

ActiveAhead
Application Guide

Helvar

TURNING EVERYDAY PLACES
INTO BRIGHTER SPACES



LIGHTING CONTROLS FEATURES & BENEFITS



Intensity and Dimming

Light output levels can be set according to the specification.



Colour Temperature

Adjust colour temperature to have the desired atmosphere and mood.



Presence Detection

Lights are dimmed automatically based on the movement detections.



Daylight Harvesting

Lights are dimmed to enable energy savings when daylight is available.



Out-of-the-box Operation

Lights start working the moment they are powered on and can be tuned later if necessary.



Automatic Lighting Control

Lighting adapts automatically and continuously to the actual space usage.

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Wall Panels

Manual control with DALI-2 and wireless battery-free wall panels.



Groups

Luminaires can be grouped together, and group member level can be selected to support energy savings and comfort.



Scenes

Predefined lighting scenes enable illumination based on lighting needs or situational requirements.



Personal Lighting Control

Space user can tune the light above the workstation using their mobile phone.



Corridor Hold

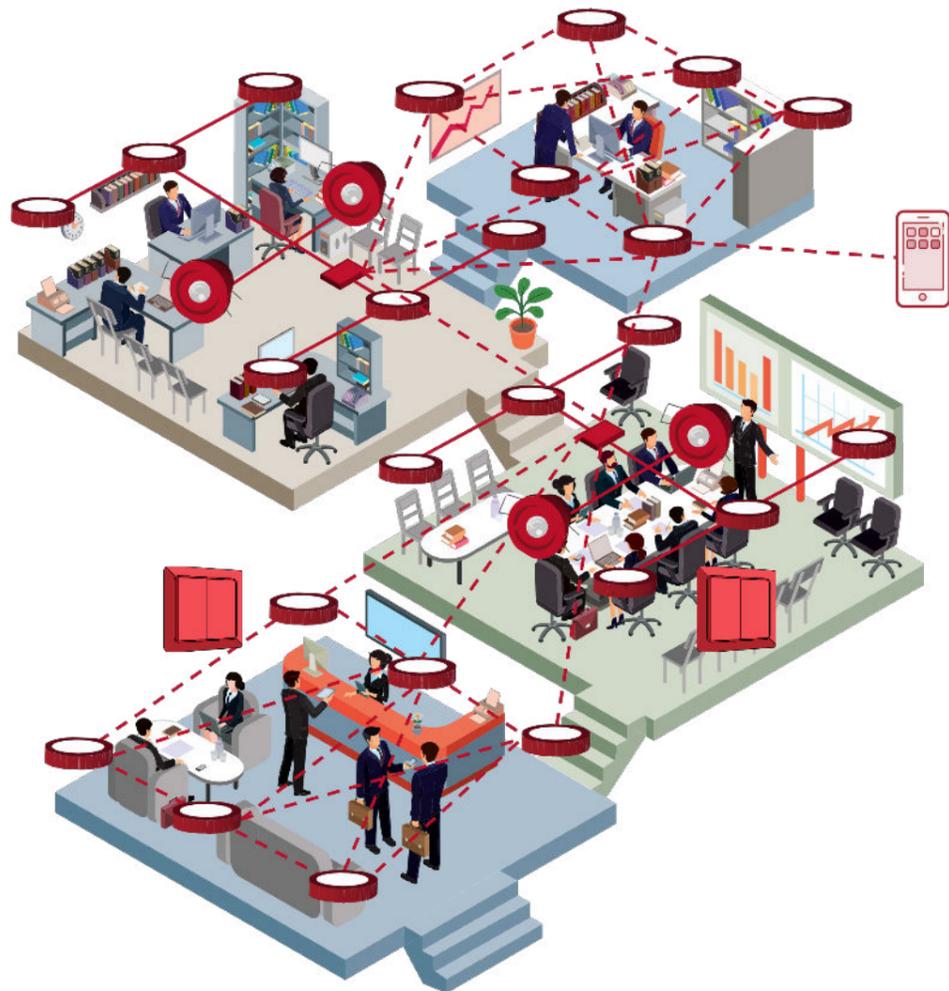
Keep lights on in a space while another space is in use for safety and comfort.



Absence Detection

Lights are turned on manually and dimmed down automatically.

