

Style
L201



Architect and Lighting Design: AECOM
Photography: Andy Caulfield

Engineering Design Office:

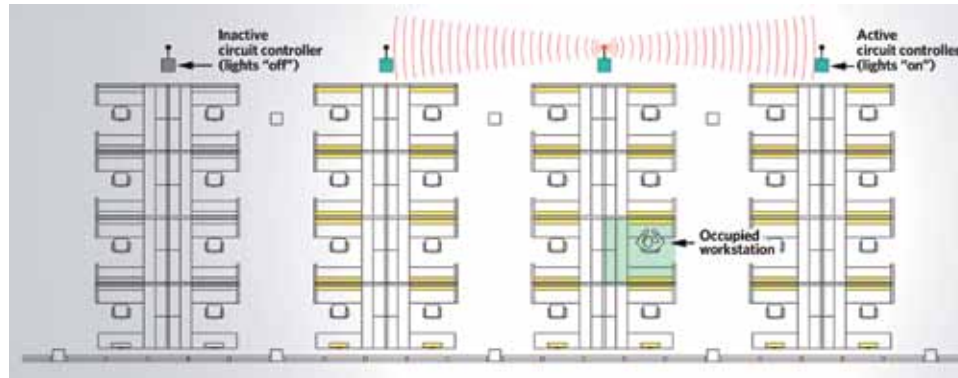
Area: 37,865 sf open-office space on 2 floors, 260 workstations and ceilings at 9'-0"
Luminaires: L201-60S4-M-XXXX-1-XL/XR-XX-35, L208-L128-M-XX-1-XC-00-35
Mounting: TPH panel brackets and TSX desk clamp stanchions on Teknion "Leverage" workstations
Illuminance: 30 fc - 60 fc on work surfaces, 15 fc ambient, 10 fc - 45 fc on ceilings
Power density: 0.51 W/sf on switched furniture circuits
Controls: "Floating" lighting zones defined by motion sensors and wireless circuit controllers

tambient Styles L201, L208

With 45,000 employees in 125 countries, AECOM is one of the world's largest engineering and architectural design firms. Serving clients with projects on all seven continents, AECOM's markets include planning and design, building engineering, energy and water management, transportation and construction services.

To create a state-of-the-art workplace aligned with the firm's commitment to environmental stewardship, the AECOM design team chose **tambient** lighting for their new Chelmsford offices which are occupied largely by the AECOM Environments division. The installation features 54" high translucent Teknion "Leverage" privacy partitions and a light color palette that enhances light utilization throughout the space.

The project's connected lighting load is 25% less than a typical Massachusetts code-compliant office building. National Grid, the regional electric utility, rewarded the exceptional energy savings with a High Performance Lighting rebate of \$1.00/watt saved. Energy conservation is further enhanced by wired and wireless controls that create tailored zones of light based on occupancy.



Ceiling mounted motion sensors (not shown) coupled to **The Lighting Quotient** #CLC-EN-04 circuit controllers switch furniture receptacles serving **tambient** fixtures. The controllers send and receive radio "telegrams" and are pre-commissioned to report their local occupancy status to the immediately adjacent controllers. This results in an activated lighting zone centered on the occupant's location. Lighting utilization throughout the entire open office automatically and seamlessly adjusts to occupancy conditions to deliver maximum energy savings and worker productivity.



CLC-EN-04 circuit controller

Controls by **The Lighting Quotient** follow the EnOcean Alliance wireless protocol, the international standard for sustainable buildings. The CLC-EN-04 circuit controller serves both as power supply for 24V motion sensors and switching relay for lighting and plug-load circuits. An onboard EnOcean radio allows it to communicate with a wide variety of EnOcean-enabled devices to create extensive, easily deployed wireless control networks.



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Light finishes and translucent privacy partitions provide visual interest and increase light utilization.



Style L208

Stanchion mounted compact luminaires are used at perimeter workstations where privacy panels do not occur.