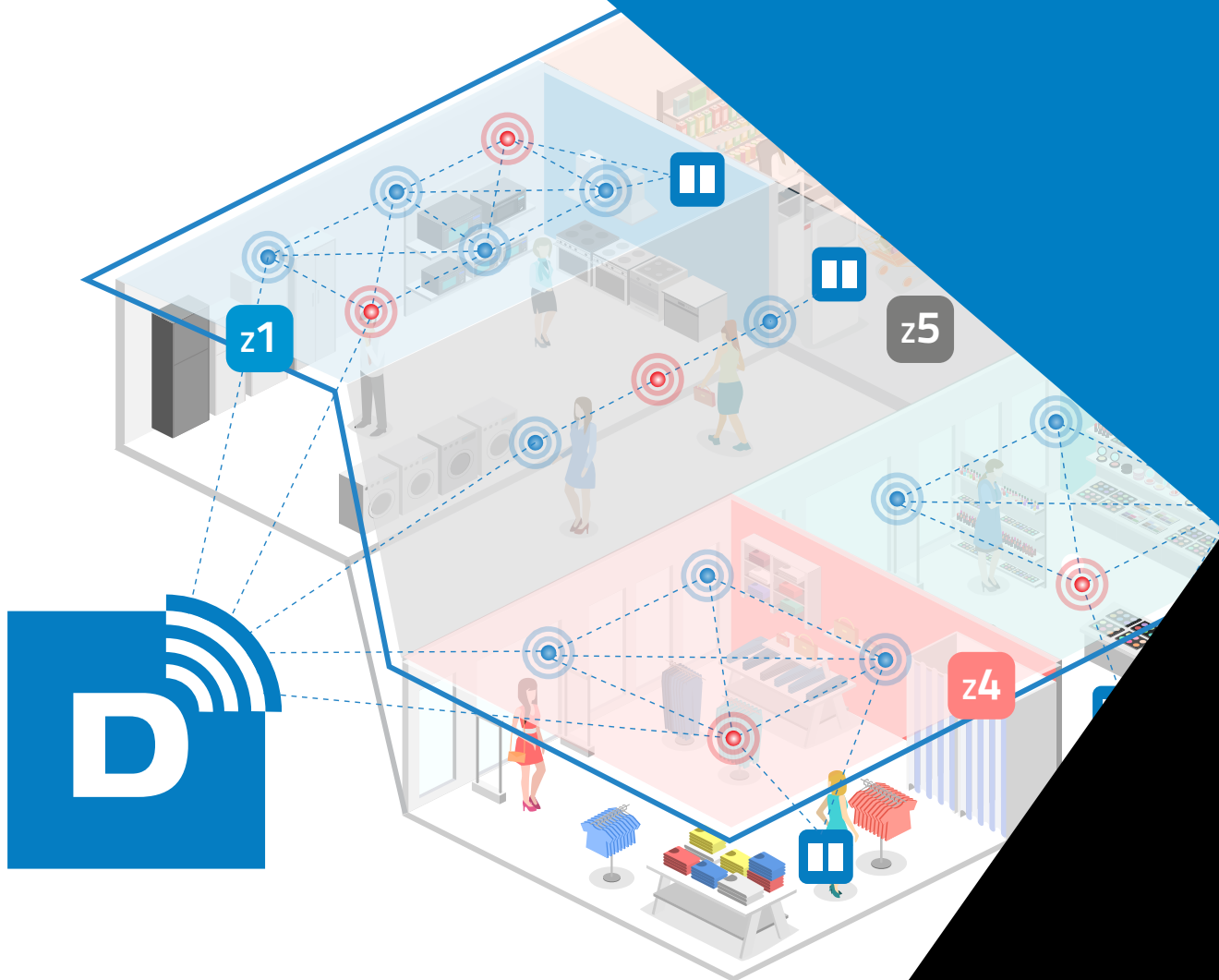




REACTA WIRELESS

REACTA-AIR

Reacta Wireless combines simplicity with control.

