

CONNECT

Smart **lighting** solution



Energy
savings



Visual
comfort




Smart
management




Integration
BMS

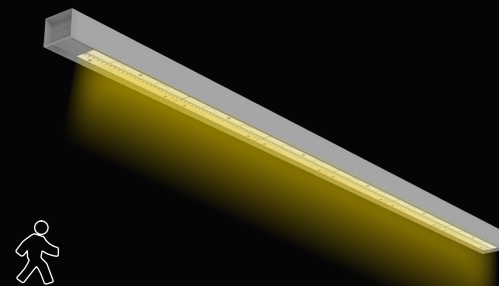
THE LIGHTING ADAPTS NATURALLY TO THE BUILDING'S ACTIVITY

Each **CONNECT** device automatically adjusts its brightness based on whether anyone is actually in the room.

 More light where there's activity

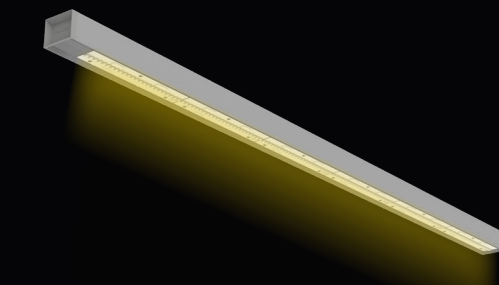
 Less energy used where it isn't needed

Adaptive lighting, per unit



Activity detected
High level

90%



No activity detected
Low level

60%



Local detection



Smart adjustment



Energy savings



SMART FEATURES BUILT INTO EVERY DEVICE

CONNECT is based on a wireless architecture in which each device operates independently

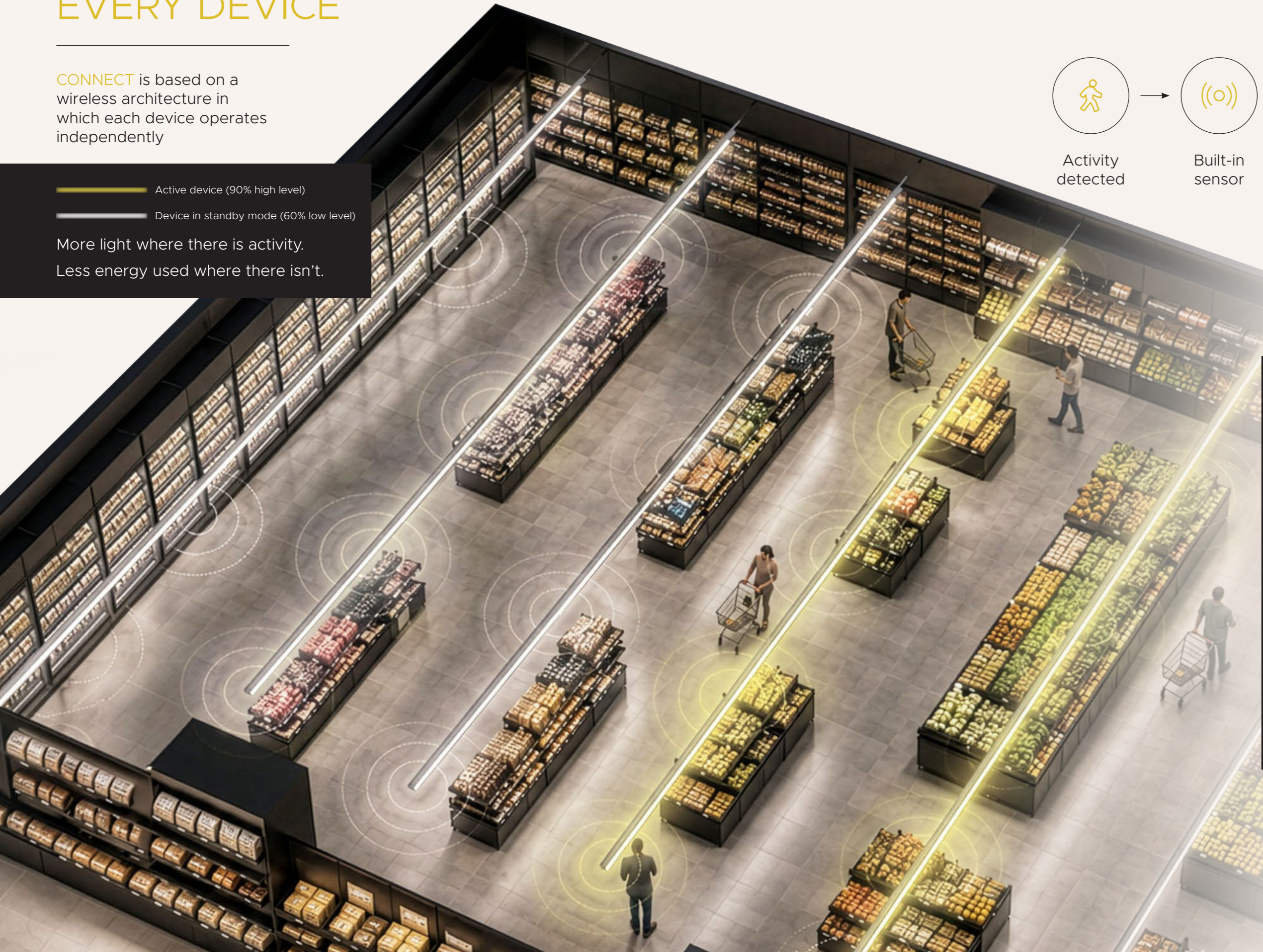
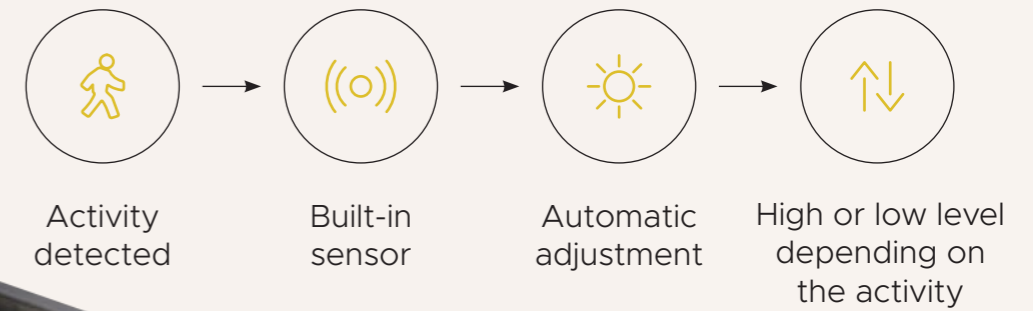
- Active device (90% high level)
- Device in standby mode (60% low level)

