

Power over Ethernet (PoE)

Electricians have long been using luminaire cables to power commercial lighting. These cables are not ideal. They are bulky and heavy 277-volt / 120 -volt cables. Moreover, it is not an easy task to power AC LED lights with these cables.

Power over Ethernet (PoE) is new option available to electricians. PoE offers many advantages over luminaire cables:

- Uses DC power, rather than AC power
- DC LED lighting can be wired with category 6A cable
- Category 6A is small and easy to work with above suspended ceilings and tight areas.
- Power (low voltage lighting) is controlled through computer, rather than dangerous 277-volt panel board
- Have complete control over LED lights, rather than just through dimming cable, because computer controlled
- Small and compact
- No more bulky wires
- Can be easily carried
- Have complete control of lighting, including some outlets
- Harder to make errors
- Less dangerous system
- Manufacturers removing drivers in AC LED lights, so DC power can be connected to LED lights