By choosing a wireless system you can reduce installation time and cost and simultaneously implement a connected lighting control system offering everything from linked sensor control through to a full lighting management solution. Reductions in energy usage, emergency testing and installation costs can be made without the expense and inconvenience of installing a wired BUS system throughout your site.

Reacta Wireless is available in a range of tiers, from a web based full lighting management and emergency testing system through to more simplistic linked sensor and wall switch operation, Reacta Wireless can offer a solution to meet your needs at all levels.

Reacta-Air is commissioned through any Bluetooth enabled mobile device, and uses its own bespoke 2.4GHz communication protocol between wireless nodes.



The Reacta Wireless range incorporates three separate systems.

Reacta-Link is used for internet based reporting of every aspect of your installation across multiple sites including energy, faults and emergency reporting amongst others. Where more basic linked sensor operation is required Reacta-Air is used for internal IP20 applications. Reacta-Control offers more advanced wireless control and integration into single site wireless emergency reporting.



	REACTA-CONTROL	REACTA-LINK	REACTA-AIR
OPERATION			
Presence detection	Y	Y	Y
Daylight regulation	Y	Y	Y
Grouped mains operation	Y	Y	Y
Wireless wall switching	Y	Y	Y
White tunable	Y	Y	N
Local Control Key Fob	N	Y	N
Local Control Mobile App	N	Y	N
REPORTING			
Mains fault reporting	Y	Y	N
Energy reporting	N	Y	N
Heat mapping	Y	Y	N
Emergency Reporting	Y	Y	N
Central Battery Reporting	N	Y (optional extra)	N
OTHERS			
Multiple Site internet based control	N	Y	N
Building drawing upload for graphical interface	N	Y	N
Individual Site PC based control	Y	N	N
Integration with Wired DALI	Y	N	N
Interior & External	Y	Y	N

CENTRAL BATTERY

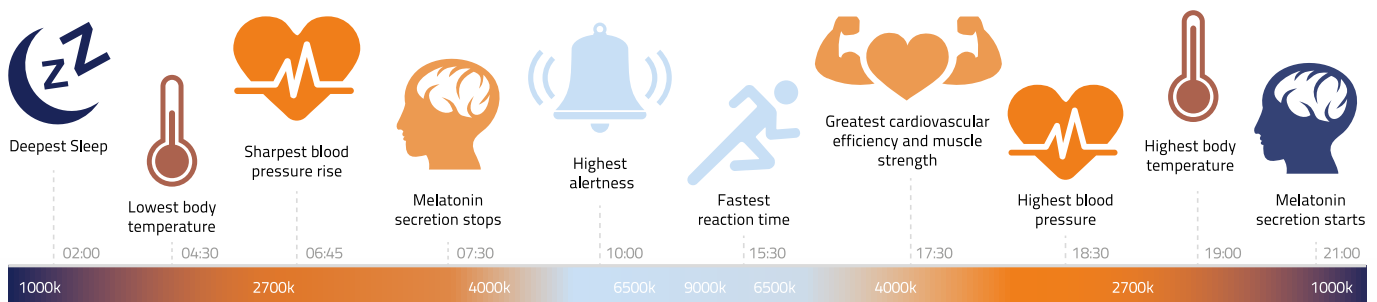
Reacta-Link offers wireless compatibility with locally switched central battery systems allowing you to centrally monitor the status of your emergency luminaires for driver or LED failures.

- Minimise the cost of maintaining your emergency lighting system with automated testing of emergency luminaires.
- Centralised off site storage of all emergency failure reports ensuring compliance with BS 5266.

WHITE TUNABLE

Reacta-Link is available with DT8 twin channel white tunable functionality allowing adjustment of colour temperatures through the day.

