

Is Your Industrial Facility Ready for Electronic LED Lighting?

Power Quality Monitoring & Data Analysis by Electrotek Expert Engineers Can Provide You the Answer

Electrotek's expert power quality (PQ) monitoring and data analysis software tools combined with our 34 years of power systems & PQ engineering expertise can be used to recognize PQ disturbances and deficiencies in your wiring and grounding system that will shorten the performance and life of your LED lighting system before the system is installed.

Our vast experience in working with industrial plants demonstrates the gamut of PQ problems that occur in these plants. Surge and transient voltages can cause electronic LED drivers to fail prematurely, despite the type and level of surge protection included in fixtures and drivers.

Electrotek has worked with 100's of industrial plants and LED lighting equipment manufacturers to determine the cause of failures of LED lighting systems and the solution to the PQ problems to ensure LED lighting operates as customers and manufacturers expect.

Remote PQ Monitoring Minimizes Plant Interruptions

Electrotek's high-performance PQ monitoring and data analysis systems are operated and downloaded remotely to our servers to prevent interruptions to plant staff. Electrotek will provide up to two Dranetz HDPQ Xplorer PQ monitors combined with a digital cellular modem to download your PQ data to our servers for analysis. Monitor and modem installation is easy and can be accomplished in less than 30 minutes.

Expert Review of Your One-Line Electrical Diagram

Electrotek expert PQ engineers can review your one-line electrical diagram to determine the non-linear loads likely to generate PQ disturbances that can shorten the life of your LED lighting system. Our review can also be used to instruct you where to make critical wiring and grounding measurements, leading to the identification of areas in your system requiring possible maintenance and upgrades.

Data Analysis Starts on the First Day of Monitoring

Electrotek's expert data analysis system starts analyzing your PQ data on the first day data is downloaded to our servers. Automatic downloading ensures PQ data is captured from your facility every two hours. Our expert systems analyze data each time it's downloaded and provide advanced Electrotek PQ trends, charts and disturbance waveforms characteristic of the PQ problems occurring in your facility.

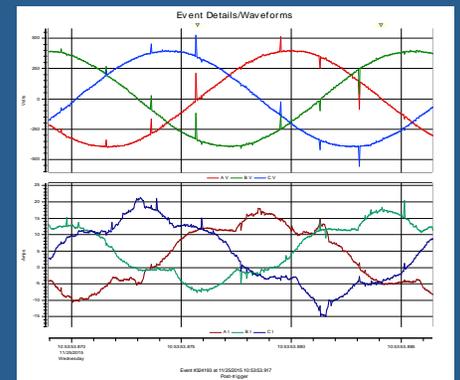
Proactive PQ Characterization of Your Electrical System Can Provide Needed "Insurance" Against LED Lighting System Failures

While actual insurance against pre-mature LED lighting failures cannot be provided by any organization, Electrotek's proactive PQ characterization process will provide you with the baseline information required to establish an "acceptable level" of PQ combined with verification of performance for PQ mitigation equipment installed before or after the LED lighting system installation. Our data analysis will provide you with a reference indicating the plant electrical system could provide a compatible level of PQ the day your LED lighting system installation begins to the day it's complete through the product warranty period.

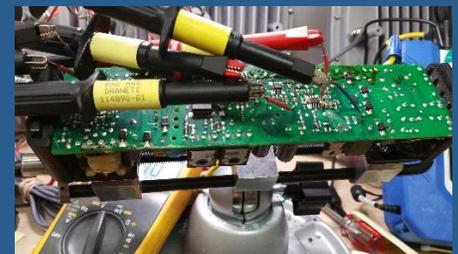
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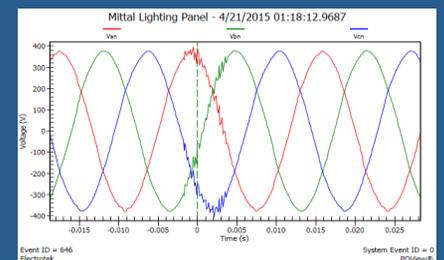
Adjustable speed drives can be threatening to LED lighting if not properly powered and grounded.



Adjustable speed drives can generate PQ disturbances damaging to LED lighting.



Electrotek expert PQ and electronics engineers analyze failed LED drivers to determine causes of failure related to poor PQ in industrial facilities.



Electrotek expert PQ monitoring and data analysis systems identify PQ disturbances harmful to electronic LED drivers in a steel mill.