

TE Connectivity

2901 - Hybrid AC/DC Lighting System

Middletown, Pa | 10,000 sq ft. | \$250,000



Project Info

As a subproject to \$4.2 million project, Gatter & Diehl worked with TE Connectivity's Engineering Department in Middletown, PA to implement TE's new high efficiency EMerge standardized plug and play fluorescent DC lighting system. This system uses grid embedded power thru the suspended ceiling grid for serve lighting at 24v.

In additional to reduced energy consumption compared to similar office areas at TE, the project required significantly less installation labor as compared to essentially identical 10,000 sq ft installation using traditionally wired ac line voltage lighting fixtures. Use of the Flexzone system allows flexibility in lighting fixture layout. TE expects future reconfiguration costs to be minimal due to the embedded ceiling grid low voltage (24Vdc) power distribution systems, which will not require re- power interruption or wiring.

Services Provided

- Planning with TE product engineers
- AC/DC Flexzone LV grid calculations
- Systems Integration with architects concepts
- Detailed layout of grid and lighting system
- AC/DC power distribution & layout
- Lighting photometric calculations
- Coordination of Plug & Play lighting/power
- Focal Pointe Lighting systems integration
- Control integration with Siemens
- Close coordination with TE Facilities Department
- Permit Submissions
- Bidding/RFI's
- Construction Administration

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