

nLUMINAIRE

Overview



nLUMINAIRE is a PoE Connected Lighting System that uses ethernet cable to transmit DC power and data to efficiently power, monitor, and control LED light fixtures. It reduces installation and operating costs and lowers carbon footprint while enhancing safety and security. By implementing this elegant lighting system, both commercial and industrial buildings are becoming smarter and more sustainable.

nLUMINAIRE comprises of intelligent hardware devices and software suites that are simple to install, configure, and manage. The system is straightforward to deploy and compatible with any third-party LED light fixture and can be implemented in either upcoming lighting installations or existing LED lighting networks in renovation or upgrade situations.

nLUMINAIRE Benefits



Reduces Installation Costs

Installation costs for new lighting networks will be reduced significantly. Traditional lighting systems that use AC power need heavier gauge wire and a conduit as well as additional infrastructure for control purposes, plus dedicated resources to install these systems. However, an nLUMINAIRE PoE Connected Lighting System can be installed at the same time and by the same technicians who install data, telephone, security, and video systems, reducing installation costs.



Lowens Operating Costs

The nLUMINAIRE PoE Connected Lighting System allows facility owners and managers to have an integrated view of the energy usage of the whole facility. By monitoring, controlling, and maintaining all LED light fixtures of the network in real time, the management facility can pinpoint opportunities and venues to optimize energy usage, drastically increasing the operational efficiency and thus reducing the overall operating cost.



Improves Safety

Using low voltage category cable, nLUMINAIRE PoE Connected Lighting System significantly minimizes the chances of injuries from electric shocks and reduces the likelihood of fire caused by electric shorts to virtually zero.



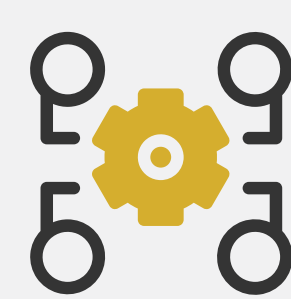
Improves Reliability

The nLUMINAIRE PoE Connected Lighting System does not rely on wireless technology. Since LED light fixtures are connected and controlled via ethernet cable, the connectivity will remain stable and uninterrupted.



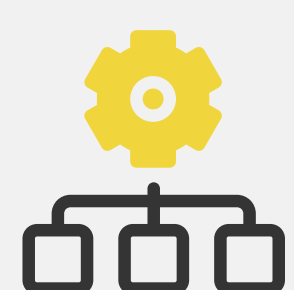
Reduces Environmental Footprint

nLUMINAIRE dramatically reduces energy consumption and minimizes the requirements of the AC hardwired electric infrastructure and its related hazardous risks, which, thereby, contributes to a better, more sustainable, and greener environment.



Leverages IP-based network

Since nLUMINAIRE is an IP-based system, lighting becomes part of the IT network. It creates a real opportunity to centralize and manage all connected LED light fixtures allowing its reach to extend beyond the immediate vicinity of the user and to other building services through any network-connected device.



Enhances Flexibility and Scalability

nLUMINAIRE PoE Connected Lighting System devices are plug-and-play and highly configurable. This makes it easy to add or remove devices without halting or disrupting the entire system. Furthermore, the PoE Connected lighting network can easily be expanded when it becomes necessary to add more devices in new locations.



Increases Energy Efficiency

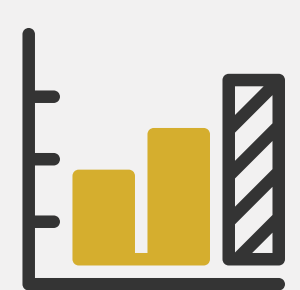
Buildings can incorporate multiple systems such as HVAC, video surveillance, smart blinds and more. By deploying nLUMINAIRE PoE Connected Lighting System, open APIs will eliminate all barriers between lighting and other building systems. This integration, as well as the capabilities of nLUMINAIRE in optimizing lighting levels and activities, will tremendously increase the efficiency of energy usage, which saves more money.