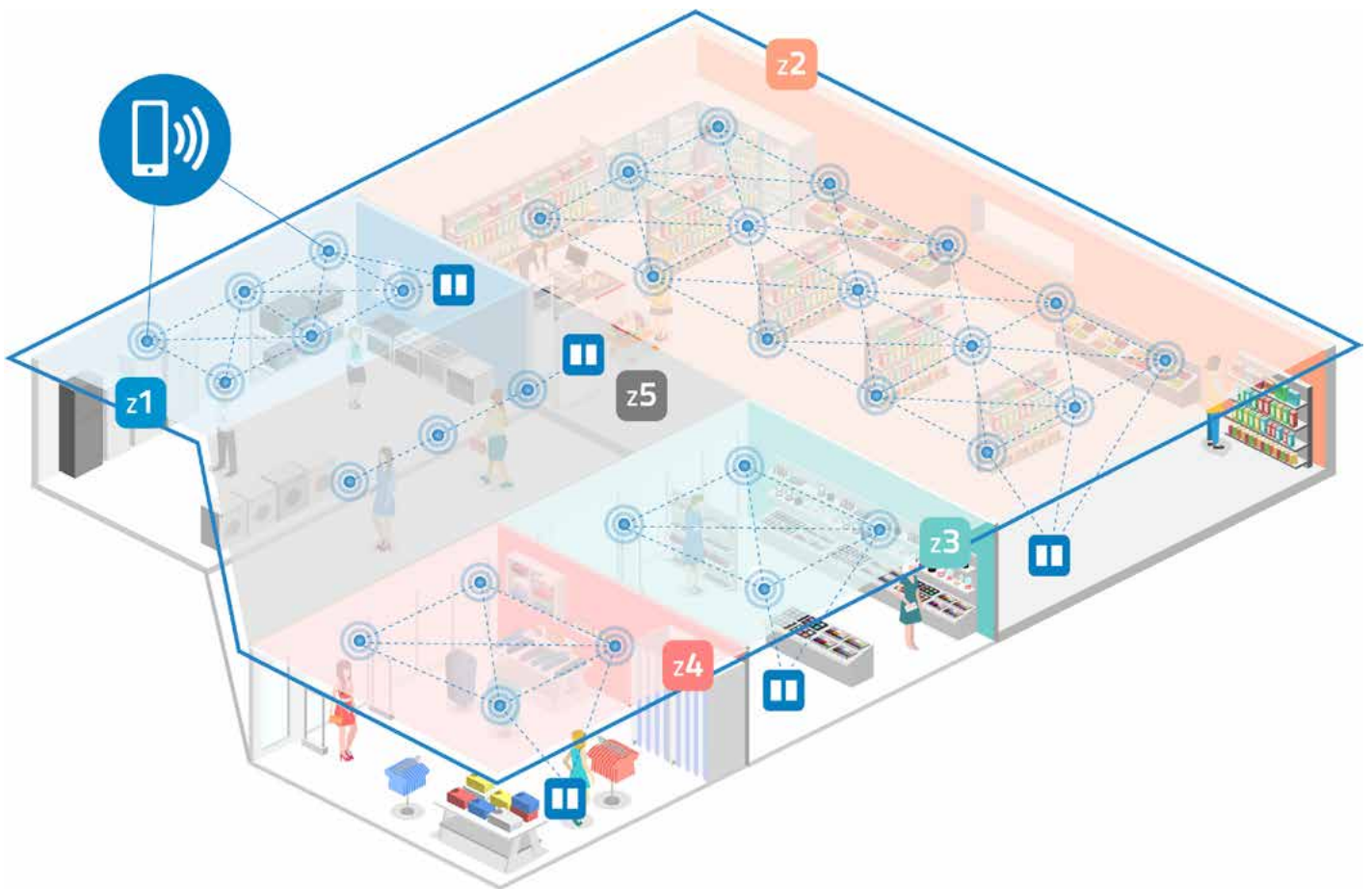
- Use the Reacta-Link web portal to set and adjust colour changes automatically over the course of a day.
- Simulate the colour temperatures of natural daylight to enhance well being for employees and customers.
- Use colour temperatures to enhance your environment, warm colour temperatures can be used to create an inviting and comforting atmosphere while cooler colour temperatures can enhance areas where a clean and sterile appearance is required.
- [Click here](#) for more white tunable information.