SOLUTION OVERVIEW

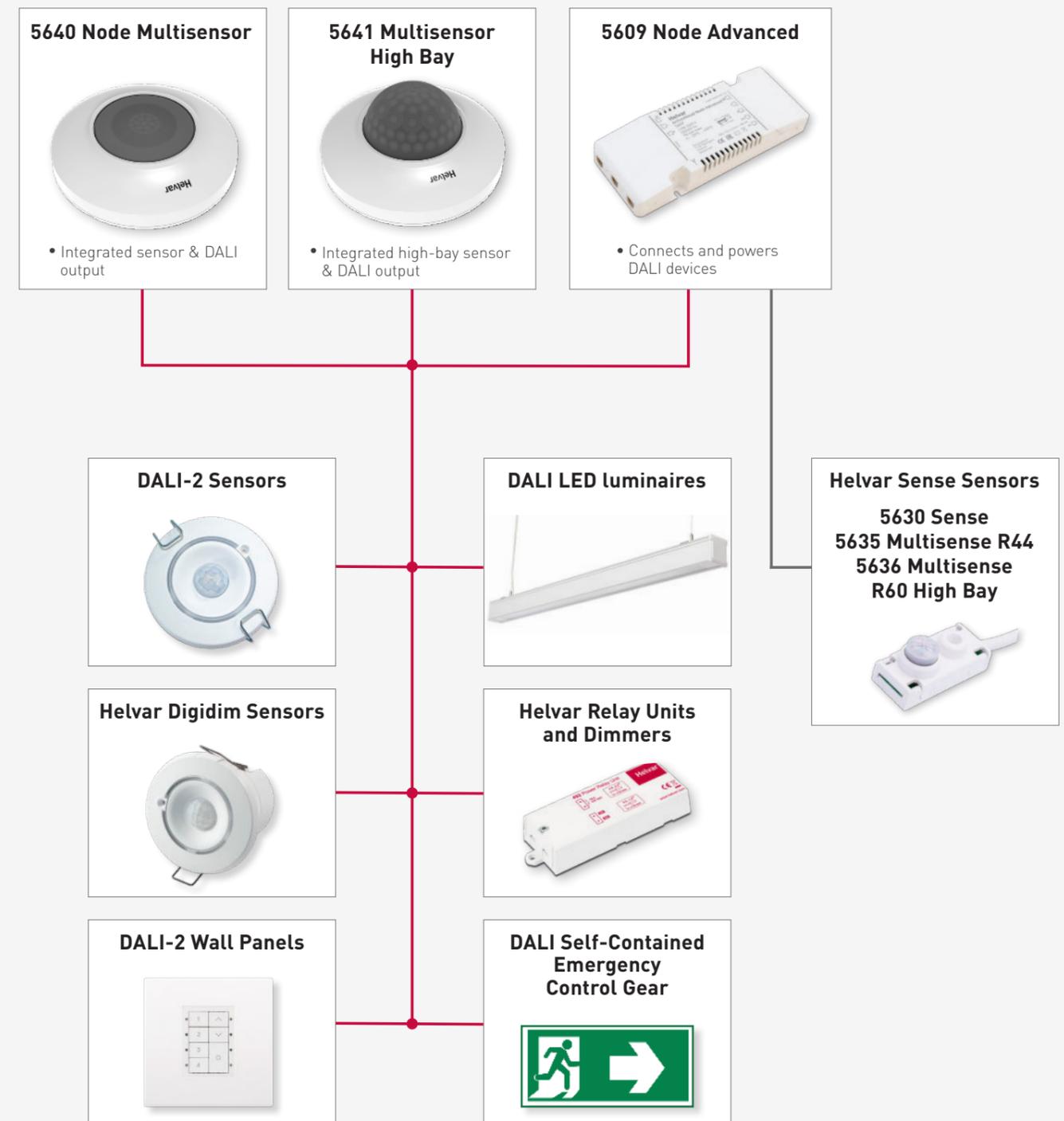


Nodes in the **Helvar ActiveAhead** system communicate wirelessly using Bluetooth Mesh technology. These Nodes can be built into luminaires offering a really simple installation. These Nodes can also connect standard **DALI** and **DALI-2** devices; such as, luminaires, sensors and wall panels into the system. Different types of Nodes communicate seamlessly and can be chosen based on what best suits the space in question. This makes the ActiveAhead system easy and flexible to design, install and scale.

