interact

Smart lighting for smart businesses

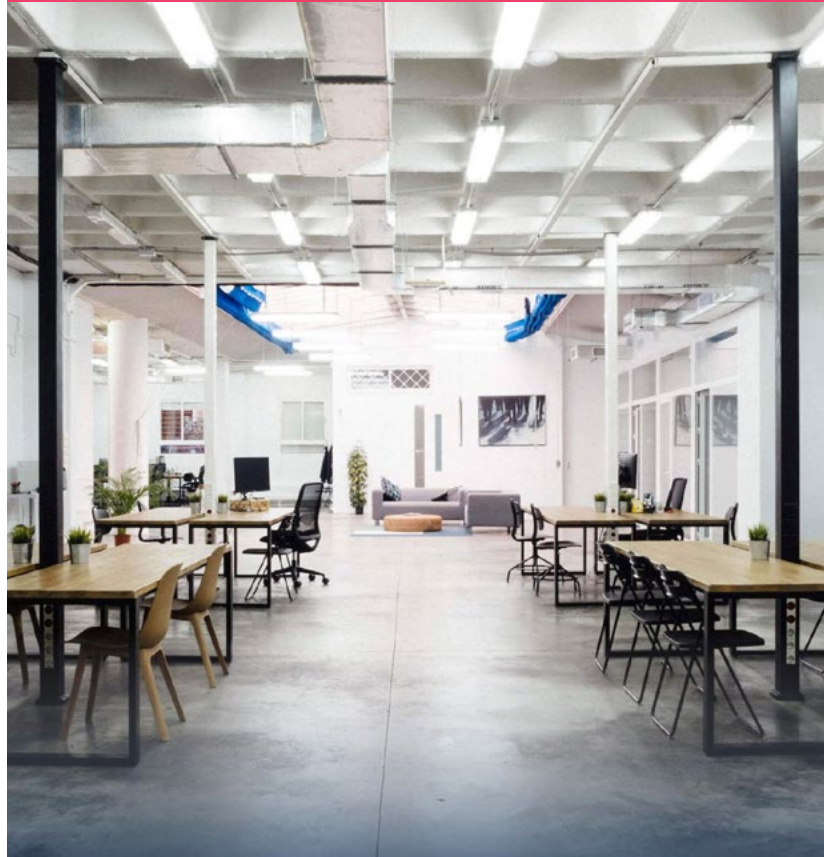## How can businesses benefit from smart lighting?

Smart lighting lets SMEs create workplaces that are more comfortable, more secure and more productive, all while boosting energy savings and meeting sustainability targets.
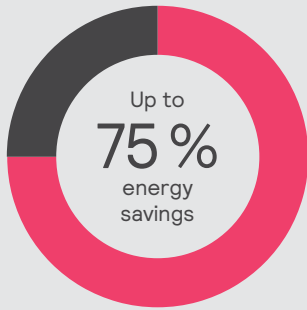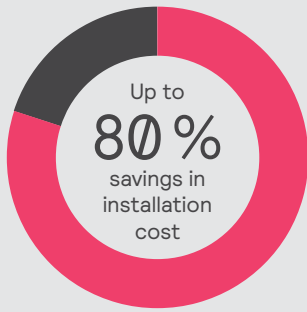
To make it easy for SMEs to enjoy the benefits of smart lighting, we're introducing the new Interact Pro scalable system. It's a cost-efficient and wireless solution for every step of your customer's smart lighting journey. The system is fully scalable, so it can grow as business requirements grow – from smart to super-smart.

Wherever you work, it works

- Perfect solution for projects of all sizes and scope
- No restriction on light points – ideal for offices, industrial sites, warehouses, schools and many more areas of application
- Wide range of Interact Ready lamps and luminaires, smart sensors and switches to cover all application needs

Fully compliant with all standard regulations to claim utility rebates (ASHRAE, Title 24, IECC, UL924, DLC)

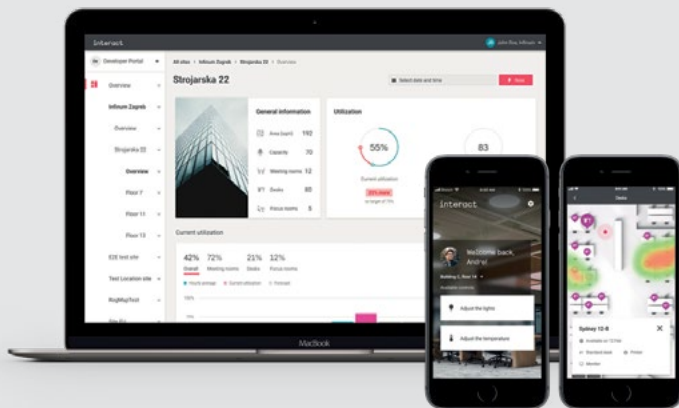**Up to 80 % savings in installation cost**

Up to 75 % energy savings

Step 1: Start simple and lay the foundation

- Smart lighting with luminaire integrated occupancy and daylight sensor
- Simply connect the Interact Ready luminaires, retrofit kits and lamps with the intuitive Interact Pro app through a Bluetooth connection.
- Add sensors, switches, 3rd party 0–10V or phase dimming luminaires.
- Set-up is simple and straightforward, just like SpaceWise: no need for additional wiring or access to the building's internet connection.
- Save up to 80 % on installation and material cost compared with more complex systems.
- Boost energy savings up to 75 % with the unique adaptive dimming and dwell time features.

