



### ActiveAhead Self Learning Lighting Controls

ActiveAhead is a truly intelligent and scalable wireless lighting solution. Its unique self-learning capabilities provide ultimate efficiency in setup and operations. ActiveAhead will continuously learn and generate insights, maximising positive impact on wellbeing, and optimising your ever-evolving building.

Wirelessly networked ActiveAhead Nodes use a smart algorithm to learn how the space is used. The luminaires collect data from their own sensors as well as from the other luminaires which surround them. They also respond to the amount of natural light in the space.

Due to its intelligence, the lighting level remains optimal for the user and it continuously adapts to possible changes.

LDL incorporate ActiveAhead technology into a large range of our luminaires, allowing us to provide self-learning intelligent lighting systems. ActiveAhead is perfect for projects where the space's purpose or layout may change over the building's lifecycle. The intuitive intelligent control system will adapt to changes to minimise the need for costly human intervention to reprogram the system when those changes are made.

The system functionality includes the following

#### Self-learning with enhanced comfort

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#### Energy efficient buildings

Compared to an LED-based switched luminaire, ActiveAhead takes comfort to a totally new level while offering substantial energy savings.

In addition to increasing the lights in a predictive manner, the Nodes dim the lights in a smart way depending on the space usage, thus helping to save energy

# ActiveAhead

## Wireless Solutions

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Innovation.  
Collaboration.  
Illumination.



### Simple and fast installation

LDL luminaires incorporating ActiveAhead are extremely easy to install. Just fix the luminaires to their intended position and switch on the mains. No control wiring, programming or configuration is needed.

Optional customisation and grouping is possible using the ActiveAhead mobile app. Continuous learning means that the system adjusts lighting automatically, without the need for any manual re-configuration.

### Cloud Connectivity

Lower building operation costs and increase peace of mind with advanced data analytics. Increase security and wellbeing for occupants through smart lighting logic.

ActiveAhead is designed for a data-driven future. It enables services that will improve performance and ensure spaces remain comfortable with round-the-clock monitoring and maintenance.