

# interact

## Interact Pro for school applications

This is all you need for your smart lighting system



Luminaires



Sensor



Wireless Switch



Interact Pro app

Lighting is a simple, yet important way to improve classroom comfort and help stimulate and engage pupils. The Interact Pro system was developed to deliver high quality, instant-on light that saves energy, is easy to install and future proof. Light can be tailored to suit learning tasks, time of day or school schedules – for a great and energy-saving learning environment.

- Ideal for refurbishment and new schools – no additional (DALI-) control wires needed
- Fast Installation – after mounting the luminaires, lamps and controls, the system is ready to use in a few clicks
- High flexibility – customization of the system is possible at any time
- Perfect for every project size – no maximum number of light points
- No additional cost – system configuration via free Interact Pro App
- No local customer IT-Network integration needed – commissioning via smartphone app and Bluetooth
- Upgrade possible at any moment by simply adding a gateway to access additional benefits such as connection of multiple user devices and analytics dashboard.

### Lighting design insights

#### Glare

Use low-glare luminaires for comfort and to improve the experience of both students and teachers.

#### Controls

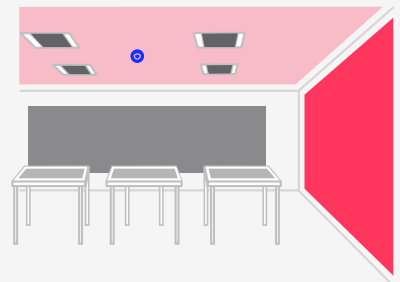
Locate the sensors directly above the desks to optimize presence detection. Lights activate instantly when sensors detect movement.

#### Brightness

Keep the brightness at desks in mind. EN12464-1 requires 500 lux for classrooms.

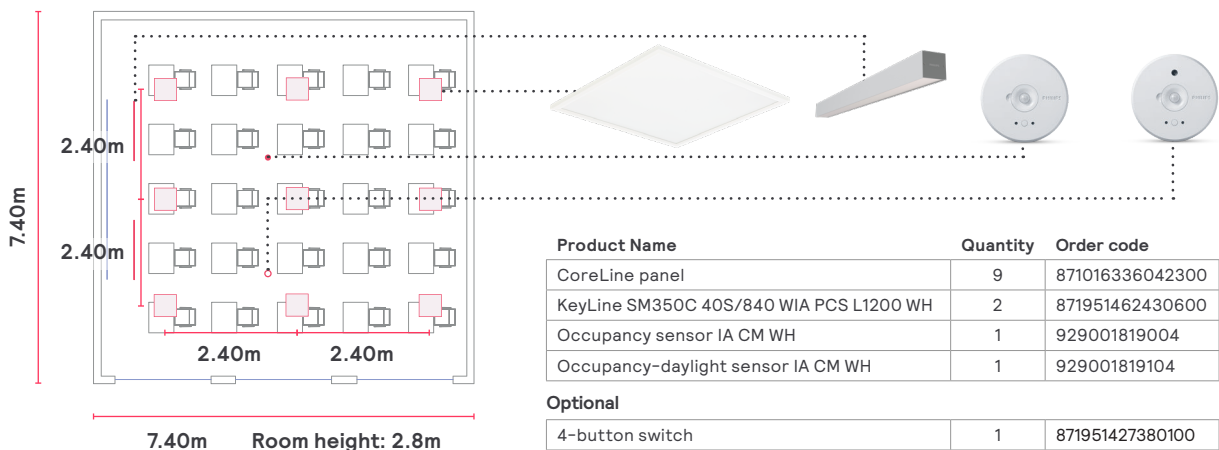
#### Board

For better contrast smartboards and projectors need a more dim setting. To simultaneously provide the classroom with sufficient lighting add dedicated luminaires and controls.

