

# KEEP YOUR STAFF AND EMPLOYEES SAFE AT WORK BY PROVIDING ADEQUATE LIGHTING IN ALL AREAS!



Lighting at work is very important to the health and safety of everyone using the workplace. When lighting levels are low, too high, or inconsistent (shadowy), our ability to complete tasks safely is compromised. The quicker and easier it is to see a hazard, the more easily it is avoided. The types of hazard present at work therefore determine the lighting requirements for safe operation.

Improper lighting can make it difficult to make appropriate judgements regarding footing, placement of materials, and timing when moving materials, tools, or equipment is being used.

Poor lighting at work can represent a significant cost to a business in the form of, time off work as a result of accidents and injuries, increased absenteeism and reduced staff efficiency and productivity.

According to an article by Lux Review, The absence of adequate lighting in part of a chemical plant was a factor in a worker receiving 'life changing' sulphuric acid burns.

AGC Chemicals Europe – based in Lancashire, England – was fined £300,000 over the incident in which process operator David Crellan was soaked in 4,000 litres of acid in a 'pitch black' part of the site.

To read the full article click [here](#).

Employers, the self-employed and people in control of nondomestic premises have a duty to ensure that the lighting is safe and does not pose a health risk to employees and others who may use their premises.

LED lighting with a colour temperature of around 5000 kelvins, is the equivalent of natural daylight. Daylight lighting improves visibility which makes colours and movements more easily perceived by the eye which therefore, reduces accidents and injuries and enables us to see hazards easier and complete work tasks more efficiently and effectively.

All of our low-energy LED products can replicate daylight by using a colour temperature of around 5000 kelvins. We can also provide various other colour temperatures for a variety of different applications. Check them out [here](#).



## PERSIENNKOMPANIET INSTALL NEW, ENERGY-EFFICIENT LIGHTING



Persiennkorporiet have been working on project sales since 1993 and supplies sun protection products and window fittings like curtains, blinds and awnings to companies and individuals in the Stockholm area.

In the company's office located on the ground floor of a property in central Stockholm, a lighting solution with a higher illumination which provides a bright daylight like lighting was required to create an even better workplace for the company's employees. In order to create a bright light, not only the correct illumination intensity is needed, but a colour temperature of light close to daylight, i.e. about 5000-6000 Kelvin, is also required.

The light selected to replace their current office and corridor lighting was an LED panel called Sky Panel 66. This luminaire has a low glare rating of UGR <19 and provides daylight white light at 5300 Kelvin. The lighting is controlled by a smart sensor which has both motion and light control with a dimming mode.

Light levels were planned for 500 lux at workspaces and conference rooms and for 200-300 lux in corridors and stores. In the offices and conference rooms, dimmable LED panels were used.

### Results compared to the previous lighting:

- 58% fewer luminaires
- Medium illumination (general lighting) of approximately 500 lux in office
  - Happier employees
  - 70% lower installed power
- 86% lower energy consumption (motion and light control)
  - 44% lower total cost over 10 years