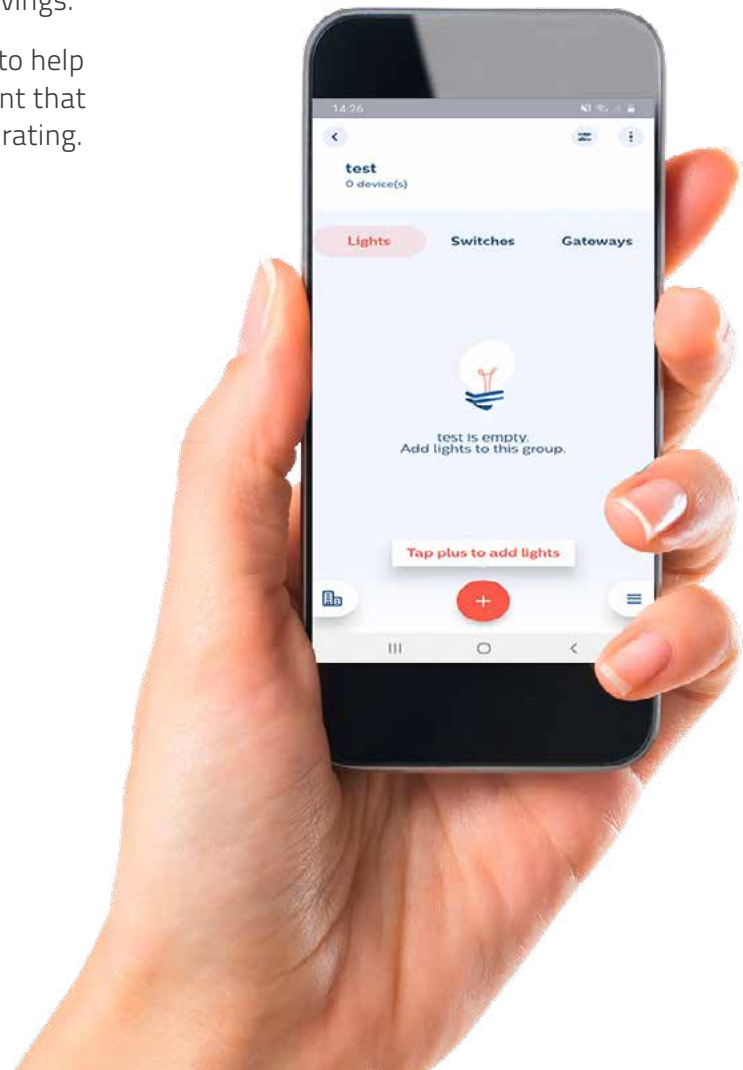
Whilst Reacta-Link offers a full multi-site management system, often clients require a more basic approach where luminaires, sensors and switches can be linked together without the cost and expense that is incurred with the installation of a wired system. In these instances Reacta-Air offers the optimal solution.

In internal applications the Reacta-Air system offers an IP20 solution ideal for schools, hospitals, offices and universities amongst many others.

As with Reacta-Link these systems offer simplicity and control, mobile based commissioning allows quick and user friendly grouping of luminaires and wireless wall switches without incurring the expense to install DALI cabling, routers and power supplies or commissioning.



- Group devices so that any activation can operate all luminaires within the group.
- Wireless battery powered wall switches and sensors allow quick and simple installation to be undertaken, simply mount the switch or sensor on the wall and group with the appropriate luminaires, there is no need to run power feeds to switches or BUS cabling between devices.
- Commissioning is undertaken through Bluetooth Android or Apple mobile devices with a user friendly interface. The simplicity of the system avoids the expense of employing commissioning experts.
- Adjust all parameters via your mobile device, enable and disable PIRs, daylight regulation levels, time delays and fade rates amongst many others.
- Reacta-Air allows power monitoring of groups allowing you to validate your energy savings.
- White Tunable control is now included to help create a welcoming healthy environment that contributes to your buildings Wellness rating.
- Simple adjustment of groups should building layout or area usage change, there is no need to modify wiring, simply allocate your wireless switches or sensors to the luminaires required.
- Ideal for grouped operation in corridors and stairways with multiple points of access, group all luminaires to light the entire area ensuring safe lighting.
- In open plan offices group luminaires so lone workers have sufficient lighting from surrounding luminaires.
- Up to 120 devices per group, please note maximum group sizes may be reduced with wireless switching and energy reporting, please contact our technical department for full details.
- 5 year warranty on Reacta-Air components