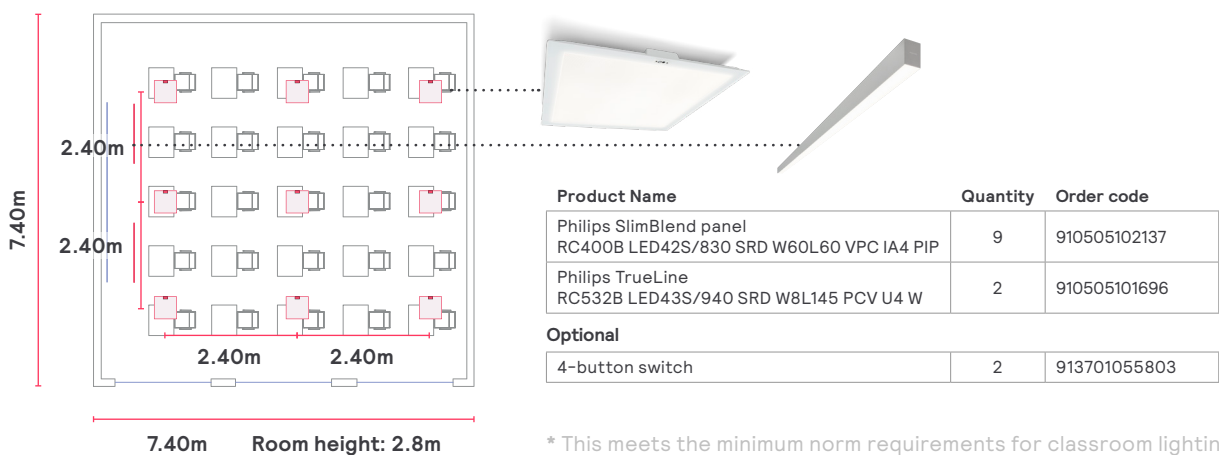


# Installation guidance

## Classroom floorplan with a typical luminaire arrangement. \*



## Classroom floorplan with a typical luminaire arrangement (sensor integrated in luminaire) \*



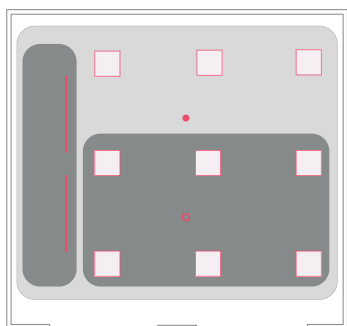
\* This meets the minimum norm requirements for classroom lighting.

## Define groups and zones

When all luminaires and controls are installed and connected to the Interact Pro app you can assign them to a group. A group consists of zones and/or stand-alone lights. A zone is a set of luminaires that can be used to control it as a single entity and will have the same dim level.

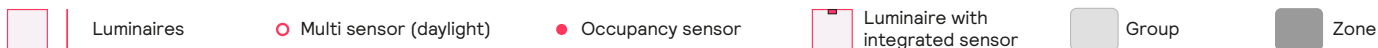
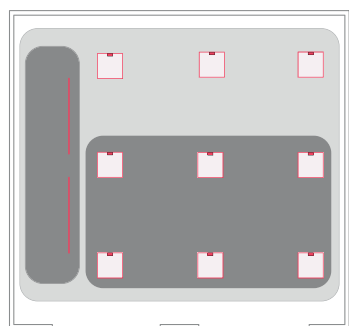
### Configuration with stand-alone sensors

All luminaires are assigned to one group. The zones can behave separately triggered by the sensors. One zone is connected to a multi sensor (these lights react both on movements and on the amount of daylight). The blackboard is in a different zone so you can create specific scenes..



### Configuration with sensor integrated in luminaire

All luminaires are assigned to one group, each luminaire can behave separately triggered by the integrated occupancy sensor (SNS210). The lights can also be linked to each other to create different light settings. As you can see in the example below, within the group two zones are defined: one is controlled by the daylight functionality (by the amount of light) and the other is for the blackboard. In this way you can create different scenes in each zone in an easy way.