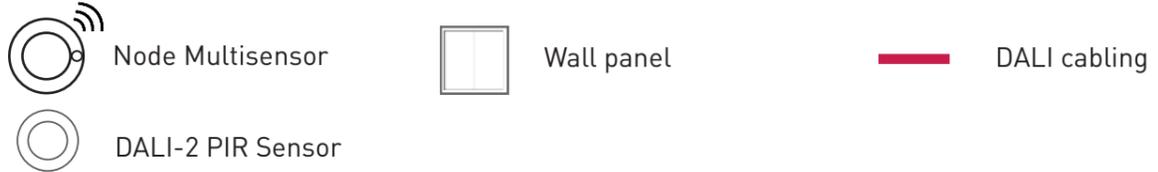
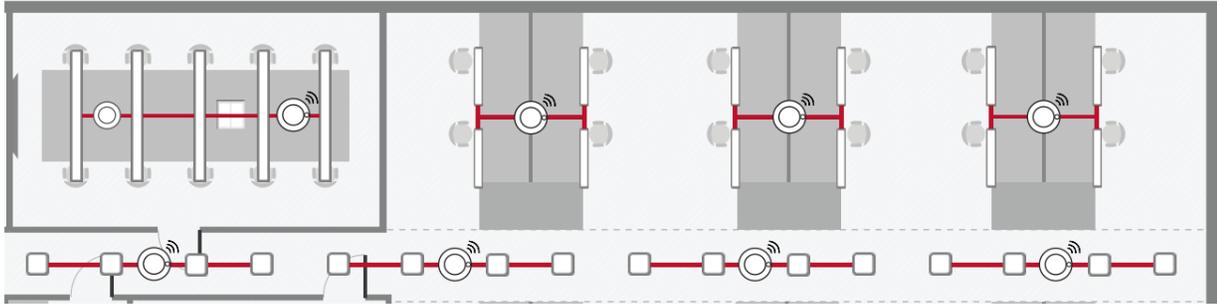
This document shows how different spaces can be implemented using ActiveAhead and standard DALI devices. When configuration is required, it is done with the easy-to-use ActiveAhead mobile app.

CHOOSING PRODUCTS WITH **INDEPENDENT NODES**

With independent ActiveAhead Nodes, you are free to choose standard DALI luminaires for your installation. Add necessary DALI-2 sensors and DALI-2 or wireless wall panels as required and you are good to go. The system starts to work out-of-the-box and finetuning is done using the mobile app.

