 32° - 185°F (0° - 85 °C)
- 25% Indirect
- 75% Direct

### COLORS TEMPS

- Within 2-3 McAdams
- 3000K, 3500K, 4000K, 5000K

### POWER OPTIONS

- Remote Class 2 Driver
- Integral Class 2 Driver (120/277/347 VAC)
- Power-over-Ethernet

### EMERGENCY OPTIONS

- UL 924 listed
- Onboard battery backup available

### WARRANTY

- 10 years



Designed in the USA  
Manufactured in USA  
and Canada

