

LUMINAIRE LEVEL LIGHTING CONTROLS SERIES

Lighting Controls in K-12 Schools

This guide outlines key concepts and design considerations best addressed with Luminaire Level Lighting Controls (LLLC).

For most K-12 school projects, updating the lighting systems is a once-in-a-decade decision. Lighting systems are integral to building systems and lighting itself is integral to the occupant experience. Before making an investment, school districts should consider the current and future lighting needs of their students and staff.

Classroom flexibility

Dimming and color changes can serve as effective cues for students to transition their activities while positively affecting circadian stimulus. LLLC systems deliver maximum system capabilities with ease of control and are increasingly capable of working with your existing building management systems.

A better way to simplify

Hallways, classrooms, libraries, gyms, and auditoriums may require different sensor hardware and placement strategies. Each of these areas will also have different daylight calculations, wiring for zones, and commissioning in order to meet code.

LLLC technology integrates occupancy, daylight, and full dimming on the fixtures themselves. No need to worry about hardware, placement, wiring, and daylight commissioning. LLLC also offers school districts maximum space flexibility and an easily reconfigurable backbone for future expandability.

Plan ahead

School districts often have key criteria which drives their procurement process. In addition to lowest cost, capital project managers need to understand what level of support they are purchasing. Close attention should be paid to ensure there is a system implementation plan and clarity of roles. Multi-scene wall stations offer faculty easy access to an array of pre-programmed scenes.

They can do that?

Most LLLC systems are set up and controlled via tablet-based apps. The apps make it incredibly easy for warehouse facility professionals to:



Group or regroup
a set of fixtures



Control light levels



Adjust sensor
settings



Track system
performance



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