

# Integrated Lighting Controls for Commercial Buildings

- Technical design concept for IBECS (Integrated Building Environmental Communications System)
- Tested IBECS network/ballast interface and powerline carrier based switching system
- Ongoing R&D focus:
  - Research (with UC Berkeley) to explore low-cost wireless communications
- Significance of integrated lighting controls:
  - 35 BkWh saved annually (\$2.2 billion)
  - 6 MMT carbon emissions avoided

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[http://buildings.lbl.gov/hpcbs/Element\\_3/02\\_E3\\_P2\\_3\\_1.html](http://buildings.lbl.gov/hpcbs/Element_3/02_E3_P2_3_1.html)

