

EasyDim

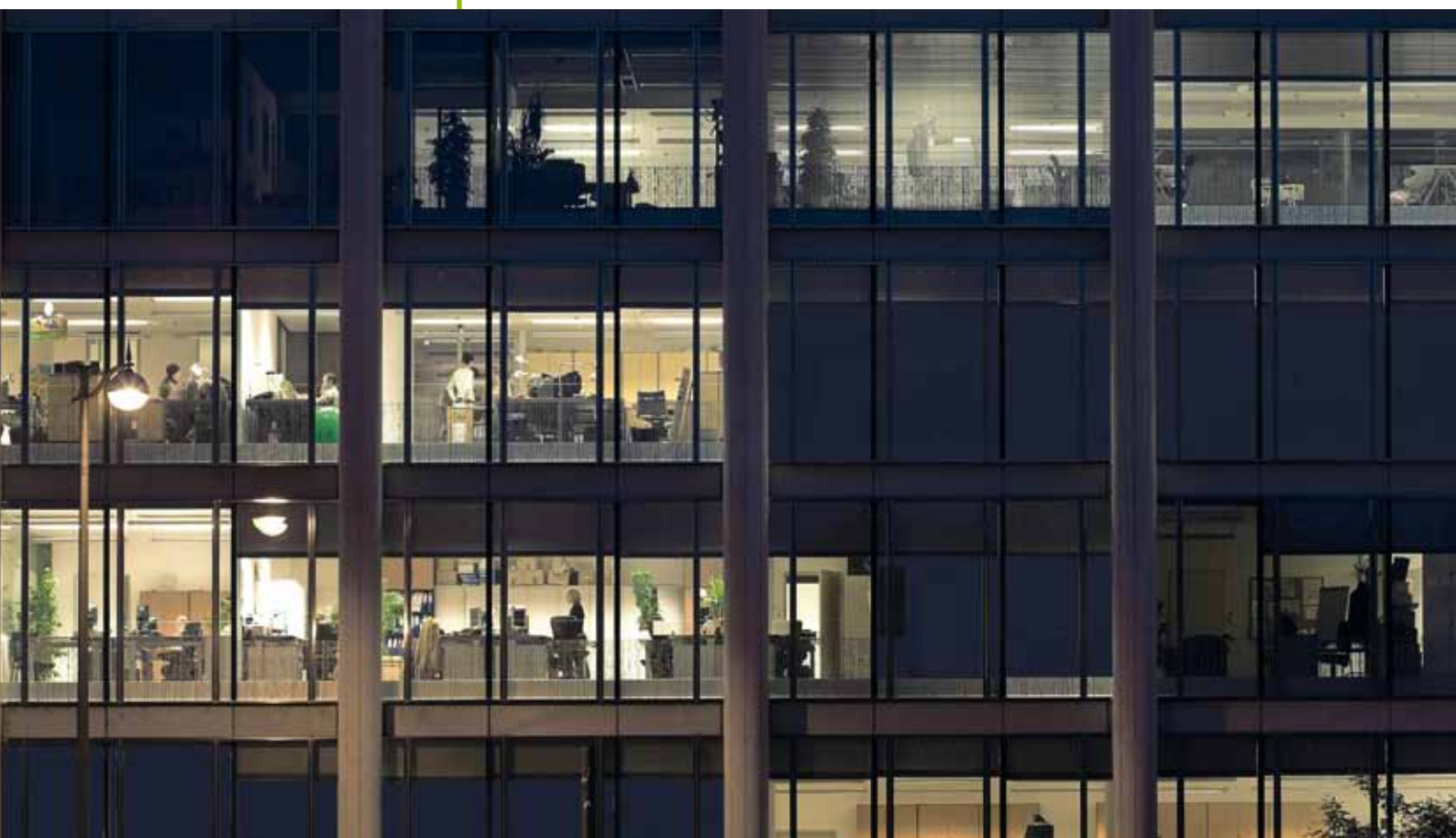
Versatile local light control



EasyDim | Versatile local light control

Lighting accounts for approximately 20% of total energy consumption. Depending on the type of building and activity, this share may be as high as 35% or more, which implies that a lot of energy can be saved.

