

Energy Savings Sheet: Lighting

2EA have produced this sheet to identify areas of potential energy savings. It consists of notes and checkpoints that can be used by managers to help reduce overall energy consumption.

Notes

- Maximise use of daylight.
- Ensure lighting is appropriate for task.
- Improve lighting controls.
- Improve lighting efficiency.

Checkpoints

Are switches labelled?

- ✓ Increase staff awareness and encourage people to turn lights off after use.

Do you use time switches to control display lighting?

Have you checked lighting levels? Are they inappropriately high for the task?

- ✓ Local task lighting may reduce glare and energy use.

Are you using energy saving lighting? What type of fluorescent tubes are you using?

- ✓ Replace older 38mm (T12) fluorescent tubes with 26mm T8 types that give a better colour light and use 8% less energy.
- ✓ Compact fluorescent lamps use 80% less energy than tungsten GLS lamps and can last 10 times longer, reducing maintenance costs.

Do your lights remain switched on unnecessarily as the natural light conditions change?

- ✓ Consider fitting daylight sensors to areas that receive natural light to turn off lighting and maximise the use of daylight.

Do you use dimmers?

- ✓ Consider replacing lighting with new high frequency tri-phosphor fluorescent. These can be dimmed and use around 20% less energy.

Do you use exterior lighting?

- ✓ Review the use and control of exterior lighting. Sodium lights are the most cost effective for nighttime security.
- ✓ Fit automatic photocell switching.



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