





Summary:

- Metalumen Education Centre, Guelph, Ontario, Canada
- Classroom ambient lighting
- One-to-one retrofit of T8 fluorescent luminaires to LED

Benefits:

- Average \$442 in annual saving for only one room
- Annual energy savings of over 1,880kWh
- Reduced load by over 55%
- Maintenance-free for up to 10 years
- Reduction equivalent to 2,500lb of CO₂ emissions annually.

Project Description:

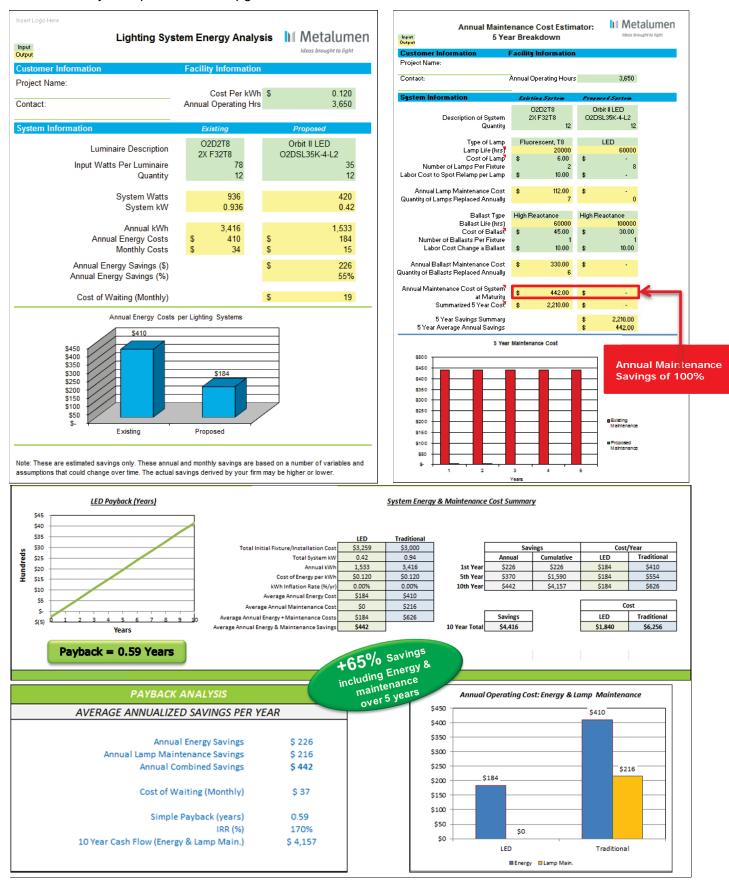
Metalumen Education Centre hosts many clients and holds few national meetings annually for lighting seminars and continued education credits. The classroom is the most shared space in the building for daily meetings and internal employees as well as external clients who visit Metalumen either for project meetings or showcasing Metalumen to other customers. As part of an initiative to lead by example, Metalumen decided to upgrade its classroom to LED to gain the most out of today's technology.



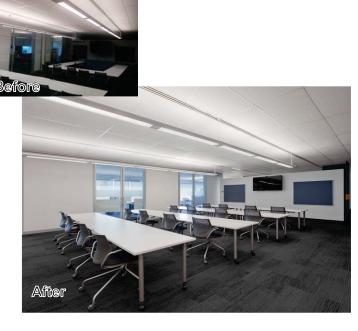
The upgrade included retrofitting the existing two row continuous runs made of twelve four-foot 2-F32T8 fluorescent fixtures with two rows of Metalumen's six eight-foot continuous runs using Orbit O2DS LED luminaires (35W/four-foot). As a result, our electrical load was reduced by 55% in the Education Centre, resulting in a projected annual energy savings of \$442 (1,880 kWh) with a **0.59-year payback**.

Orbit II O2DS LED series carries a traditional look used in educational facilities as a direct/indirect pendant luminaire. It merges affordability and performance in a unique design that complements almost any décor. With a great 114l/w, it was no brainer this upgrade will save us money.

Here is the analysis report from the upgrade calculations:







About Metalumen:

METALUMEN is a lighting fixture manufacturer which supplies a wide array of indirect, direct and indirect/direct FL & LED lighting systems. Our uniquely engineered products, primarily manufactured from extruded and perforated aluminum, offer distinguished product designs, outstanding photometric performance and ease of installation which complement today's architecture, interior design styles and construction schedules.

METALUMEN has trained sales representatives throughout the United States, Canada and Internationally who are capable of helping specifiers meet their design challenges. Whether you are working on a school, office facility, media lab, library, corridor, research lab or transportation station, Metalumen's product variety will help you meet the desired design parameters. Metalumen's head office, warehouse and manufacturing is based in Guelph, Ontario, Canada. Our Canadian made products are assembled with quality, care and precision to meet the expectations of your most demanding projects. With fast access to a wide range of products, there's an option for almost every application.

With all the capabilities of a leading manufacturer, Metalumen works closely with local Universities' research centers to utilize the latest technology in lighting controls and LED engine performance. With this rooted connection, we utilize the most innovative approach to lighting and are able to jump up to the front end of technology and innovation wave. Technologies like Tunable drivers and Tunable white is utilized on special projects we are currently involved in. Exploring other control technologies such as wireless controls and utilize in our high quality products is made possible with Metalumen. We also support our customers with many needed services such as Energy toolkits tailored to specific projects, Application layout, Access to all files on SEEK Autodesk database (BIM strategy), facilitation of LU/CEU/LEU accredited education courses and much more...

Visit <u>www.metalumen.com</u> today for more product offerings.







Orbit II O2DS Series

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Ideas brought to light