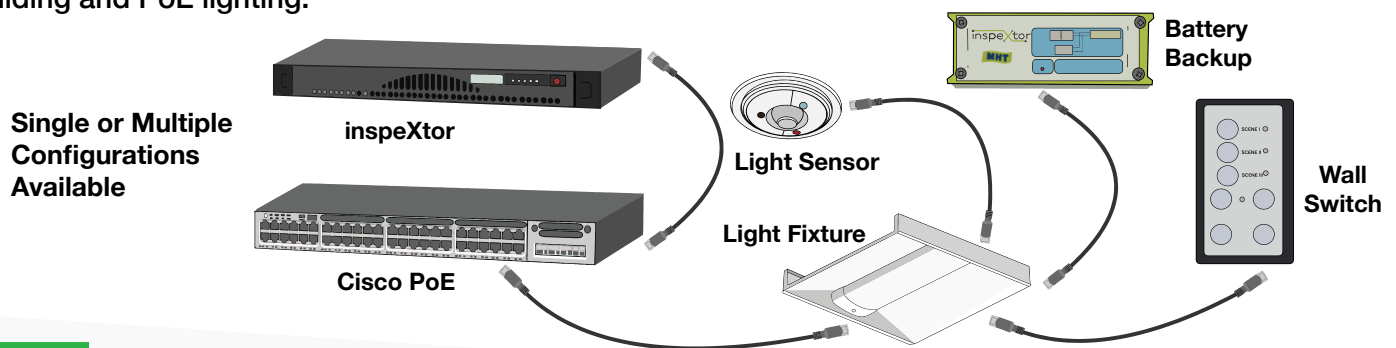


MHT Lighting – Powered by Panduit

## Design

MHT Lighting has been at the forefront of the low voltage and PoE lighting market for many years. With extensive experience implementing large-scale systems, MHT is a leader in the space, with the most robust platform on the market today.

The inspeXtor™ system gives clients the ultimate control over their space, saving up to 45% on installation costs, and reducing total cost of ownership when compared to traditional LED lighting. The system is highly scalable and can integrate with most building management systems to allow for a more comprehensive overview of the facility. The inspeXtor™ platform is the future of the digital building and PoE lighting.



## The inspeXtor™ Solution

- **Safe** – Using low voltage category cable, the risk of fire is eliminated
- **Flexible** – Easily add, remove or edit lighting policies and alerts
- **Scalable** – Using an open API and category cable, the system can be scaled to utilize almost all current and future technology upgrades in the building
- **Advanced Reporting** – Real-time reporting and alerts provide an effective way to manage energy consumption and space utilization
- **Facility Smart Hub** – Integrate with other systems quickly and easily to enable complete control of all systems
- **Secure and Reliable** – Flexible security options available (Cloud based/internal network), advanced technology, including a patent-pending low voltage battery back-up which keeps the lights on while maintaining and holding all policy and alert configurations

## Why MHT?

- MHT offers the most advanced PoE software solution on the market today
- 5 U.S. patents
- Expertise in lighting: over 10 years of providing LED lighting solutions
- Certified: U.S.-based ISO, ETL and UL certified facility
- Turn-key solution: Initial consultation --> Detailed lighting layout and fixture recommendations --> USA manufactured lighting --> On-site commissioning --> Ongoing support
- Comprehensive solution
- Third-party tested end-to-end solutions

# The Panduit Network Infrastructure Solution for PoE-Powered Lighting Applications

Panduit's copper cabling solutions provide the infrastructure for networks of all shapes and sizes, with support for any type of Power over Ethernet (PoE, PoE+ or PoE++). A single Ethernet cable delivers both power and data to network connected devices, for the ultimate in efficient installation and management. Heat rise from PoE is a non-issue with Panduit copper cables and connectors, which have been engineered to manage even the highest levels of PoE-induced heat without impacting cable performance.

Beyond the cabling and connectivity, lighting installations also require a physical infrastructure that varies based on the architecture being used. PoE switches can be located in a nearby telecommunications room, in the ceiling near the lights, or a hybrid of the two architectures can be used. Whichever architecture you are planning for your project, Panduit infrastructure can support it.

## Copper Cabling Infrastructure

Part Number	Description
PUP6AM04BU-UG	Cable – Category 6A UTP, plenum
PUP6C04BU-U	Cable – Category 6 UTP, plenum
PUP6C04BU-ULP	Cable – Category 6 UTP, plenum, LP rated
CJ6X88TGBU	RJ45 Jack – Category 6A
CJ688TGBU	RJ45 Jack – Category 6
FP6X88MTG	Field Term Plug – Category 6A/6/5e
UXPPBU10	Plenum Cord with modular plugs – Category 6A
UPPBU10	Plenum Cord with modular plugs – Category 6
CPPL24M6BLY	Modular Patch Panel, 24-port
CPPL48M6BLY	Modular Patch Panel, 48-port



**PANDUIT**<sup>®</sup>

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