Moreover, as nLUMINAIRE PoE Connected Lighting System is an IoT platform, when the main server is down, the nLUMINAIRE Controller device will take over and function on its behalf. It acts as a server for other group devices so that the devices can continue to operate as usual. This feature ensures the lighting system works despite the main server going offline for unprecedented emergency occurrences.

nLUMINAIRE
by **CABSY**

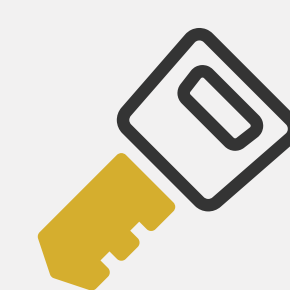


nLUMINAIRE Features



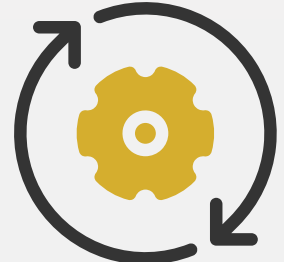
Advanced Analytics

The nLUMINAIRE PoE Connected Lighting System not only supplies power to LED light fixtures, but it can also reveal information about the building. By gathering real-time data and performing advanced analytics, facility management can learn more about their buildings, such as energy usage peak periods and which devices are in use and in which areas. All this information can be utilized to make data-driven decisions in the future.



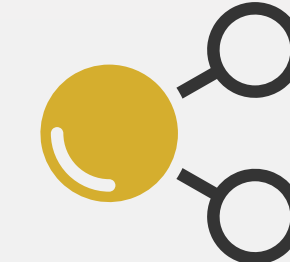
Secure

As an IP-based platform, nLUMINAIRE PoE Connected Lighting System ensures that lighting is not only smart, but also equipped with a high level of security. This is achieved via encrypted and secured communications in addition to multiple layers of security, including two-factor authentication to prevent account takeover, anti-phishing codes to prevent phishing emails, and OAuth2 keys to encrypt internal API-to-API connections.



Scheduling Capabilities

With nLUMINAIRE PoE Connected Lighting Systems, occupants can schedule specific light timings for the LED lights per the designated occupant role. Moreover, through predefined schedules and action lists, the facility management can quickly notify occupants of the need to leave a specific area, whether an emergency or not, while keeping the best path to the exit illuminated.



Remote Update and Configuration

The nLUMINAIRE PoE Connected Lighting System is capable of being updated and configured remotely. nLUMINAIRE devices can quickly assume control to address emergencies or promptly perform critical tasks. Remote access and control of the devices are also necessary for maintenance purposes to ensure optimal performance.



Available On-Premise (and In the Cloud)

The nLUMINAIRE PoE Connected Lighting System can be hosted on-premise or in the cloud. On-premise, it comes in two management license versions: Basic and Professional. For in-cloud hosting, it is available with an Enterprise Management License.



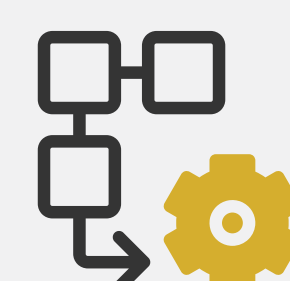
Ease to Manage

The nLUMINAIRE PoE Connected Lighting System is not only simple to install and deploy but it is also designed in a way that offers simplicity and ease to its users. nLUMINAIRE Manager features are made easy for users to operate where they can benefit the most from the system.



Fully PoE Lighting System

nLUMINAIRE depends solely on PoE technology to supply LED light fixtures with power. Unlike other systems available in the market, nLUMINAIRE PoE Connected Lighting System does not require power boosting from any external supply. This makes it a true PoE system that comes with all related benefits.



Sensing Capabilities

Our multifunctional sensor has the capability to harvest daylight and detect occupancy, whether static or in motion. It can adjust lighting dynamically to meet the occupants' needs and conditions. Building owners can now save more money on operating costs and lower the amount of energy waste, increasing the lifespan of LED light fixtures.