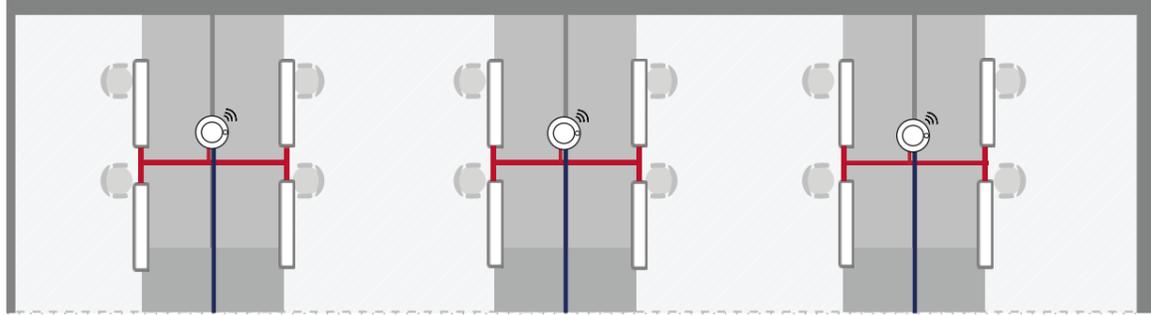


5640 - OVERALL VIEW OF AN OFFICE SPACE

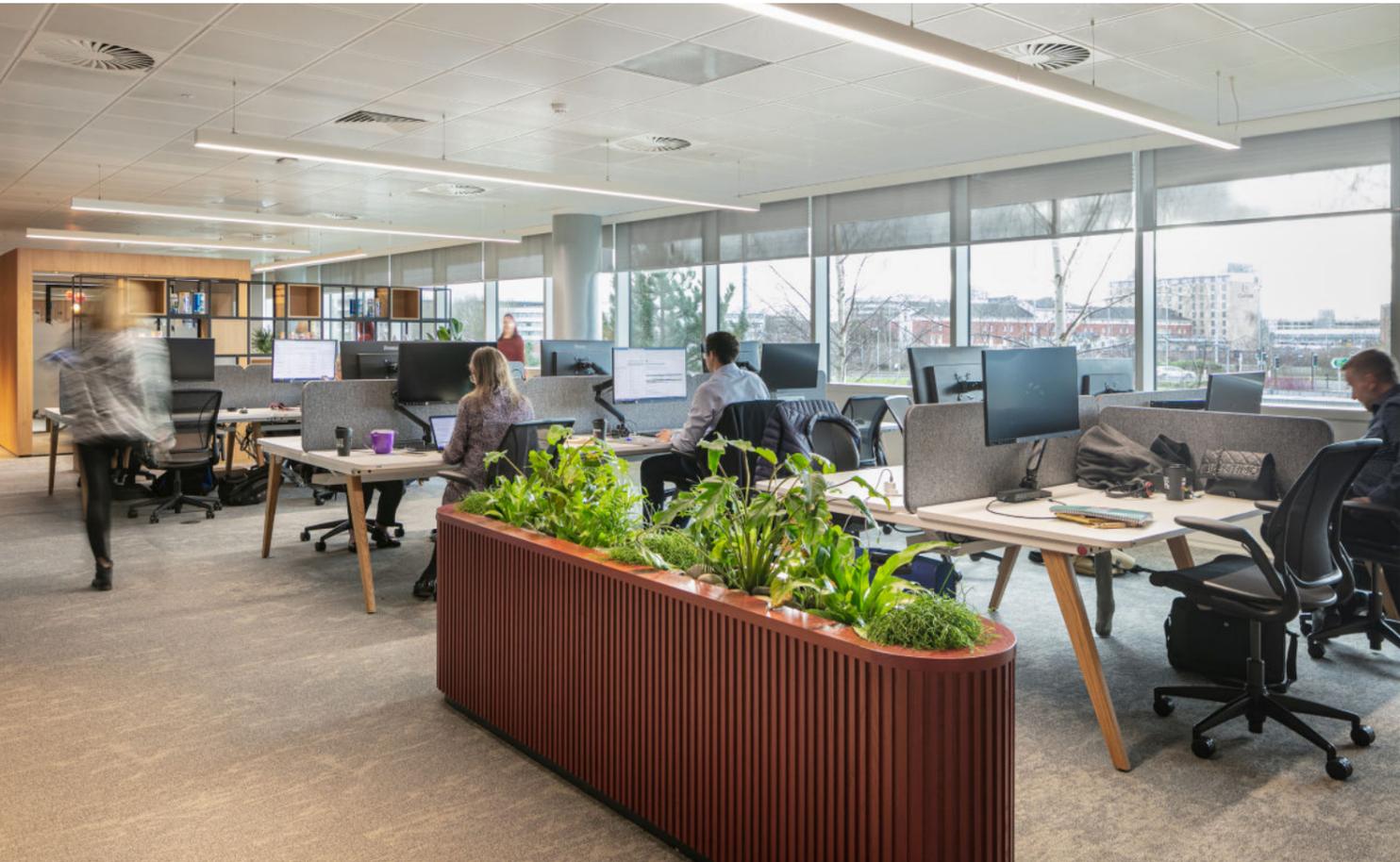


- Simple and fast to design, install and configure
- Cost efficient with great ROI
- Standard DALI luminaires and DALI-2 input devices

5640 - OPEN PLAN



- Out-of-the-box operation with presence detection and daylight savings
- Standard DALI luminaires
- Add grouping and corridor hold for additional comfort



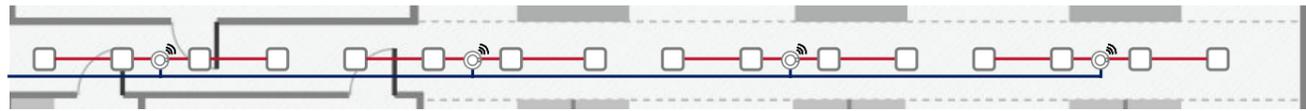
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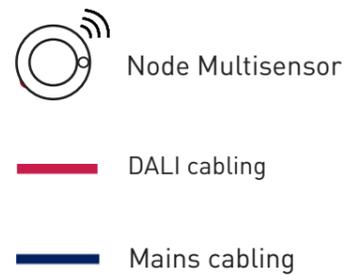
5640 ActiveAhead Node Multisensor