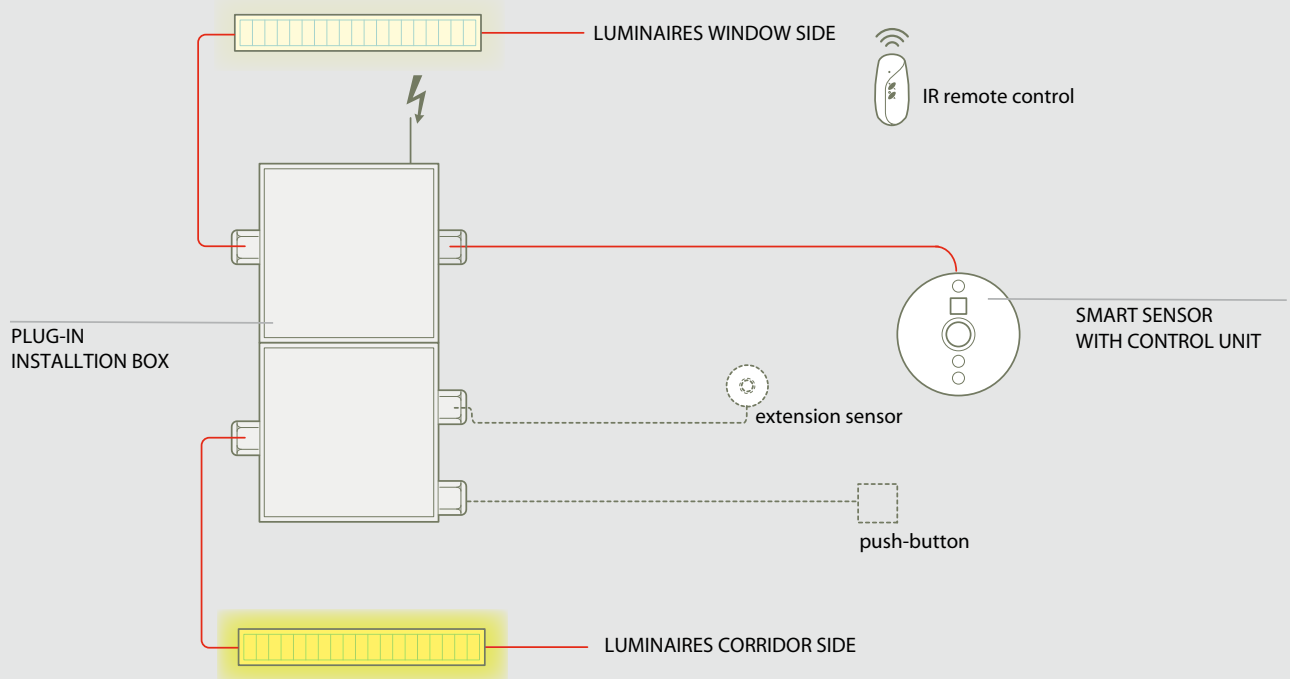
There are different ways to tackle the problem. By using light sparingly – the right light level at the right time, no more no less. Or by making optimal use of the existing light. And of course by making sure that the lights are never left on unnecessarily. EasyDim can help you in all of these cases. In a simple, flexible and cost-efficient way.



EasyDim helps you to save up to 55% energy with motion detection and daylight dependent control. In addition, the lighting can be tailored to your needs via a manual control, using push-buttons, or an infrared remote control.

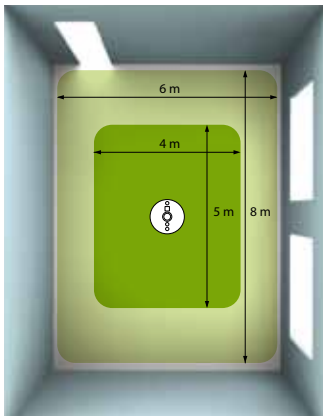
EasyDim is a local light control system, which enables you to save energy in a no-nonsense way. EasyDim automatically adjusts the lighting level on the basis of incoming daylight and human activity.

EasyDim consists of two components: a smart sensor with an integrated control unit that captures and processes signals from the environment, and a plug-in installation box connected to your DALI luminaires.



EasyDim is also highly flexible, allowing for tailored solutions. You can count on ETAP's expertise to adapt EasyDim to more complex environments such as office landscapes, conference rooms, etc.