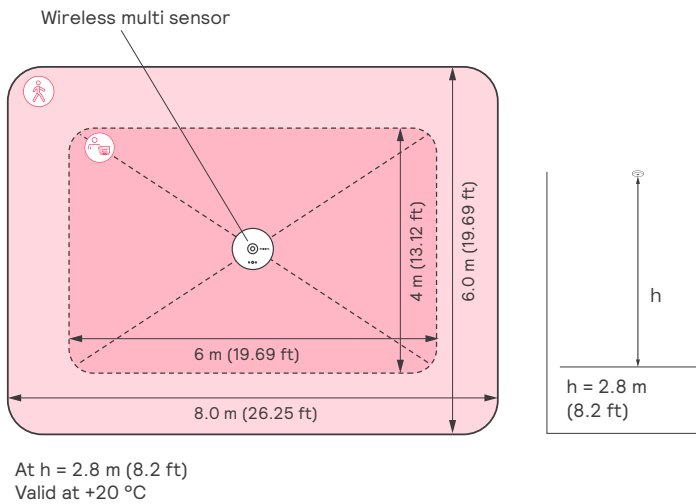


# Sensor installation guidance

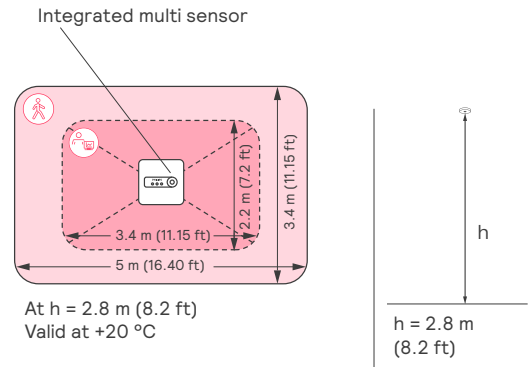
Easily enhance your smart lighting system with the stand-alone wireless multi sensor or integrated multi sensor, which are both Interact Ready. They trigger automatic responses to turn on, off or dim the lights according to occupancy detection and daylight variation. The result? Great energy saving and more control flexibility.

## Motion detection area

### With stand-alone wireless multi sensor



### With multi sensor integrated in luminaire



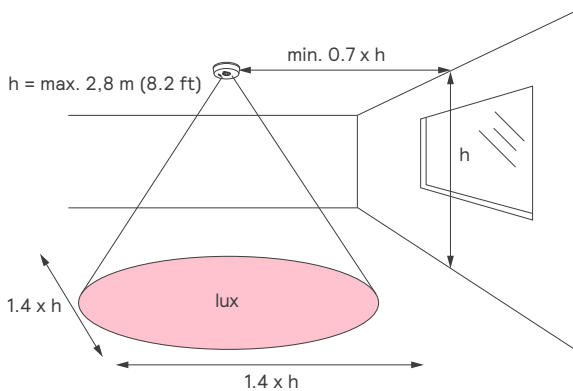
Minor movement



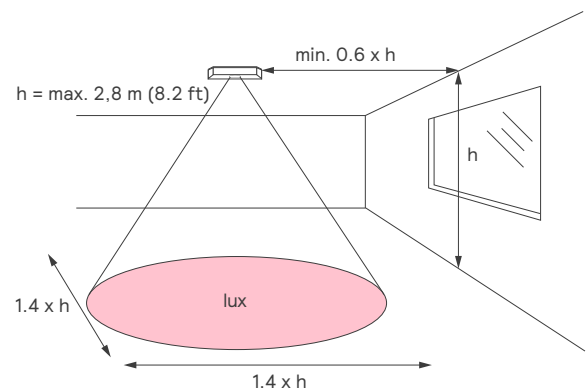
Major movement

## Daylight detection area

### With stand-alone wireless multi sensor



### With multi sensor integrated in luminaire



# Product overview

Below overview is a selection of Interact Pro products that are suitable for schools. All lighting complies with the new European norm EN12464-2021 in the given luminaire arrangement.






interact  
ready.

lighting available from

**PHILIPS**

## Downlights

## Light-line

				
Philips CoreLine	Philips GreenSpace	Philips LuxSpace	Philips KeyLine	Philips TrueLine *

## Panels

## Recessed, surface-mounted and suspended

## Wall-mount

					
Philips CoreLine	Philips SlimBlend *	Philips CoreLine	Philips FlexBlend *	Philips PowerBalance *	Philips CoreLine

## Lamps

## Controls

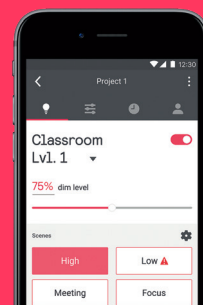
				
Philips MasterConnect LEDtube	Philips MasterConnect LEDspot	Philips wireless sensors (CM IP42 WH, IA WH 10/1, LCN3110/05, LCN3120/05)	Philips R Philips wireless switches (UID8470 & 8480)	Philips RF-DALI connector kit

\* Products with integrated sensor

For a complete product overview go to:  
[Philips.com/interact-ready](https://philips.com/interact-ready)

## 3 steps for the perfect lighting set up

1. Install your Interact Ready lighting and controls.
2. Download the Interact Pro app for free
3. Connect the lighting and controls to the Interact Pro app and set up your lighting groups and zones (or scenes).



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