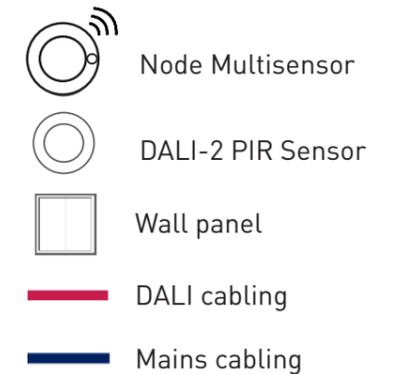
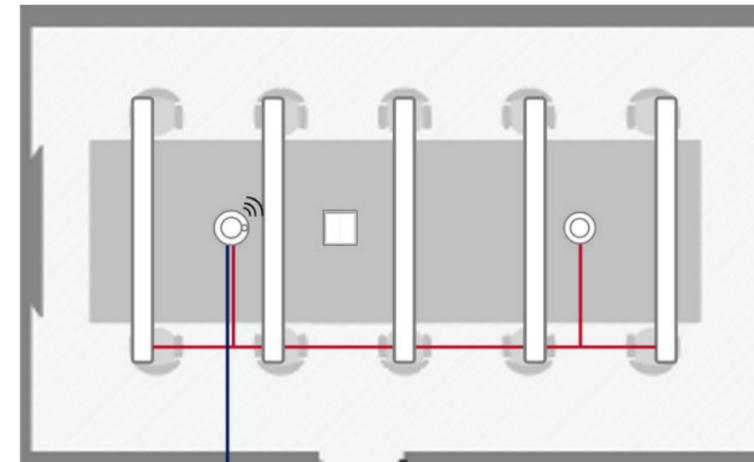
5640 - CORRIDOR



- Out-of-the-box operation with presence detection and daylight savings
- Standard DALI luminaires
- Add grouping and corridor hold for additional comfort



5640 - MEETING ROOM A



- Presence or absence detection and daylight savings
- Standard DALI luminaires
- Add group and wall panel for manual control
- Add corridor hold for additional comfort



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5640 ActiveAhead Node Multisensor



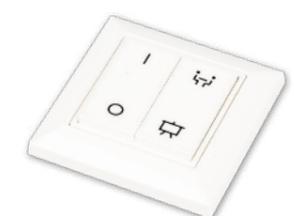
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5640 ActiveAhead Node Multisensor

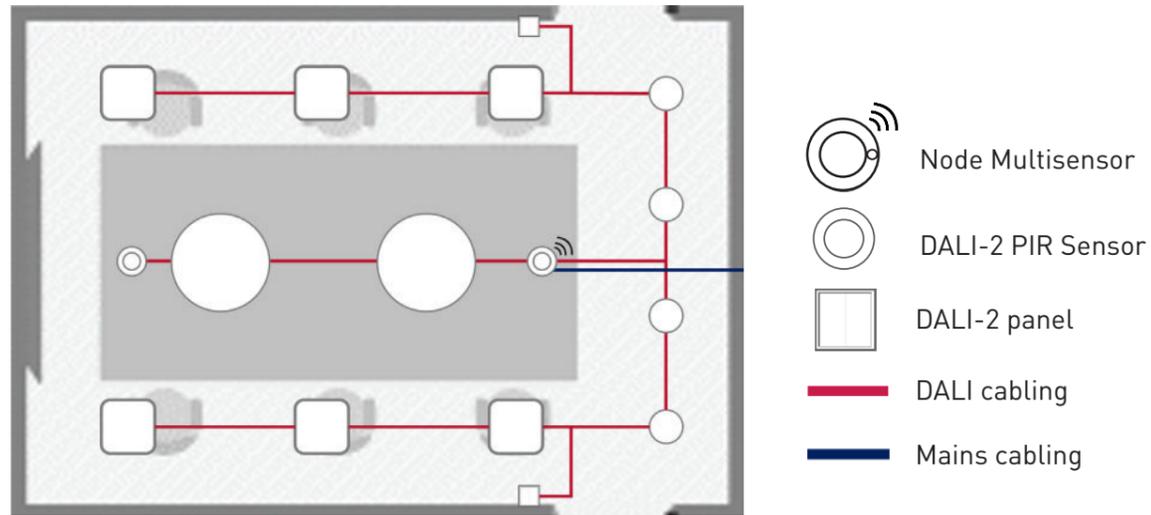


320D2 PIR Sensor (DALI-2)



