

Lighting & Controls Upgrade

CLIENT: DEECD ~ (Dept. Ed.)

– Various Schools

**WORKS: Efficient Lighting Upgrade
& Lighting Control Trials**

DATE: November 2011 – February 2012



Scope of Works

- Provide Recommendations to DEECD for proposed lighting & Lighting Control Measures
- Co-ordinate times & schedules for performing installation works with schools
- Liaise with lighting & lighting control suppliers to ensure product availability within DEECD time-frame & suitability for use in each situation & location.
- Rewire class rooms, staff rooms, offices, gymnasiums & utility rooms to enable installation of master & slave occupancy sensor controls with additional override facilities.
- Install contactor control to various areas / zones employing multiple switched circuits
- Install individual rows controls & wiring to classroom lights to allow effective operation of Smart Boards & Projectors
- Install DSI (dimable) enabled high efficiency fluorescent lights & DSI PE light level sensors to gymnasium to allow adjustable lighting levels, dependent on ambient lighting conditions
- Install high efficiency Hi-Bay replacement fittings to gymnasiums utilizing scaffolding to eliminate possibility of damage to gymnasium sprung timber flooring
- Program movement sensors to required settings using remote control programming facility
- Commission all installed lighting systems to ensure school & DEECD satisfaction
- Provide As-Installed documentation to DEECD requirements
- Carry out all works with minimal disruption to the school's daily activities
- Provide recommendations to DEECD for future roll-outs of lighting efficiency projects.