



2,241 LED Direct/ Indirect Retrofit

"School district will save 50% in lighting costs by retrofitting it's existing direct/ indirect fluorescents."



L85-NCH Series LED Strip Kit

Features:

- Projected L70: 398,000 hours
- Sensors can be integrated for additional energy savings
- Energy efficient – up to 90% savings over current energy/lighting costs
- UL Listed and DLC Premium Listed
- Low maintenance & energy efficient
- Available in standard lumen output & high lumen output

The Situation:

After receiving funding for building upgrades, the Everett Unified School District decided it was time to update the lighting system from fluorescents to LEDs at Everett High School. The district did not want to remove the high-end direct/indirect pendant fixtures because they were still in good condition, but there wasn't an existing retrofit kit on the market that could be used. The lighting contractor contacted FSC to come up with a custom LED retrofit kit for the five-story building using FSC's new Project Development Assistance service. Not only did FSC create a custom light kit for the school, but the project partnership resulted in a 50% reduction in annual lighting costs.

The Solution:

With FSC's new Project Development Assistance service, an FSC consultant drew and built an entirely customized retrofit light kit for the school. The new lighting plan called for a replacement of the linear T8 fluorescent fixtures with FSC's 28-watt L-BAR Strip throughout the largest high school in the area. Throughout the project, FSC worked with the district's lighting contractor to verify the accuracy of the order, sign off on samples and prototypes, and coordinate all deliverables and timing to ensure that the project goals were met. After the proposed solution was approved, FSC was then able to duplicate the kit for every school in the district. Throughout the project, FSC worked with the district's lighting contractor to verify the accuracy of the order, sign off on samples and prototypes, and coordinate all deliverables and timing to ensure that the project goals were met. Once in place, the new system slashed the operating costs of their entire campus by roughly 50%. The new lighting system also improved the learning environment by doubling the minimum light level allowed and creating more uniform illumination and color consistency across all classrooms.

"The Project Development Assistance service should be a no-brainer for anyone who's tackling a custom lighting or controls project. FSC saved huge amounts of money by creating a solution that met the exact needs of the project. The contractor would not have been able to deliver the project on time without this innovative approach." – Andy Miller

| | EXISTING | REPLACEMENT |
|---------------------------|-------------------|------------------------------------|
| TECHNOLOGY | Fluorescent | LED |
| SYSTEM | 2 Lamp T8 Fixture | L85-NCH LED Light Bar Retrofit Kit |
| TOTAL SYSTEM ENERGY USAGE | 59 | 28 |
| CONTROLS | None | Auto Demand Response Ready |
| TOTAL ANNUAL kwh | 616,000 | 308,000 |

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$43,120

ANNUAL ENERGY SAVINGS:

308,000 kWh