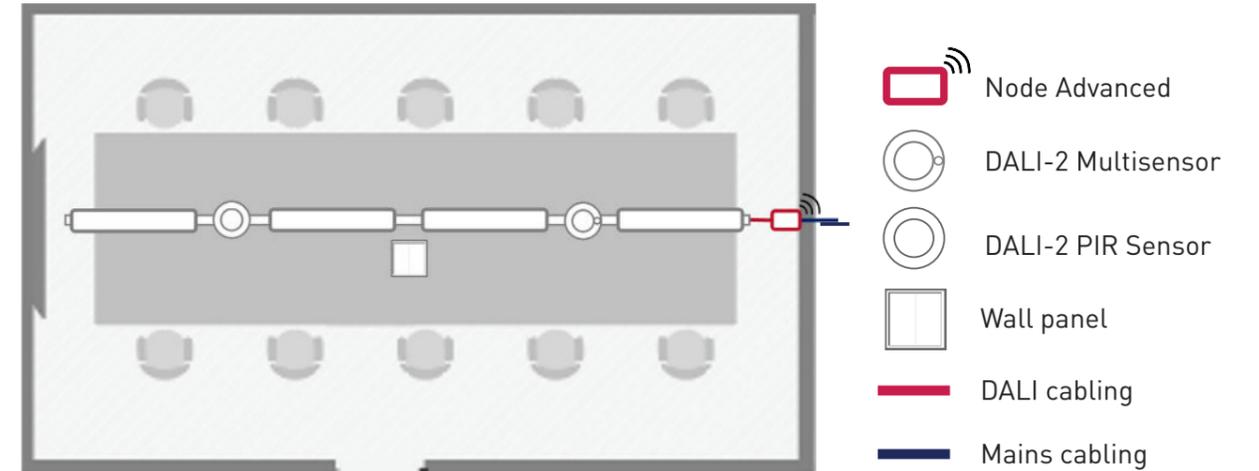
185W Wireless Control Panel

5640 & DALI-2 PANELS - MEETING ROOM B

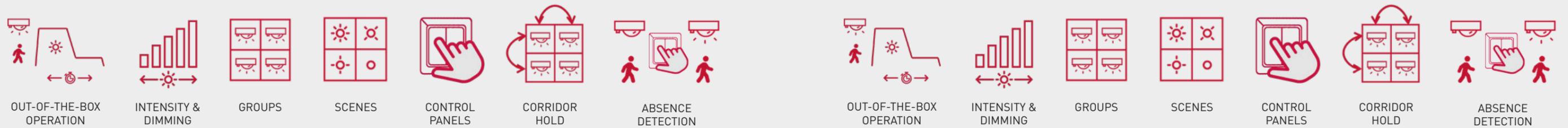


- Presence or absence detection and daylight savings
- Standard DALI luminaires
- Add DALI-2 panel for manual control
- Add corridor hold for additional comfort

5609 & DALI TRACK - MEETING ROOM C



- Presence or absence detection and daylight savings
- DALI lighting track luminaires and Tracksensors
- Add group and wall panel for manual control
- Add corridor hold for additional comfort.



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5640 ActiveAhead Node Multisensor



320D2 PIR Sensor (DALI-2)



135WD2 Modular Panel (DALI-2)

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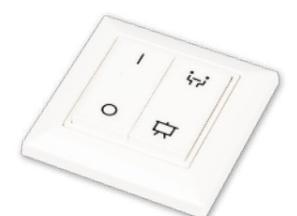
5609 ActiveAhead Node Advanced



