



Intelligence



Intelligence is an innovative light fitting, ideal for low and high bay applications, that combines high efficiency and long life lamps with built-in lighting controls to enhance and extend performance. By combining lighting and controls in a single unit, Intelligence ensures that lighting is controlled precisely in relation to demand; with options for presence detection, daylight linking or both.

A key element of the Intelligence design is the ability to select control options to suit each project's needs, rather than installing separate, remote occupancy and daylight sensors and controls. This integrated, flexible arrangement facilitates a wide choice of control configurations, further enhanced by the many lamp configurations available, irrespective of switching frequency.

An additional benefit is the truly local response to changes within a pre-defined space, further enhanced by the option of hand-held remote control units.

Intelligence is an enhancement of Chalmor's popular Brilliance fitting which has proven its cost-saving benefits in a wide range of applications. Consequently, even without its integral controls, Intelligence will provide an average operating life of 24,000 hours and where required, the fittings can be supplied with 'Ultra' long-life lamps to provide an average lamp life of 48,000 hours.

To put these figures into perspective, the standard Brilliance fitting will provide 6+ years of lighting if running for 12 hours a

day, or 2.7+ years if running 24 hours a day, before the lamps need to be replaced. These figures are more than doubled for the 'Ultra' version.

With the additional in-built control of Intelligence, these re-lamping intervals can be extended even further, thus saving on maintenance and the cost of lamp disposal under the WEEE Directive. For example, with one on/off switching per day it is possible to extend the average lamp life of the Ultra version up to 58,000 hours, while dimming with Intelligence sensors will increase useful lamp life even further.

Chalmor offers a complete lighting design service for Intelligence and can provide a cost comparison on request.



FEATURES

- Long life, energy efficient T5 lighting with high frequency control gear
- Built-in sensors, highly configurable
- High light output ratio (LOR)
- Ideal for areas requiring high lighting levels
- Range of control and lamp options, including shatterproof and 'Ultra' long-life lamps
- Dimmable control gear option
- Integral emergency lighting available
- Open or enclosed fittings with 4x54W, 6x54W, 4x80W and 6x80W – and more
- Excellent colour rendition
- Standard 4000K colour temperature
- Integrated lighting and controls in a single fitting

BENEFITS

- Cold Spot optimisers standard for open fitting
- Provides true local control for enhanced responsiveness
- Suitable for replacing 400W SON with potential to halve installed electrical load and extend re-lamping schedules by 300%
- Option of multi-wattage control gear allows mixing of different wattage lamps for maximum flexibility
- 'Ultra' long-life lamps provide up to 11 years before re-lamping (running 12h/day)
- Addresses health issues associated with working under SON lighting for extended periods
- Reduced maintenance costs with extended re-lamping schedules
- Some versions qualify for Enhanced Capital Allowances
- Easy to install, minimal rewiring for retrofit

