interact

Where simplicity meets scalabity

Introducing Interact Interact for office, education, healthcare, retail and industrial applications

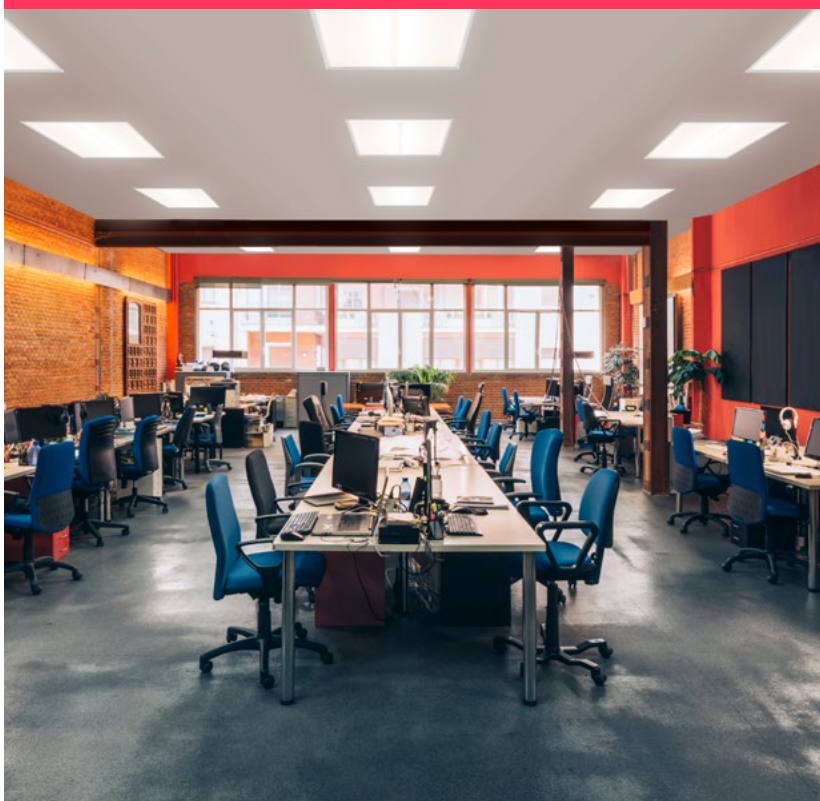
How can businesses benefit from smart lighting?

Smart lighting can 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 you to enjoy the benefits of smart lighting, we're introducing Interact for office, education, healthcare, retail and industrial applications. 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**.

Fully compliant with all standard regulations to claim utility rebates

(ASHRAE, Title 24, IECC, UL924, DLC)



The Interact advantage

Installation savings

Limit installation efforts to 1:1 lighting changes from fluorescent to LED with luminaire level lighting controls.

No control wires and no need for ceiling access. No extra wiring, connectors, copper, or tubes.

Spend less time onsite with setups thanks to an intuitive App and IR based commissioning process.

Create flexible wireless lighting zones and sensor behaviors to meet your customer's needs.

Make the leap from smart lighting to super smart lighting

Adaptive dimming and dwell time features enable the system to adapt to occupancy patterns in real time – delivering deep energy savings while maintaining occupancy comfort levels. This system can help you boost your energy savings, reach your sustainability targets, and enhance occupancy comfort levels immediately.

