Architecture

As one of the first LED Lighting manufacturers in the U.S., Innovative Lighting continues to break barriers in the lighting industry with its GENISYS PoE Lighting Systems. GENISYS has unlocked efficiencies never before possible using Ethernet cables to power, control, and monitor LED light fixtures. Governed by advanced and approachable integrated control software, GENISYS pushes energy savings to an unprecedented 90%. In this age of a networked world and the Internet of Things, GENISYS PoE Lighting is leading the way as the future of illumination and the gateway to the Digital Building.

PoE Switch IntelliDrive Wall Switch Sensor Optimized LED Light Fixture

The GENISYS Solution

- Design-flexible IntelliDrives (nodes) connect to a PoE power source to operate a number of lighting fixtures and controls (3-8 devices) to maximize each 60W powered port

    – Three output ports: 2 ports power up to 6 luminaires and 1 port for multiple controls

    – Multiple luminaire styles, including the new Leaf 2x2, the first fully recyclable composite fixture

    – 1% control granularity with all individually addressable components

    – Advanced lighting control with zone power monitoring/management

- Software-defined control with intuitive and approachable web-based interface

- Data acquisition supports proactive optimization of power usage and space utilization over time

- IntelliDrive is UL listed and NEMA rated, features 32-bit microchip and fully isolated power and data

Why GENISYS?

- GENISYS software tools empower energy management, maximize fixture life and enhance productivity

- Mobile device control and configuration, based on permissions

- Multi-function sensors provide PIR motion control, ambient light sensing and temperature sensing

- Fast commissioning: automatic discover, adaptive daylight harvesting, fast zone entry methodology

- Third-party integration with GENISYS software for systems such as Cisco IP phone lighting control, sound masking through Leaf Series lighting fixtures and many others

www.genisyslighting.com

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
PUP6AV04BU-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®

www.panduit.com