

Schools Energy Program.



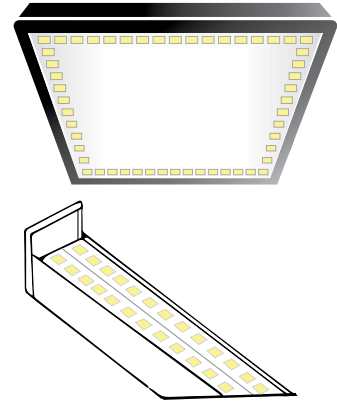
5 LED lighting.

Lighting.

You will note from our previous factsheet that lighting is the top consumer of energy in a NSW school. Replacing older lighting technology with LED lights can significantly reduce your energy use in the classroom.



LED lights come in a range of bulb types for differing applications.

This image shows the two kinds of LED light fitting most commonly found in NSW schools.



Did you know?

Both compact fluorescent (CFL) and LED light bulbs deliver savings against traditional incandescent bulbs. LED lights have the added advantage of providing instantaneous light with reduced heat.

	How do they work?	Incandescent vs.	Annual Saving	Max Light
	CFL Electric current flows between electrodes at each end of a gas filled tube, this excites a fluorescent coating creating light.	Creates heat 35% more efficient than incandescent.	\$208 per classroom	30 Seconds +
	LED Light-emitting diodes (LED) are semiconductors. As electrons pass through this type of semiconductor, it turns into light.	Less heat 75% more efficient than incandescent.	\$253 per classroom	Immediate

Of course, ensuring lighting is switched off when not in use will maximise the savings.

Next steps.

Schools Infrastructure NSW will continue to work with you to arrange your LED lighting upgrade project. In the meantime, we encourage you to achieve further energy savings through our previous updates and the Info Hub.