More light where there is activity.
Less energy used where there isn't.

Thanks to its built-in sensor, each light fitting analyses activity in its immediate surroundings in real time in order to automatically adjust its light output.

The result: lighting that is always tailored to the building's actual usage, without the need for manual intervention.

How does it work ?



Wireless
Simple and
scalable installation



Device by device
Each light fitting makes
its own decision locally



Real-time adaptation
Lighting always in line
with actual activity

TRATO
Lighting

THE LIGHTING ADAPTS TO EVERY MOMENT IN THE SHOP

CONNECT offers **four smart scenarios** that automatically adjust the settings of each device according to how the building is being used.

For each scenario, the lighting levels when the lights are set to high or low can be fully customised for each light fitting.

Each scenario has its own brightness levels, both when the influence is present and when it is not



Configurable

Customisable brightness levels for each scenario



Automatic

Scenario activation tailored to the building's rhythm



Suitable for every purpose

The right lighting, at the right time, at the right level

PERSONAL OPENING MODE
Preparations before opening to the public

- Adjustable brightness for energy savings
- Visual comfort tailored to staff needs
- Reduced energy usage during preparation

High attendance	Low attendance
30%	20%

SHOP OPENING MODE
Normal shop operations

- Dynamic lighting depending on footfall
- Constant visual comfort
- Optimised consumption

High attendance	Low attendance
90%	60%

ECO SHOP OPENING MODE
Optimised operation to reduce consumption

- A balanced and efficient light output
- Visual comfort maintained
- Optimised energy savings

High attendance	Low attendance
70%	50%

NIGHT MODE
Maximum reduction in consumption

- Automatic switch-off when no one is present
- Safety of the premises is guaranteed
- Minimal consumption

High attendance	Low attendance
100%	OFF

CONNECT INTEGRATES SEAMLESSLY INTO THE BUILDING


Thanks to its **BACnet/IP gateway**, **CONNECT** communicates in real time with the building's technical systems.


Lighting is becoming an intelligent component of the BMS in order to optimise energy consumption, operational scenarios and overall site monitoring.

