

Energy savings

Potential energy savings

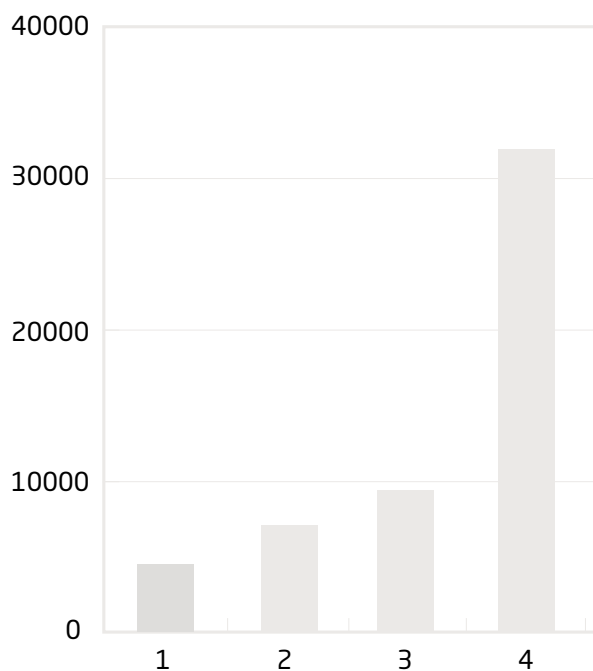
The potential energy savings are not small, and in many cases the light installation is repaid in less than three years. Energy efficient lighting makes good business sense. In this paper we have listed some examples on the potential energy savings by using NS10 instead of traditional fluorescent lighting. Below you find an example of a typically 8 hour office installation with different light sources. Response daylight harvesting sensors can provide further 30-35 % energy savings in window adjacent locations - helping to reduce operating expenses and comply with new energy codes.

Light source incl.ballast	Lifetime	System Efficacy	Energy Saving	Energy Density
1) Wall/ceiling NS66 LED (30W)	17 years	76 LPW	-	4,69W / m ²
2) Wall/ceiling two-lamp 2x26W (26W)	3 years	42 LPW	53 %	11,33W / m ²
3) Wall/ceiling 1x36 T8 fluorescent (44W)	3 years	65 LPW	32 %	6,27W / m ²
4) Wall/ceiling halogen QT 200W (200W)	7 month	9 LPW	85 %	74,36W / m ²



The calculation on the right proves that 50 pcs NS66 provides a high profit for the user. With energy savings upfront and in operation, choosing the NS66 instead of comparable architectural fluorescent or halogen options can deliver an estimated return on investment of less than one year in a typical office installation with 8 hour operation.

kWh



Normasym Intl.
 Phone +4571995825
 hello@normasym.com
 www.normasym.com