PoE

Power over Ethernet (PoE) is a technical standard whereby electrical power is transmitted over a hard internet connection via ethernet cables instead of electrical wiring. The technology allows intelligent buildings to fully integrate and centrally control building devices such as alarm systems, security cameras, telephones, printers, and LED lighting. Beta-Calco offers a full line up of PoE enabled luminaires for your PoE infrastructure.

Benefits of PoE:

CONVENIENCE

Ethernet can transmit both power and data which facilitates the integration of multiple devices including LED luminaires into the network infrastructure. This allows lighting fixtures to be installed where main power is not available and take advantage of the pre-existing network. Centralized control and administration makes troubleshooting and power management easier.

COST EFFECTIVENESS

PoE presents cost savings in the time, equipment, and labour involved in installing electrical power. Troubleshooting luminaires does not require a qualified electrician and is managed by the network. The convenience of network accessibility means that lighting can be installed where it is too difficult, thus costly, to install power lines.

FLEXIBILITY

The scalability of network technology provides the flexibility of installing lighting anywhere in a building. Expanding the number of luminaires in a space is significantly easier, as well as repositioning should the architecture change during construction. The flexibility to reposition fixtures provides ease of adapting the lighting to changes in space layout.

SIMPLICITY

Installation of network connections is much simpler than electrical. The absence of electrical wires means a more organized wiring closet, making troubleshooting of connections more efficient. Central administration of PoE makes power and energy management easier and more effective.