Occupancy based control

Turns the PIR on / off

Daylight based control

Turns daylight regulation on / off

Daylight dependent override

Will hold the luminaires off when there is sufficient daylight in the area. Once there is presence in the area they will only switch on when the lux level drops below 150% of the set value (Field Task Value).

Daylight dependent switching

When turned off the luminaires will not dim below the Background Light Level regardless of daylight level. With this turned on the luminaires will turn off when the lux level exceeds 150% of the set value (Field Task Value).

Group Light Behaviour

Background Light level: Any luminaire that is triggered will increase output to Field Task Level, others in the group will increase level to Background Light Level.

Field Task Level: If any luminaire in a group is triggered all luminaires in that group will increase output to Field Task Level.

Occupancy Mode

Auto on/off: The luminaires will only turn on and off from the sensor

Manual on/off: The luminaires will only turn on and off from the grouped wireless wall switch

Manual on/Auto off: The luminaires will only turn on from the wall switch, and turn off from either the wall switch or through absence (Absence Detection)

Field Task Level

Determines the output required in areas of occupancy, the working lux level.

Eco On Level

Determines the output of the luminaires when first switched on.

Background Light Level

The level to which the luminaires will dim during periods of absence, or the level to which luminaires in a group will operate when motion is not detected when Group Light Behaviour is set to "Background Light Level".

Hold time

The amount of time the luminaires spend at full output after the last seen motion before dimming to the Background Light Level.