EasyDim | Versatile local light control



Sensor range up to 20 m² for smaller movements and 48 m² for larger movements



Extendible, rotating shield in front of the motion detector



General features

- Consists of smart sensor with integrated control unit, plug-in installation box with Wieland plugs (for recessed mounting only) and connection cables.
- Works with DALI luminaires.
- The sensor has three functionalities: daylight dependent control, motion detection and infrared reception for remote control.
- Up to 15 luminaires can be connected per sensor.
- Sensor range: up to 20 m² for smaller movements (e.g., office) and 48 m² for larger movements (e.g., classrooms).
- The sensor is fitted with an extendible, rotating shield in front of the motion detector, which prevents the lights from being turned on unnecessarily.
- The sensor is fitted with an LED indicator that provides information at all times as to how much you are saving, enabling you to adjust where necessary.
- EasyDim can be expanded with 2 further motion detectors to increase the detection range.
- EasyDim is preconfigured by ETAP depending on the application. Offices, classrooms, corridors, sanitary facilities, etc., each have their own parameters.
- In standard situations, you can easily install and configure EasyDim yourself. If you wish, ETAP can carry out on-site commissioning.

EasyDim is available in two standard versions:



EasyDim Pure

- EasyDim Pure is suitable for simple, standalone applications, such as an individual office or washroom.
- With double circuits the luminaires can be controlled separately on the window and corridor side, allowing you to maximise savings achieved with daylight control.



EasyDim Advanced

- EasyDim Advanced is suitable for applications in which motion detectors for several EasyDims are linked to each other, for example, to prevent the light from being switched off whenever there is still activity in another area.
- Up to 22 EasyDims can be connected to one system.



EasyDim, tailored to your needs

EasyDim is highly flexible, allowing for custom solutions in addition to the standard EasyDim Pure and Advanced configurations. We are able, for example, to configure EasyDim to control up to four groups of luminaires separately, or, EasyDim is supplied with a longer set of connecting cables. Furthermore, we can perfectly tailor each aspect of the light control to your needs.

That is why EasyDim is suitable for spaces where you would like more sophisticated light control, such as office landscapes and conference rooms. Your ETAP-advisor will be happy to assist you in outlining the best solution for you. Should you wish, ETAP will install the more complex solutions on site and will make them ready for use.

EasyDim | Applications

Individual offices



Configuration

- EasyDim Pure in standard configuration with parameter set 1 ("Individual office")

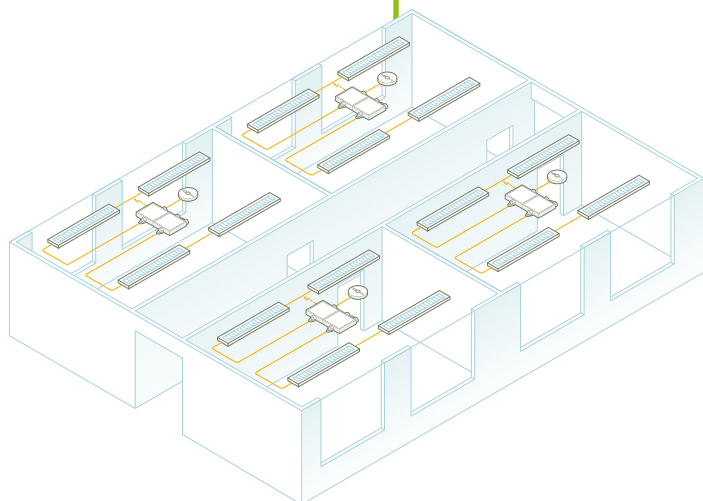
How will you save?

No one around? Lights off. Meeting, discussion, lunch, appointment away from the office, etc. Employees in individual offices are routinely away from their workstation. With motion detection the light will switch off when they leave their office.

Extra advantages

Lighting adapted to any situation. Staff can adjust the lighting level in their office using the remote control, to suit their needs.

Optimal use of daylight. Does the office have windows? With the separate EasyDim Pure circuits you can maximise use of incoming light on the window side.