Step 2: Scale up for more benefits by adding a gateway

- Instant access to cloud-based benefits and functionality such as scheduling, remote access, adaptation and energy monitoring, light point information regarding lifetime and health, as well as regular feature updates.
- Integrate with utilities for Open ADR based demand response strategy
- As your system grows, you can keep and build on all previously installed light points.
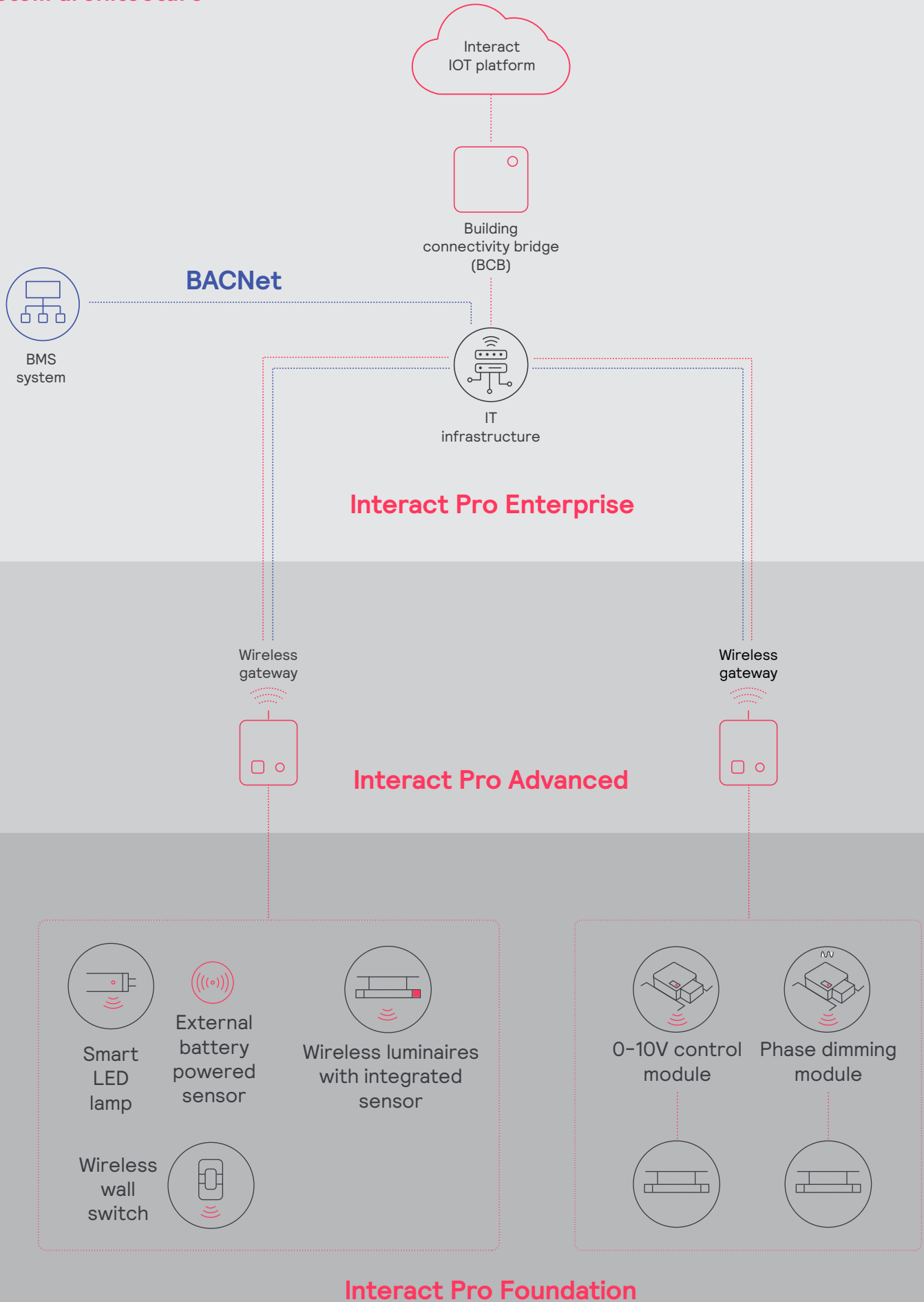
Step 3: Tap the full potential of the IoT

