

## Case Study West Vancouver School District 45



Before



After

### CHALLENGE

The West Vancouver School District SD45 was constantly replacing their fluorescent lighting and energy costs were high. Teachers were even turning off and dimming lights as students complained about the classroom lighting.

Radiance Energy conducted a detailed energy audit and analysis for 20 schools and buildings in their district. Radiance identified lighting and energy improvements and worked diligently with their management in realizing immediate energy savings while delivering the healthiest quality of light for their students and staff.

### SOLUTION

Radiance Energy replaced high-flicker and high-maintenance T8 and T12 tubes with high-efficient, ultra-low flicker LED tubes, downlights and area lighting. Immediately after the install, staff reported seeing a positive response from their students.

### PROJECT SUMMARY

- Projected savings of 73% in energy and maintenance costs
- Estimated energy savings of 2 million kilowatt hours
- Significant reduction in light flicker from 40% to < 3%
- Optimal learning environment for students and staff