



Aurora Place, 88 Phillip Street, Sydney

Prolume wins contract for the award-winning Aurora Place building

Prolume was pleased to be awarded the contract for a significant lighting upgrade at Aurora Place, 88 Phillip St, Sydney.

Aurora Place is one of a handful of premium grade commercial buildings in the Sydney CBD. This landmark commercial building comprises 49,000 square metres over 42 levels. Situated in the heart of Sydney City and designed by Renzo Piano, Aurora Place, with its curved profiles is a beautiful addition to the city landscape.

The fire stair lighting project commenced in December 2015. It saw the existing T8 fluorescent lighting replaced by Prolume's Australian made and patented sensor batten lights. These lights sit directly over the existing footprints and require minimal drilling during the installation. The Prolume installation did not require any remedial paintwork or extending of conduits, as would be the case with competing products that don't match conventional fluorescent light footprints.

In most areas of the building, depending on foot traffic and the type of light being replaced, Prolume will provide the building owners with a drop in energy consumption of up to 90%. More data will need to be collected to confirm these savings, but initial numbers are in line with expectations.

Prolume is grateful to the Jones Lang LeSalle team at Aurora Place for their continued support.



Products Used

The building's existing T8 fluorescent lights were replaced with Prolumes' ultra-efficient Australian made and patented microwave sensor dimming batten lights. Until activated by localised movement, the lights remain in standby at an ultra-low 6 watts of energy consumption. Once the sensor activates the light to full power, consumption rises to 22 watts for 30 seconds before returning to standby at just 6 watts.

Product settings

The fire stair sensor light can be set to for periods between 10 seconds and 30 minutes, and a range of up to 8 metres. Standby light and power levels are adjustable from 1 – 100% to accommodate differing conditions. The light can also be set to ramp up to full power rather than switching instantly to full light output.

The Prolume lights are set to a default of 5 metres range and 30 seconds on full light. Experience has shown Prolume, in fire stairs, getting the sensitivity of the sensors just right is crucial in maximizing energy savings. Many competing lights are default set to maximum range. The disadvantages of this are constant activation by, but not restricted to:

- movement from people using corridors behind fire doors on the tenancy side
- Picking up movement through concrete slab floors and walls
- Lift movements through buildings
- Vehicular traffic moving on the opposite side of the installed structure



These unwanted activations can add significant increases to the expected costs of running sensor driven technology. It really does pay to know your products and to fully understand how to use them.

Results

Prior to works, the building's total annual lighting costs were \$43,316 including maintenance. After Prolumes' works, lighting costs were reduced to approximately \$4,300, a **saving of \$39,016 which is a 90% reduction overall.**

- **\$390,110 savings** over 10 years
- **1,313,650 kWh of energy savings** over 10 years
- **Up to 90% reduction in energy** consumption overall

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