Prolong Time

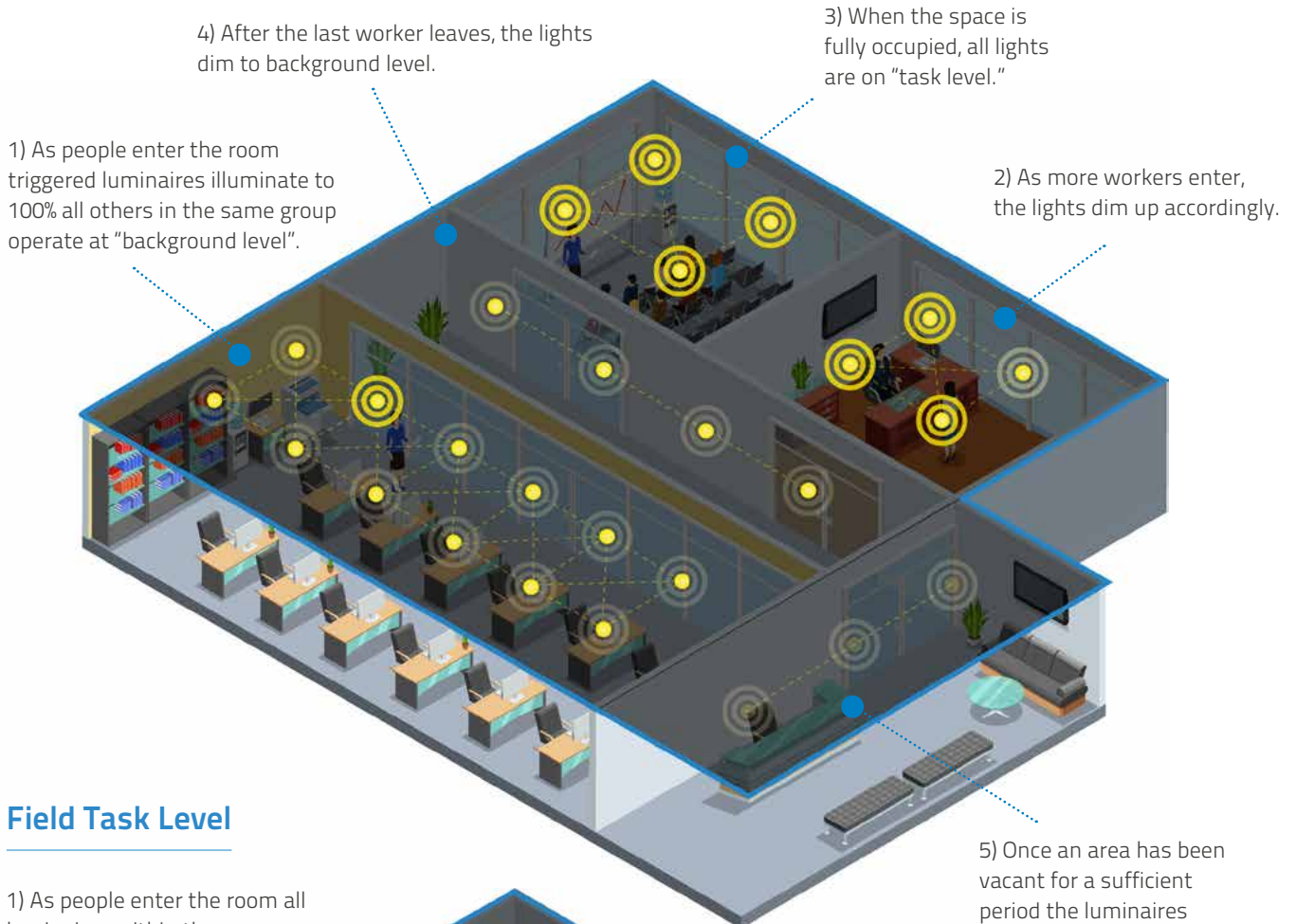
The amount of time the luminaires spend at the Background Light Level before turning off altogether.

Grace Fading

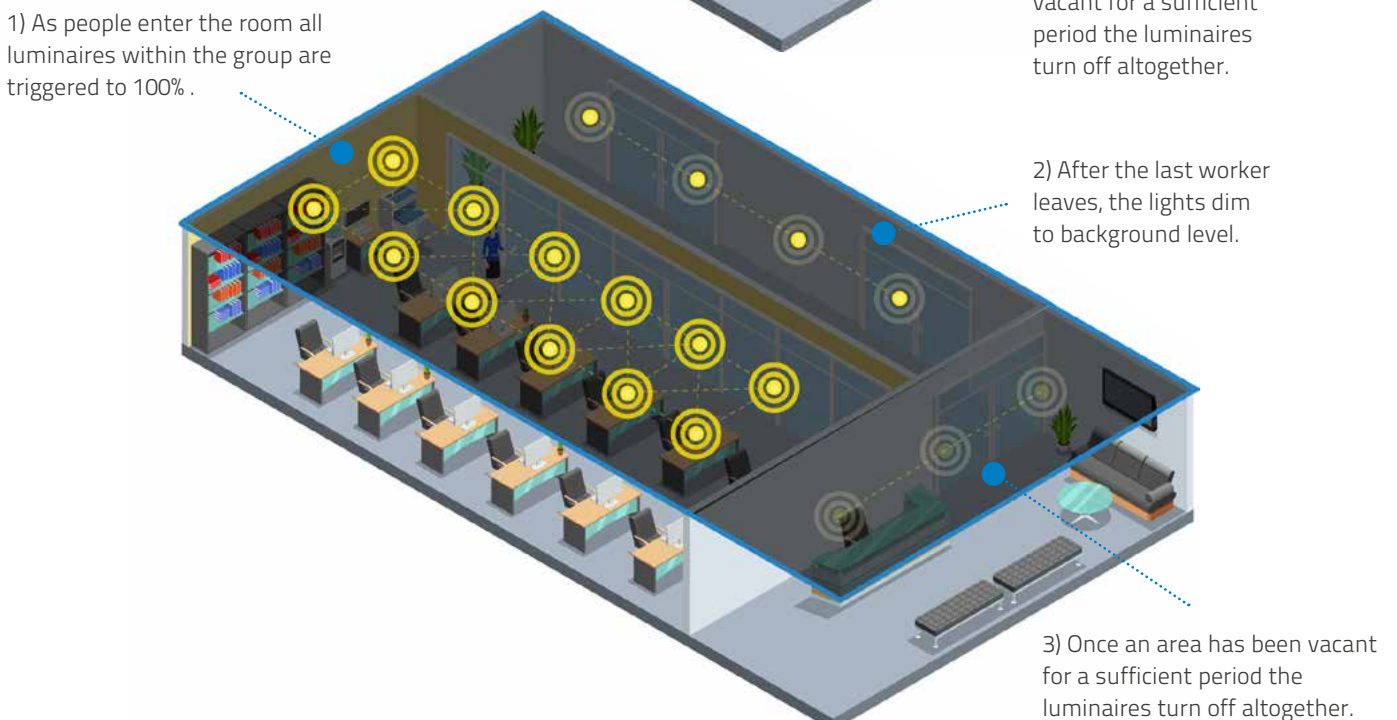
The amount of time the luminaires take to dim from the Field Task Level to the Background Light Level.