Corridors



Configuration

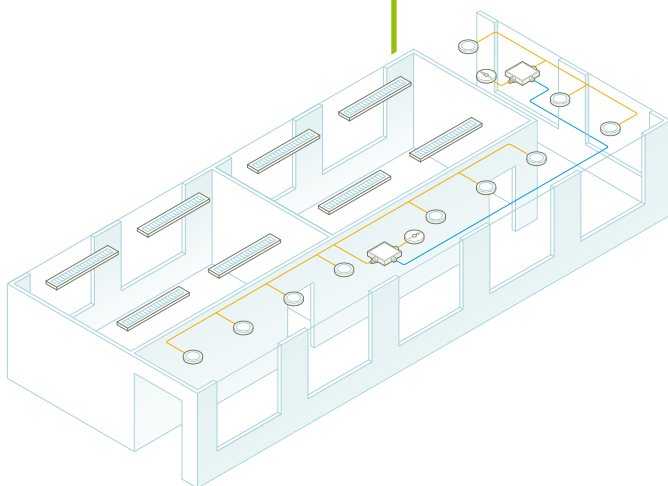
- EasyDim Advanced in standard configuration with parameter set 6 ("Corridor")
- Several connected EasyDims

How will you save?

Save, but keep safe. Luminaires in corridors often remain unnecessarily lit. With movement detection, they are lit only when actually needed. Because corridors are generally essential for safety in buildings, you can also choose to operate the lighting in dimmed mode when no one is present.

Extra advantages

Avoids dark corners. By linking several EasyDims, you will avoid that staff or visitors walk into dark areas in longer corridors. In addition, the luminaires can be dimmed in the corridors, for example as long as people are present in other areas within the building. This will enable you to increase their sense of security, whilst saving energy.



EasyDim | Applications

Office landscapes



Configuration

- EasyDim Advanced with parameter set 9 ("Office landscape")
- Several connected EasyDims

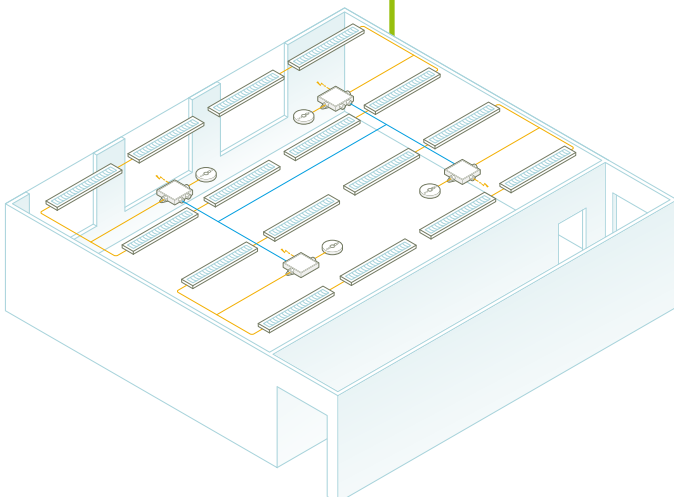
How will you save?

Only leave the light on where necessary. Office landscapes provide a significant savings potential: the entire space is often lighted permanently, whilst a number of workstations are unoccupied. With motion detection you will make savings where possible.

Extra advantages

Avoids dark areas. By working with connected EasyDims, the light will continue to be dimmed in areas without activity. This will enable you to avoid dark areas in your office landscape and will increase the comfort level and sense of security among those who are still present in the building. In addition adjoining areas, such as corridors, can also be connected.

Light where you want it. You can determine the features of your light control system with the IR remote control. Your lighting will be dimmed, switched on and off in accordance with your needs.



Classrooms



Configuration

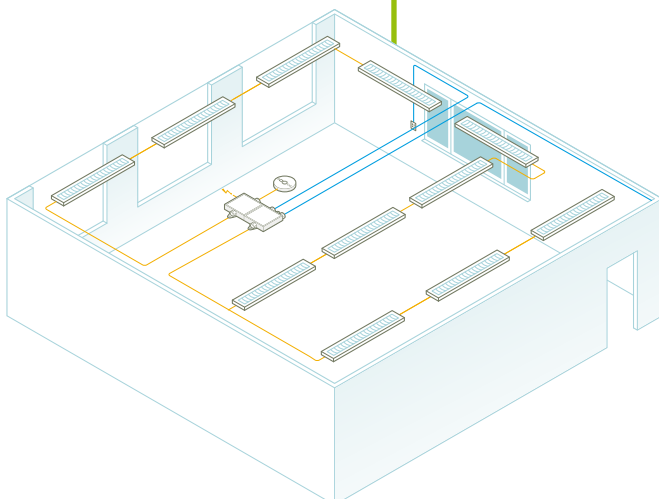
- EasyDim Pure in standard configuration with parameter set 3 ("Classroom")
- If desired, ETAP also carries out on-site commissioning (e.g. for separately adjustable school board lighting)

How will you save?