321D2TR Multisensor DALI-2, Track

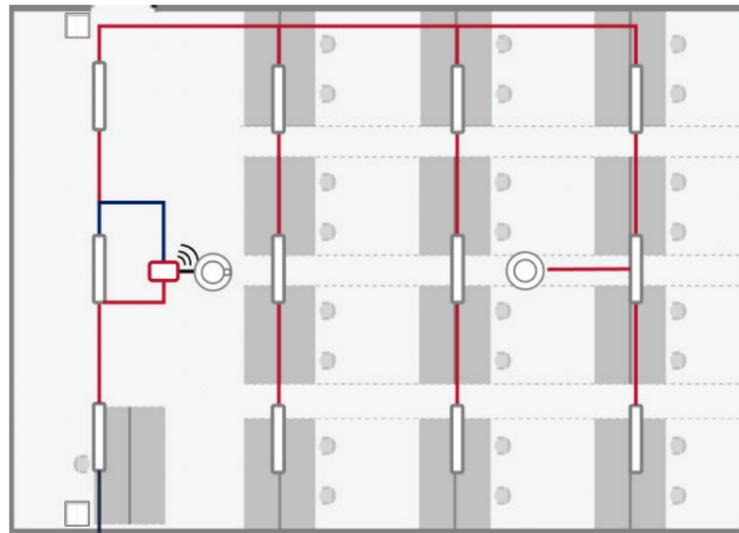


320D2TR PIR Sensor DALI-2, Track



185W Wireless Control Panel

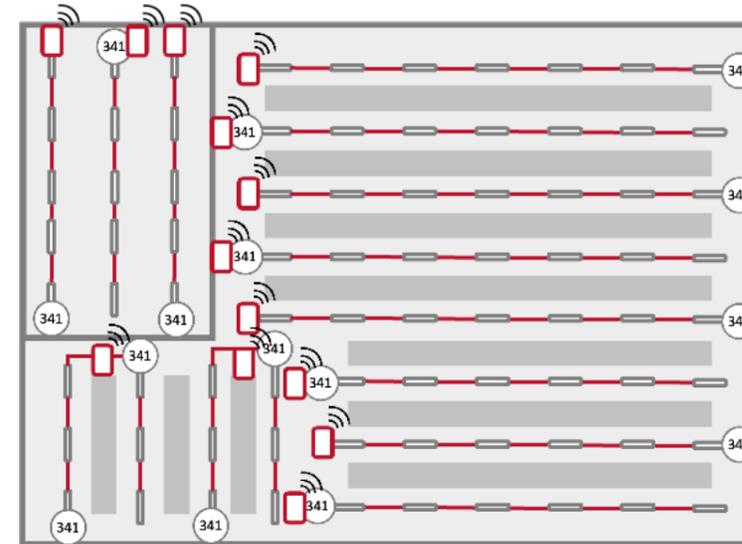
5609 - CLASSROOM



-  Node Advanced
-  DALI-2 PIR Sensor
-  Sense Sensor
-  Wall panel
-  DALI cabling
-  Mains cabling

- Presence or absence detection and daylight savings
- Standard DALI luminaires
- Add group and wall panel for manual control
- Add corridor hold for additional comfort

5609 - GROCERY STORE



-  Node Advanced
-  341 Corridor Sensor
-  DALI cabling

- Node Advanced powers and controls the DALI line
- Presence detection
- Add groups for comfort



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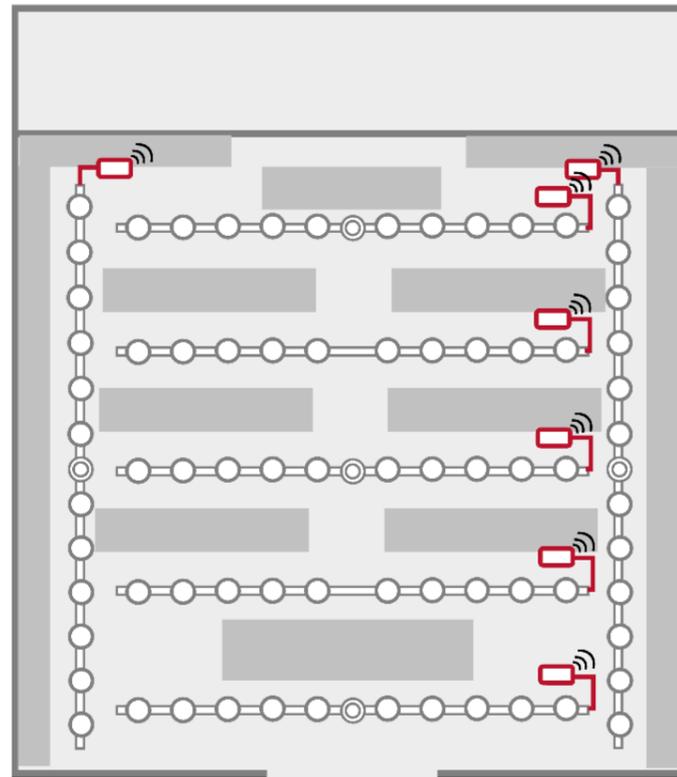
5609 ActiveAhead Node Advanced 320D2 PIR Sensor (DALI-2) 5630 ActiveAhead Sense 5692 ActiveAhead Sense Circular Holder 185W Wireless Control Panel

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5609 ActiveAhead Node Advanced 341 Corridor sensor

