LEDspan - Smart Lighting

Overview
LEDspan luminaires can be fitted with Smart Lighting technology to provide a contemporary smart lighting solution with features such as:

Wireless Interface
Task Tuning
Daylight Harvesting
Occupancy Control
Personal Control
Energy Monitoring

The result is a modern, flexible, energy efficient and inclusive lighting solution that meets user requirements while maximising energy usage.

Installation
The smart modules (or nodes) are installed on the fitting in the factory and communicate with field sensors, wall switches and controllers wirelessly via the Zigbee mesh network. Additional wireless devices can be easily added to the system as no extra wiring is required.

DALI standard protocol maintains control over the luminaire itself while the communication between nodes takes place over the wireless mesh network. The system could also comprise of a combination of wired and wireless.

Main Components
SSU Server
Wireless Light Management systems
Wireless Control Modules
Wireless light and presence sensors
Wireless User Interface
DALI ECU Control Unit
DALI Push Buttons

Specification:	
Smart System 1	¨\ok˚U
Smart System 2	- ium
" ˙\ok˚U	Tridonic
Brand (Tridonic)	Net 4 more
Mesh Network	Zigbee
Protocol	DALI
BMS Option	¨Yes (\ok˚U)
7	"˚# ˙\ok˚U

Individual Control of Luminaires
▷ Switching on/off
▷ Dimming/brightening
▷ Changing the colour temperature

Automated Light on Demand
▷ Occupancy control
▷ Daylight Harvesting
▷ Task Tuning
▷ Automatic creation of light scenes

Dynamic Light Throughout the Day
▷ Human centric lighting
▷ Tunable white

Operation and Maintenance
▷ Intuitive and user-friendly app for commissioning and control
▷ Remote access
▷ Energy monitoring

The future of Controlled Environment Lighting just got brighter