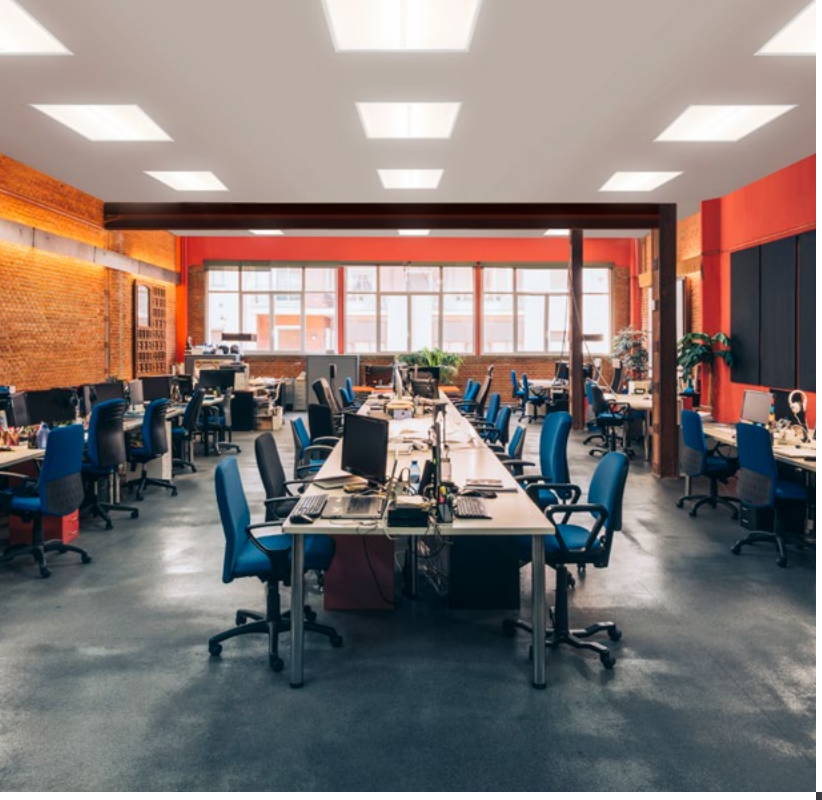
Code compliancy

Meet the latest building codes[3]

Qualify for utility rebates with luminiare level controls:

- Cyber security certified as per IEC62443-4-1
- Meet building codes (ASHRAE, Title 24, IECC)
- No IT, No gateways, No wiring
- Touchless controls
- DLC compliant

1. Versus legacy systems based on installer interviews.
2. Based on installation in the GSA-operated Metcalfe Federal Building located in Chicago, Illinois. This project was installed under the GSA Green Proving Ground Program. https://www.assets.signify.com/is/content/Signify/Assets/philips-lighting/united-states/20201013-gpg-findings-integrated-with-alc.pdf
3. Check with your distributor for details.



Step 1:

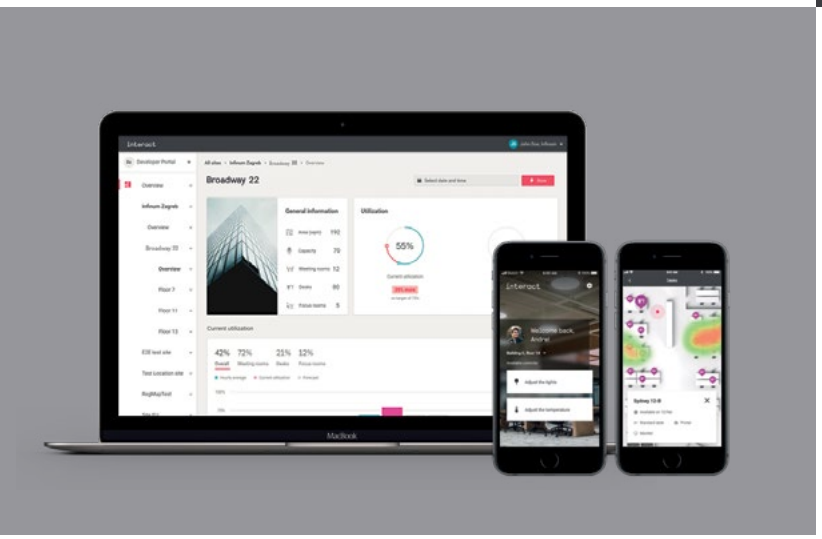
Start simple and lay the foundation

- 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.[4]
- Boost energy savings up to 75 % with the unique adaptive dimming and dwell time features.[5]

Step 2:

Scale up for more benefits by adding a gateway

- Boost energy savings up to 85% with addition of gateways.
- 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.
- Integrated 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 at: www.interact-lighting.com/interactproscalablesystem

4. Compared to wired networked lighting control systems.
5. Based on installation in the GSA-operated Metcalfe Federal Building located in Chicago, Illinois. This project was installed under the GSA Green Proving Ground Program. https://www.assets.signify.com/is/content/Signify/Assets/philips-lighting/united-states/20201013-gpg-findings-integrated-with-alc.pdf

Interact system architecture for office, education, healthcare, retail and industrial applications

Add on devices for Enterprise features

Interact IOT platform

Building connectivity bridge (BCB)

BACNet

BMS system

IT infrastructure

Add on devices for Advanced features

Wireless gateway LCN1840/05

Wireless gateway LCN1840/05

Depending on your application spefications, indoor and outdoor installations can be combined on a single gateway or dedicated gateways.

Foundation building blocks

Interact Pro app

0-10V control module

Phase dimming module

Wireless switch relay controller (plug load, relay, dimming)

