

# Industrial compact fluoros – a power saving alternative

Helping clients gain big savings from a quick lighting upgrade or new installation is a lot easier if you simply switch to high wattage compact fluorescents, says Grant Simpson of PowerSave Light Company.

“In most cases the capital cost is recovered through savings within the first 12 months.”

He says since 2002 Auckland-based PowerSave Light Co has been supplying lamps and fittings that have reduced clients' energy spend by 60 to 75 percent, while delivering marked improvements in lighting quality and control.

“We offer high bays, low bays and floodlights all lit by a range of high wattage compact fluorescent lamps (CFLs). Our installed base covers everything from warehousing, distribution centres, processing and manufacturing plants to high-stud retail outlets.”

Energy savings come not just from the use of industrial CFLs, but the ballasts they use. Simpson says the electronic ballasts used in PowerSave's high bays, low bays and floodlights are extremely efficient, drawing less than half the amperage of wire-wound ballasts.

“A 200 Watt PowerSave high bay ballast draws just 0.80 Amps compared to a draw of 2 to 2.5 Amps for the equivalent conventional ballast. They also have a power factor of .99 that will reduce energy costs even further on sites metered for kVa.”

PowerSave also stock a range of self-ballasted CFLs that offer a simple and cost-effective replacement for self ballasted HID and incandescent lamps.

“Not only do these self-ballasted fluoros represent energy cost savings of 60 to 75 percent they deliver superior light quality. And while similar to household CFL technology, they are industrial grade lamps ranging in output from 30 to 150 watts.

“Your customers can reduce power costs



**Adam Wickes of Rayglass Boats with Grant Simpson. Wickes says PowerSave's lighting solutions have slashed their energy costs in half**

immediately with a simple lamp upgrade and still keep their existing fittings – a cost-effective solution particularly where a high bay is not required.”

Simpson says a PowerSave 125W self-ballasted CFL lamp will replace a 500W self-ballasted mercury vapour lamp or a 400W sodium lamp in a high bay. A 170W lamp with separate electronic ballast will replace a conventional 400 watt metal halide and all other types of HID units.

“In all three scenarios our industrial grade CFLs return electricity savings better than 60 percent. In dollar terms this equates to an annual saving of \$395 for every 500W MV fitting and \$285 for every 400W high bay unit in a 24-hour lighting operation, enabling the cost to be recovered in a matter of months.”

Simpson says further savings can comfortably be achieved with the use of light and motion sensors because the lamps re-start instantly and do not have to cool before restriking.

“With a colour temperature of 6400° Kelvin, PowerSave lamps light any building as if it were a bright day and employees generally feel more positive in those types of environments – and, with a rating of over 80Ra on

the CRI index, the colour rendering offers a high level of clarity.”

## Boating in the sun

Rayglass Boats sales manager Adam Wickes says Rayglass specified PowerSave products in its new showroom as well as its purpose-built factory in Pakuranga, Auckland.

“We were determined to reduce our running costs and improve the quality of our factory and showroom lighting. What has been achieved is impressive.”

“Our lighting is better in terms of brightness, colour and clarity and our energy spend has been slashed by half. Fitting PowerSave products makes good economic sense, especially when you consider that we will recover our capital costs within the year.”

Wickes says Rayglass Boats believes it can further reduce costs by installing lighting sensors.

“Our new factory has good natural light so we want to capitalize on this by installing lighting sensors. We consider good lighting as an essential element of quality control, especially in our assembly bays. Our production staff have certainly noted the difference.

“We couldn't be more pleased. Our costs have come back, our lighting quality has improved and our showroom products look natural and bright. This is important. Evening product viewings and client functions are an important part of our business and good lighting is critical to their success.” ■

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