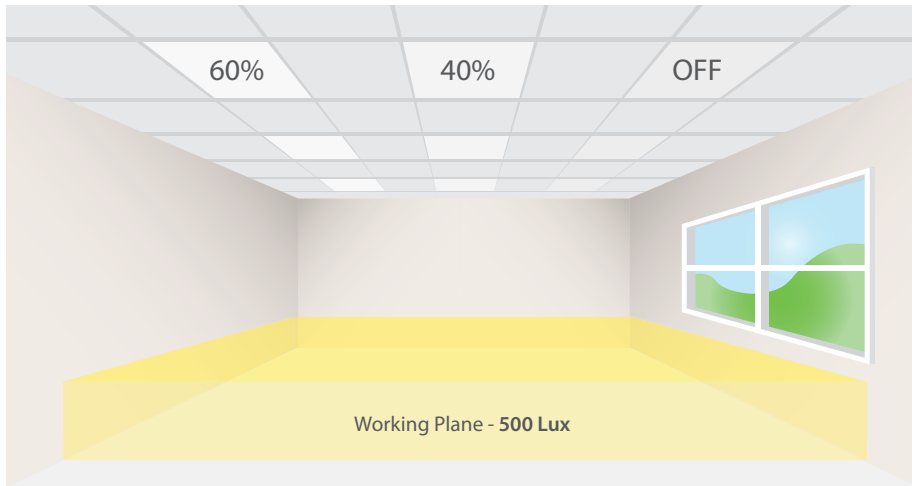




DAYLIGHT DIMMING

A light sensor in every luminaire controls its output to suit local ambient conditions. To meet the needs of individual users, or the requirements for the space, each luminaire's factory default settings can be altered using the Smart Programmer

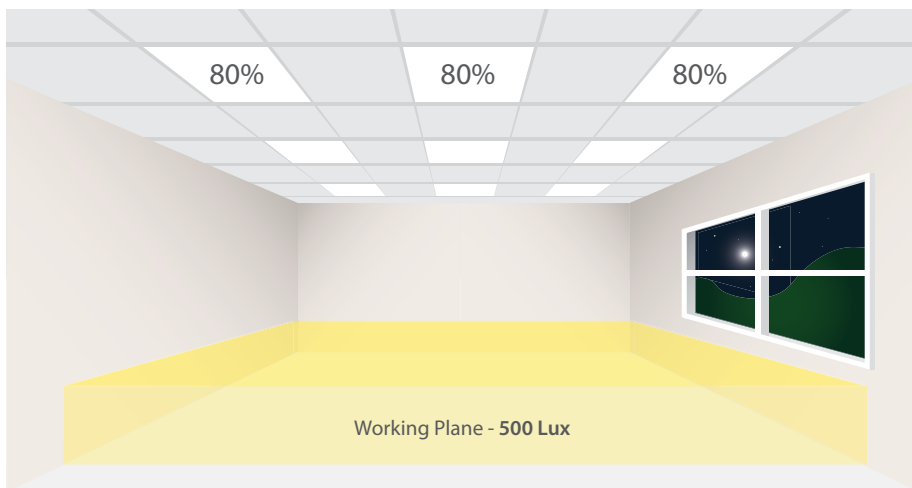


DAYLIGHT DIMMING

When daylight enters an area the sensors will take this light into account and gradually dim the lamps, saving energy whilst maintaining the required light level. Changes in light levels are made gradually for the comfort of users. Each luminaire in the Thorlux Smart System measures and adjusts independently according to the ambient light in its immediate surroundings. This provides good uniformity across the working plane even in situations where the natural daylight ingress is varied across the area.

Bright-out feature

In the event of excess natural light for more than 10 minutes, the individual Smart luminaire will turn off, saving further energy and prolonging lamp life.



MAINTAINED ILLUMINANCE

Accumulation of dirt and lamp lumen depreciation causes light loss and uncontrolled schemes are initially "over-lit" to compensate, resulting in wasted energy over the maintenance cycle.

The Thorlux Smart System avoids this waste of energy and over lighting by allowing installations to be initially dimmed to the required light level. This level is sustained throughout the maintenance cycle by the system automatically increasing lamp output.