

Lighting Sensors

Helvar



freedom in lighting

WHY USE LUMINAIRE INTEGRATED SENSORS

By using sensors you not only create optimal lighting when and where needed but also increase user comfort and safety. By optimising lighting significant energy savings are also achieved. The basic functions behind lighting optimisation with use of sensors are;

Constant light functionality and Presence / Absence Detection. Combination of both functions with use of our LED drivers or electronic ballasts will give you up to 80 % energy savings.

CONSTANT LIGHT



By measuring light levels, luminaires can be dimmed to reduce energy usage when daylight is present, giving a constant level of illumination. This is often referred to as Daylight Harvesting. Helvar's dimming sensors provides this method of control.

BRIGHT OUT



Helvar's switching sensors only turn on when light level is insufficient and motion has been detected. Energy savings are possible, without the need for dimming.

MOTION DETECTION



Motion detection maximises energy efficiency by ensuring that the lighting is on only when required. This can be used in most areas, and is particularly useful in unmanned areas such as plant rooms and storerooms, where they could be unoccupied for long time periods. Other areas such as corridors, lift lobbies and stairwells, where a traditional switch would normally be on throughout the day regardless of the area's occupancy, can also benefit.



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DIGIDIM 312



KEY FEATURES

- Ceiling mount
- PIR, Constant Light and Infrared control
- Switch-Control input



IDIM SENSE



KEY FEATURES

- PIR, Constant Light and Infrared control
- Easy to select application modesClip-on fascia in different colours
- Clip-on PIR Restrictor
- Mode selector with LED feedback



MINISENSOR3



KEY FEATURES

- PIR, Constant Light and Infrared control
- 2 channel control
- Powered by an iDim Solo
- Compatible only with Helvar EL-iDim ballasts and drivers



μDIM SENSORS



KEY FEATURES

- Microwave & PIR versions
- Small sensor head
- Slimline power supply
- Relay output for 230 V switching (500 W max)
- Programmable using optional IR handset
- Time delay function



MIM03












KEY FEATURES

- Very small profile
- Easy installation – simply clips to T5 or T8 tube
- Supply voltage derived from the ballast
- Compatible with all Helvar 1-10V ballasts and drivers



SENSOR SELECTION GUIDE

Helvar offer a range of sensors, for luminaire mounting or standalone use. The sensors provide additional energy savings to Helvar electronic controllable ballasts and LED drivers, as well as automatic lighting control.

	Mounting				Features							
	Chassis	Lamp (T5/T8)	Internal	Ceiling Mount	Motion Detector	Constant Light	Bright Out	IR Receiver	Prog' via IR	Dimming	Relay Output (switched)	
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note 1 programming with iDim Studio software

note 2 ideal for IP rated luminaires