Optimal use of daylight. Classrooms frequently have large windows, with lots of daylight. Therefore you will be able to save a lot of energy with daylight control. Furthermore, you can adjust the luminaires near the window separately, thus capitalising even more on daylight.

Extra advantages

Separate lighting for blackboards. You can also opt to separately control blackboard lighting, which may prove to be useful for specific class situations. The additional group of luminaires and matching switch will be configured in situ. If you wish we will carry out the installation on site.



EasyDim | Applications

Conferece rooms



Configuration

- EasyDim Pure with parameter set 8 ("Conference room")
- If desired, ETAP also carries out on-site commissioning

How will you save?

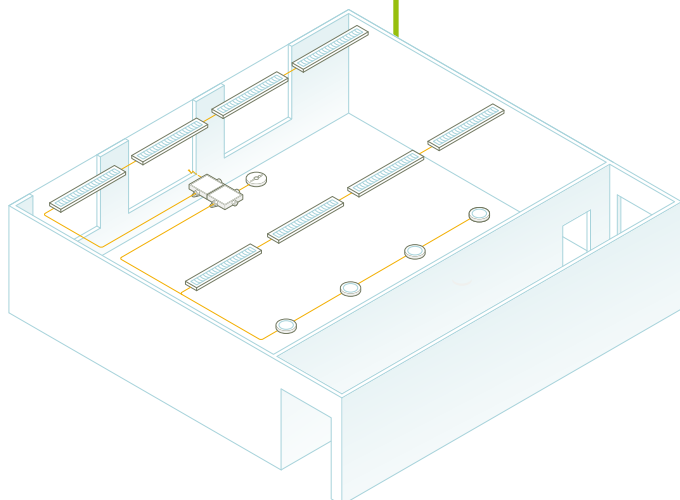
Will the last man out switch off the light?

Conference rooms are often overlooked when it comes to lighting. With motion detection the lights will be switched off when no one is around. With daylight control, you will furthermore make optimal use of daylight. Thanks to the movement dependent control, the lighting automatically switches off after leaving the classroom.

Extra advantages

Lighting for any scenario in a flash.

Meetings, presentations, informal gatherings, etc. Modern conference rooms have become true multifunctional spaces. Every situation requires a specific setting in terms of lighting. With EasyDim Advanced, you can define up to four groups of luminaires per smart sensor. You can then simply select one of the preprogrammed light scenes and dim or switch the groups individually.





Operation:

Adjusting lighting levels or choosing lighting scenarios

1. Infrared remote control
 - An infrared receiver is integrated into the EasyDim sensor as standard.
 - The remote control comes in several versions, depending on your needs.
2. Remote control with EnOcean technology
 - We can fit the EasyDim sensor with an EnOcean receiver as an option.
 - With the EnOcean control switches, you do not need wiring or batteries.
 - Upon pressing the buttons, the generated energy is converted into a signal suitable for processing by your lighting system.
3. Pushbutton unit
 - Choose your wall switches and connect them to the pushbutton unit.
 - Up to 2 pushbutton units for wall switches (1 to 4 commands) can be connected per EasyDim
 - The pushbutton unit is mounted in the wall behind the switches
 - The pushbutton unit is connected to the EasyDim installation box.



4. **Extension sensors**
 - Increased detection range.
 - Up to 2 extra sensors per EasyDim, to be connected to the installation box.
5. **Housing for surface mounting**
 - Housing for the surface mounting of the sensor and any expansion sensors.
 - For the surface mounting version, the sensor is supplied without plug-in installation box.
6. **Remote control for installers**
 - The remote control will help you with the EasyDim's start-up, calibrating the lighting level and setting the parameters.



ESM in a nutshell

- Local light control
- Save up to 55% energy with daylight dependent control and motion detection
- Ease of installation with plug-in installation for recessed mounting
- Easy installation - no commissioning required in standard situations
- System settings are easy to adjust with specific IR remote control

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