- Access to occupancy, asset health and environmental sensing data
- Optimize workspace quality, improve safety and productivity and boost employee engagement – even across multi-sites.
- Unlock more savings with BMS integration
- Minimize waste with real time way-finding and desk/room booking tools

Learn more about the benefits of Interact for SME at:
www.interact-lighting.com/interactproscalablesystem

System architecture

Interact
IOT platform

Building
connectivity bridge
(BCB)
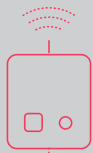
BACNet

BMS
system

IT
infrastructure

Interact Pro Enterprise

Wireless
gateway
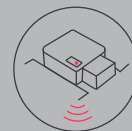
Wireless
gateway

Interact Pro Advanced
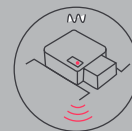
Smart
LED
lamp

External
battery
powered
sensor

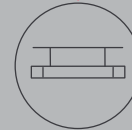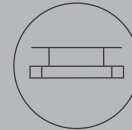Wireless luminaires
with integrated
sensor

0-10V control
module

Phase dimming
module

Wireless
wall
switch

Interact Pro Foundation

Functionalities overview

	Foundation	Advanced	Enterprise
Meet building codes			
Integrated occupancy and daylight sensing	✓	✓	✓
Manual ON	✓	✓	✓
Partial automatic ON	✓	✓	✓
Multi-level continous dimming	✓	✓	✓
Automatic shut-off control	✓	✓	✓
Automatic daylight responsive control	✓	✓	✓
Dimming, daylight harvesting & occupancy controls	✓	✓	✓
Automatic receptacle control (Plug load control)	✓	✓	✓
UL924 Emergency	✓	✓	✓
Automatic Demand Responsive controls (Open ADR)	✓	✓	✓
Comply with DLC			
Networking of luminaires and devices	✓	✓	✓
Luminaire Level Lighting Control (LLLC, integrated)	✓	✓	✓
High-end trim	✓	✓	✓
Zoning	✓	✓	✓
Individual addressability	✓	✓	✓
Cybersecurity	✓	✓	✓
Maximize energy savings, rebates & comfort			
Adaotive dimming (light when you need it, where you need it)	✓	✓	✓
Dwell time	✓	✓	✓
BlueTooth (BLE) connectivity	✓	✓	✓
Scene control	✓	✓	✓
Personal control	✓	✓	✓
Energy reporting and export		✓	✓
Scheduling		✓	✓
Device monitoring/remote diagnostics		✓	✓
Beyond code			
Multi-site management		✓	✓
Floor plan visualization			✓
Occupancy analytics (heatmaps)			✓
BACnet integration			✓
APIs (light control, occupancy, people count)			✓
Physically swap/upgrade sensors			✓
IoT features			
Room booking (e.g. meeting rooms)			✓
Outlook and Google calendar integration			✓
Desk booking			✓
People Counting			✓
Temperature & humidity sensing			✓
Noise classification sensing			✓
Wayfinding and Real Time Location Services (RTLS)			✓
Indoor positioning SDK			✓
Kiosk app, Space management app, Workspace app			✓

Building blocks and luminaires

Foundation devices	Interact-ready wireless luminaires	Wireless scene switches (SWS200)	Interact Pro app	0-10V control module (SBZ10-CS)	Phase control module (SBELV-CS)	Plug load control module (RFSR10)	UL924 shunt module (ER100/00)

Optional devices for Advanced	Wireless gateway (LCN 1840/05)	Battery powered sensor	Interact Pro portal				

Optional devices for Enterprise	Wireless gateway (LCN 1850/05)	BCB (LCN 1860/05)	Interact web software application	Space management and Workspace mobile apps	

Ledalite luminaires	ArcForm	BoldPlay	FloatPlane	Sona	SilkSpace
	TruGroove recessed	TruGroove suspended	TruGroove recessed micro	EyeLine	ModiFly

Day-Brite luminaires	ClearAppeal	DuaLED	EvoGrid	FluxGrid	SofTrace LED
	FluxStream strip	FluxStream industrial	FluxStream wraparound	LBX suspended	FBY, FBX, HBY high bays

Lightolier luminaires	Calculite gen 3	LyteProfile	EasyLyte	Commerical retrofit downlight	

Philips retrofit kits and lamps	EvoKit	MasterConnect LED PAR and TLED	Any 0-10V and phase dimming luminaires	Track lighting	Decorative lighting

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

Feature	Out of the box	After firmware and software update
System level		
Total number of gateways	1	10
Total number of lights	200	200 per gateway
• luminaires	200	200
• smart TLEDS	170	200
Total number of ZGP devices (sensors and switches)	30	50
• sensors	15	30
• switches	15	50
• zones and groups	64	64
Group level		
Recommended number of lights	<25	<25
Number of ZGP devices	5	5
Number of scenes	16	16

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