



DAGR
Case Study

BL420 LED Bay Lights

FL570 LED Flood Lights

Apollo Forest Products Fort St. James, BC

>70% reduction in energy consumption

>\$800,000 in 5-year energy savings

Proven Lifetime Claims

Apollo Forest Products, a division of Sinclar Group Forest Products, has been in operation in Fort St James BC since 1969. The mill produces 150 million board feet of premium quality stud lumber annually. The Sinclar Group is a leader in energy efficiency – recognized by BC Hydro in 2010, 2012 and 2014.

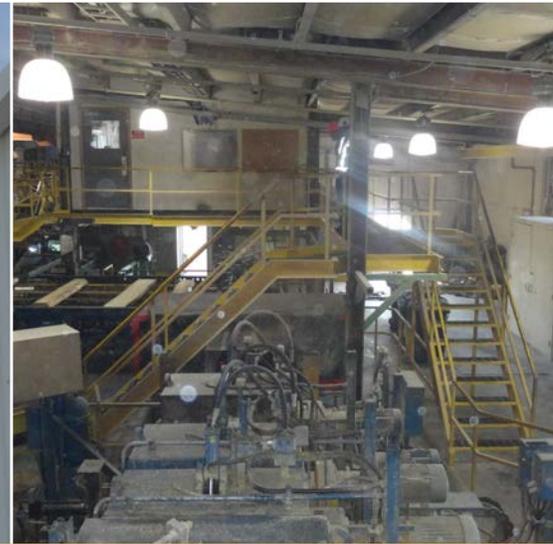




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THE CHALLENGE

It is no surprise that the Sinclair Group was one of the first industrial operations in BC to complete a large-scale LED lighting upgrade. The company's commitment to energy efficiency spans all aspects of their operations – stretching from the executive office to the workers on the floor. So when the new LED lights supplied by another manufacturer failed, the energy management team was not deterred. They still believed in the value of LED technology, but were understandably concerned about product quality and reliability.

THE SOLUTION

The Sinclair Group approached DAGR Industrial Lighting in October 2012 and began to discuss replacing the failed LEDs from another supplier. After determining that the initial failure was caused by faulty drivers, we worked with the Energy Manager to specify approximately 300 x **BL420-100W LED bay lights**, 100 x **FL570-140W LED flood lights**, 25 x **FL260-40W LED flood lights** and 400 x **TL1200 LED tubes**.

It was critical to demonstrate both the quality and reliability of our product, as well as the supporting warranty. The client also appreciated our technical approach and product knowledge. At DAGR, we're always honest about the pros and cons of LED and work to ensure each client understands the technology and how to get the most out of it.

RESULTS

Installed in early 2013, the new LEDs from DAGR have delivered superior illumination and reliability for Apollo Forest Products. It is estimated that energy consumption has been **reduced by 71%** over conventional lighting, with a projected **energy savings of approximately \$800,000** over five-years. Several years later, Apollo continues to be happy with DAGR's product performance and customer service.