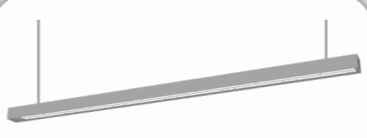
 Lighting is becoming an intelligent component of the BMS


Overall supervision
View and control the lighting via the BMS


Energy efficiency
Optimise energy consumption and performance


Operating scenarios
Activate or schedule your scenarios remotely

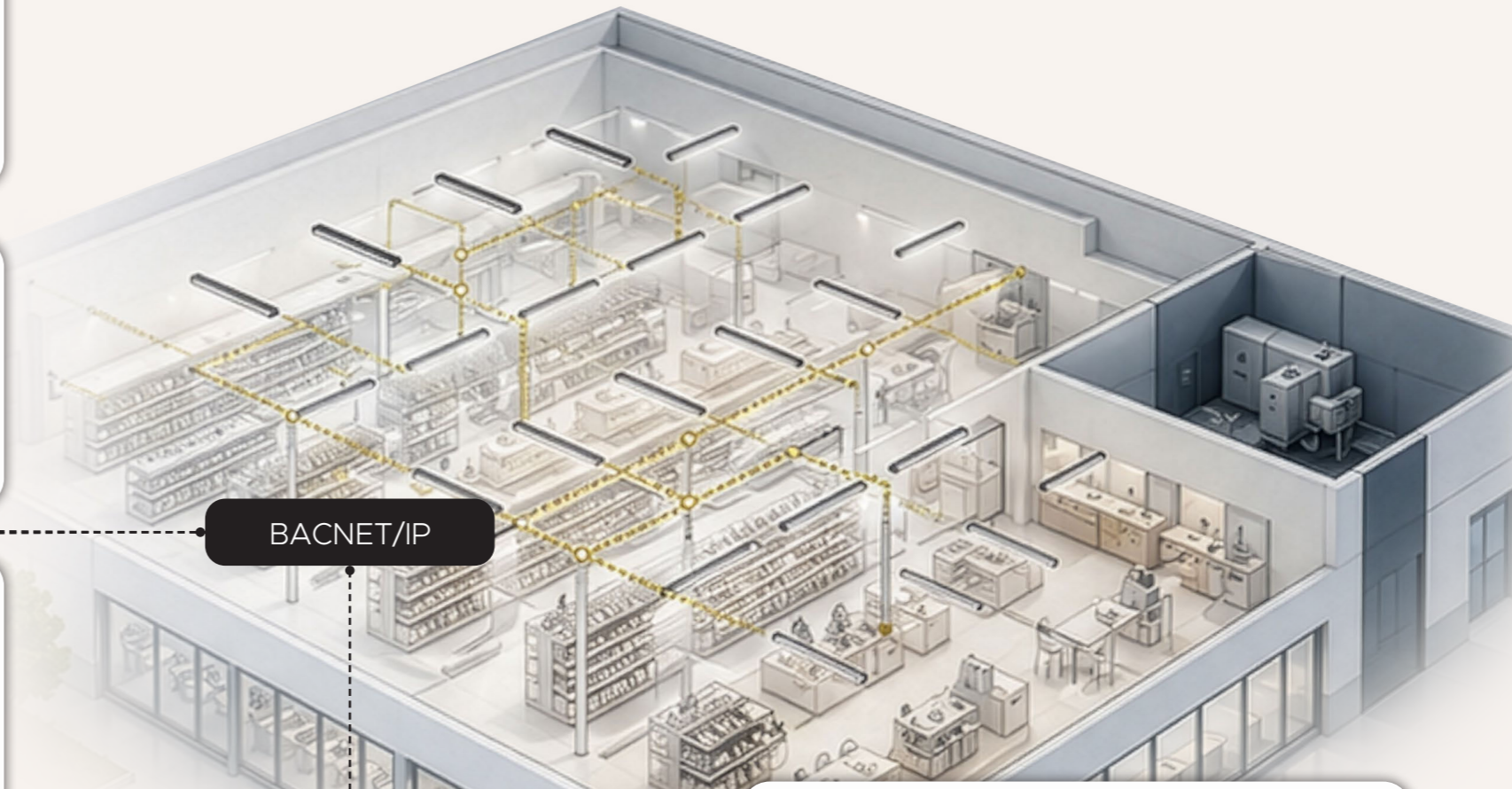

Alerts & maintenance
Receive real-time information and alerts



CONNECT LIGHTING
Reminder of the scenarios



CONNECT GATEWAY
BACnet/IP gateway for BMS integration


BMS / MONITORING
Centralised building control and monitoring


NATIVE INTEGRATION VIA BACNET/IP



 ENERGY MANAGEMENT
Optimising energy consumption and monitoring performance

 HVAC
Interaction with heating and air-conditioning systems

 SECURITY
Management of technical scenarios, alarms and degraded modes

 THIRD-PARTY SUPERVISION
Can be connected to other systems and platforms

BACnet

BACnet/IP
An open, standardised protocol for native integration



Centralised monitoring
All lighting data available in your BMS



Smart Building Ready
CONNECT complies with the BACS Decree



TRATO

Lighting

22 rue Molière - BP369 - 59057 ROUBAIX Cedex 01 (Lille) FRANCE
Tél. : +33 (0) 320 81 50 00
Email : contact@trato.fr
Web : www.trato.fr