Wireless wall switch

External battery powered sensor

Wireless repeater and controller for exterior applicatons

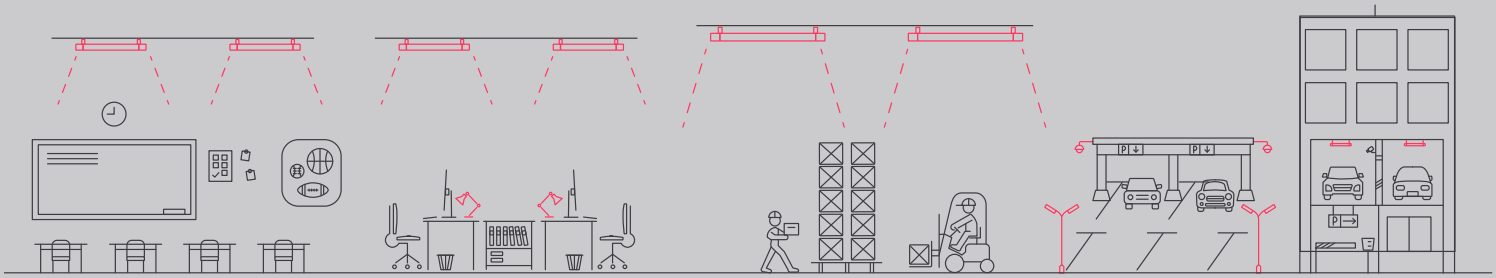
Commissioning remote

Luminaires with wireless integrated sensor

Smart LED lamp

Site & area luminaire with sensor

Parking garage luminaire with sensor



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)	✓	✓	✓
	Outdoor Parking Sensor*	✓	✓	
	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	Adaptive dimming (light when you need it, where you need it)	✓	✓	✓
	Dwell time	✓	✓	✓
	BlueTooth (BLE) connectivity (for commissioning only)	✓	✓	✓
	Scene control	✓	✓	✓
	Personal control for a single user	✓	✓	✓
	Energy reporting and export		✓	✓
	Scheduling		✓	✓
	Device monitoring/remote diagnostics		✓	✓
Beyond code	Circadian lighting support	✓	✓	✓
	Remote management		✓	✓
	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 via App (e.g. meeting room reservation)			✓
	Interface for Outlook and Google calendar integration			✓
	Desk booking via App			✓
	People estimation (via SC1500 sensor, and people counting supported via external PointGrab sensor)			✓
	Temperature & humidity sensing (via SC1500 sensor)			✓
	Noise classification sensing (via SC1500 sensor)			✓
	Wayfinding via App			✓
	Indoor positioning SDK			✓
	IoT Apps: Kiosk App, Space Management App, Workspace App			✓

*Enterprise features not available for outdoor sensor at this time.

Building blocks and luminaires

Foundation devices

Commissioning device (IRT9015)

Wireless switches (SWS)

Zigbee Green Power Switch and Scene Selector (UID8465/10)

Interact Pro app

Battery powered wireless IP42 sensor*

Wireless IP65 occupancy and daylight sensor (LCN3120/05)*

0–10V or Phase control modules (SBAZ10-CS / SBAELS-CS)

UL924 shunt module (ER100/00)

Optional devices for Enterprise

Wireless gateway (LCN 1850/05)

BCB (LCN 1860/05)

Multi sensor bundle (SC1500)

Interact web software application

Space management and Workspace mobile apps

Optional devices for Advanced

Wireless gateway (LCN 1840/05)

Wireless gateway for demand response (LCN1870/05)

Interact Pro portal

Ledalite luminaires

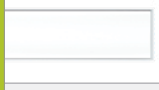
ArcForm

BoldPlay

FloatPlane

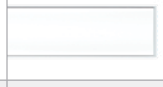
Sona

SilkSpace

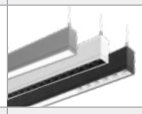


TruGroove recessed

TruGroove suspended



TruGroove recessed micro



TruGroove suspended micro

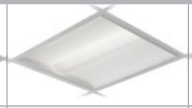
EyeLine

ModiFly

Day-Brite luminaires

FormFlex

ClearAppeal



SofTrace

DuaLED

EvoGrid

FluxGrid gen 1 & 2

FluxPanel

FluxStream strip & wrap

FluxStream industrial

LBX suspended

FBY high bay

FBX high bay

FBZ high bay

HBY high bay

Lightolier luminaires

Calculite gen 3

LyteProfile

EasyLyte

Commericial retrofit downlight

Gardco luminaires

SoftView

EcoForm

Philips retrofit kits and lamps

EvoKit Click

EvoKit gen 5

MasterConnect TLED

Indoor 0–10V and phase dimming luminaires

Track lighting

Decorative lighting

* Can be deployed with smart lamps in Foundation and Enterprise setups.

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.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16
Wireless design considerations & recommendations	
Distance between wireless devices in the same application space	Less than 30 ft
Distance between an indoor wireless device and outdoor wireless device	Less than 10 ft
Distance from the gateway to an outdoor wireless device	Less than 20 ft
Best practice is to have at least 2 wireless devices within the recommended distance of the gateway.	

Questions about Interact? Contact us directly.

https://www.interact-lighting.com/en-us/get-in-touch or
General inquiries: 1-833-468-7776, Field support: 1-800-555-0050 (Monday – Friday, 8am – 8pm EST)

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