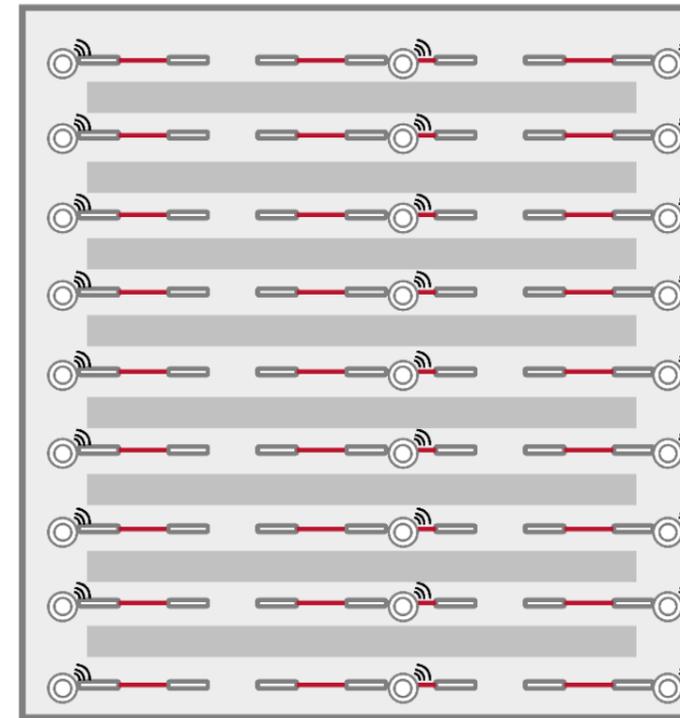
5609 - RETAIL



-  Node Advanced
-  DALI-2 Track Sensor
-  DALI cabling
-  DALI lighting track

- Node Advanced powers and controls the DALI line on the track
- Presence detection
- Add groups for comfort

5641 - WAREHOUSE



-  Node Multisensor High Bay
-  DALI cabling

- Node Multisensor High Bay powers and controls the connected DALI line
- Presence detection
- Add groups for comfort



INTENSITY & DIMMING



PRESENCE DETECTION



GROUPS



INTENSITY & DIMMING



PRESENCE DETECTION



GROUPS

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5609 ActiveAhead Node Advanced

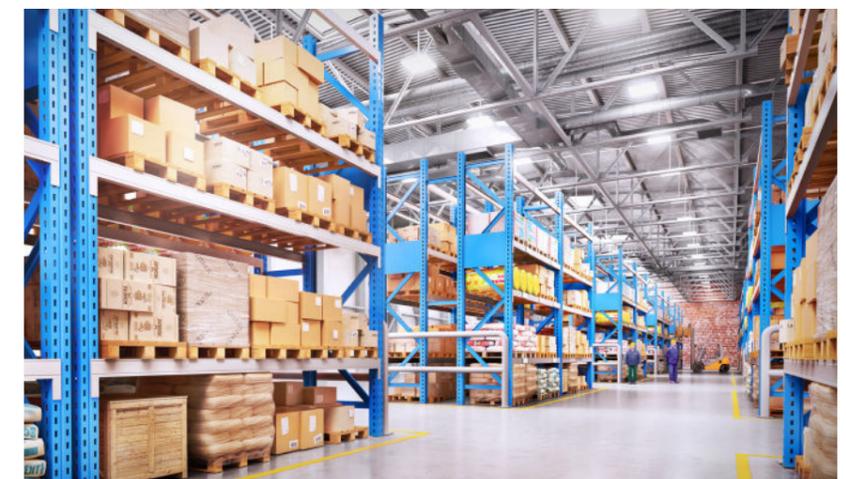


320D2TR PIR Sensor DALI-2, Track

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5641 ActiveAhead Node Multisensor High Bay



Ready to unlock the benefits of wireless and DALI-2 in your projects? Whether you have an upcoming project or you just want to learn more, our team of experts is here to help.

Get in touch at helvar.com/chat or click below

Speak with an expert today!

We're based in Finland, Sweden and the UK - but we work with Partners all over the world.

FINLAND
HELVAR OY AB,
Keilaranta 5
FI-02150 Espoo
Tel. +358 9 5654 1

SWEDEN
Helvar AB
Åsögatan 155
SE-11632 Stockholm
Tel. +46 8 545 239 70

UNITED KINGDOM
Helvar Ltd
Hawley Mill, Hawley Road
Dartford, Kent, DA2 7SY
Tel. +44 1322 617 200

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