Configure your Reacta-Air installation to suit your requirements for background light levels across the group when areas are only partially occupied.

Background Light Level



Field Task Level





Commissioning

Bluetooth wireless communication allows for quick and simple commissioning via two methods.

Proximity Commissioning

Ideal for smaller installations, proximity commissioning will allow all devices within Bluetooth range to be visible on your mobile device. When a device is selected on the list the associated luminaire will begin to flash allowing you to group them as required.

Torch Commissioning

For larger installations it may be helpful to be able to group luminaires with a directional device for speed and simplicity. Simply activate grouping mode on your mobile device and all luminaires within Bluetooth range will be added to the group when the photocell sees sufficient light, this allows luminaires to be rapidly grouped by simply shining a reasonably powerful focused torch into the sensor.

Security

When commissioning your installation the devices will be permanently linked to the mobile device used. When completed it is important to synchronise your settings with the cloud through the Philips Masterconnect App, this enables access rights to be granted to other devices through a password protected system and ensures that your sensors can still be adjusted in the event that the original commissioning device is lost or damaged.

REACTA-AIR WIRELESS COMPONENTS



RAS

Reacta-Air Integral presence and daylight sensor



RAD

Reacta-Air Driver for use with either RASS and RAS sensors (do not combine RASS and RAS sensors in the same group)



RAN

Reacta-Air Node



RASS

Reacta-Air Standalone Presence Sensor for control of luminaires containing RAD drivers. Battery powered and wireless, no wiring required.



RASD

Reacta-Air Standalone Presence and Daylight Sensor for control of luminaires containing RAD drivers. Battery powered and wireless, no wiring required.

REACTA-AIR WIRELESS COMPONENTS



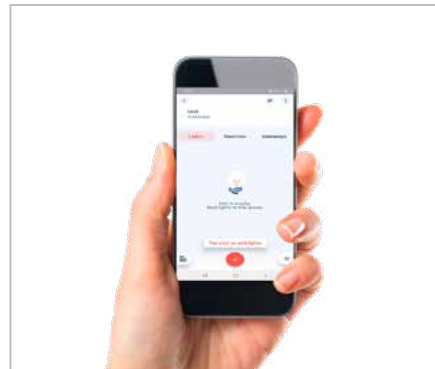
RASW 2B

Dimmable, kinetic battery less wireless wall switch



RASW 4B

Dimmable, kinetic battery less wireless wall switch



REACTA-AIR APP

Available on both Android and Apple devices, commissioning is undertaken through Bluetooth.



 [REACTA-AIR APPS USER MANUAL](#)