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www.magnetgroup.co.za

MAGNET HIGH BAY

REPLACE HID'S WITH FLUORESCENT AND SAVE ENERGY



Magnet's new **High-Bay** fluorescent luminaire is designed to replace conventional HID lighting in industrial applications, as it combines the Reflex linear fluorescent lamps with the mounting flexibility of a high bay luminaire.

Magnet's new **High-Bay** is an environmentally friendly lighting solution for today's energy saving demands.

Magnet's new **High-Bay** with fluorescent technology offers many advantages compared to HID luminaries

- Provide crisp white light
- Instant strike and re-strike
- Consumes less energy
- Easy to control by light levels or motion sensors
- Operate cooler than HID luminaries
- Designed for quick installations
- High output electronic systems
- High lumen efficacy
- Fast warm up time
- Dimmable
- Can be adapted with emergency back up

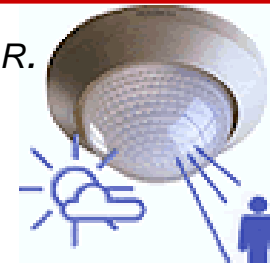
Magnet's new **High-Bay** 5 x 58w linear fluorescent lamps required only 290 watts as compared to the metal halide which consumes 460 watts a dramatic 40% savings in energy usage.

Magnet's new **High-Bay** includes features that make it easier to install and maintain. The luminaire accepts multiple system methods

- 20 mm threaded rod
- Stainless steel wire connected to eyebolts
- Available in 4 x 58W; 5 x 58W; 4 x 36W; 5 x 36W fluorescent lamp and respective electronic ballasts

OCCUPANCY SENSORS

CONTROL YOUR LIGHTING WITH AN OCCUPANCY SENSOR.
WHEN NO MOVEMENT IS DETECTED IN THE ROOM
THE SENSOR SWITCHES OFF THE LIGHTING.



WHAT IS AN OCCUPANCY SENSOR?

It is the most cost effective building management system to be found. The installation is simple and can be retrofitted to an existing system with little or no disruption to an end user. The Occupancy Sensors are installed in an environment to control the lighting and can be used for the control of air conditioning. The sensor ensures the load is only activated when the area is occupied. The sensors can be installed inside or outside undercover i.e. Offices and Parking lots

WHERE SHOULD I USE AN OCCUPANCY SENSOR?

- Restrooms
- Stairwells
- Closet/ Changing Room
- Concrete/ Drywall Ceilings
- Classrooms (Multiple Sensors)
- Storage Rooms with Shelving
- Corridors
- Private Offices
- T-Shaped intersections
- Office/ Conference Rooms
- Pick Aisles in Distri. Centres
- Carports

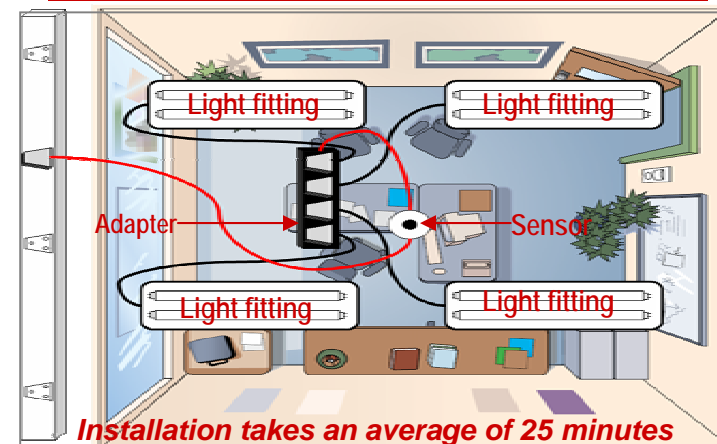
There are three mounting forms:

- Ceiling Mounted
- Wall Mounted
- Wall Switch Mounted



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HOW IS THE SENSOR INSTALLED?



Installation takes an average of 25 minutes

1. Light fittings plug into the adapter.
2. The sensor plugs back into the same power in the ceiling.
3. Plug & Play

BENEFITS OF USING AN OCCUPANCY SENSOR:

- Lighting retrofit eliminates the fire hazard of old magnetic ballasts
- Increased property value due to energy efficient buildings.
- More attractive rental for outside companies due to energy efficient office space.
- Eco-friendly for environmentally conscious companies.
- Increased savings in energy costs with each Eskom price increase.
- Sustainable energy savings for the life of the building.
- Lower peak demand - some lights will be off at all times as everyone is not there 100% of the time.
- Lower consumption - less heat generated by the lights resulting in less work for the air-cons.
- Longer lamp life & fewer lamp changes - a threefold increase in the time between lamp changes.
- Reduced maintenance costs - longer time between lamp changes.
- Increased security – if there is no motion there are no lights. Cameras only record motion.

OCCUPANCY SENSORS

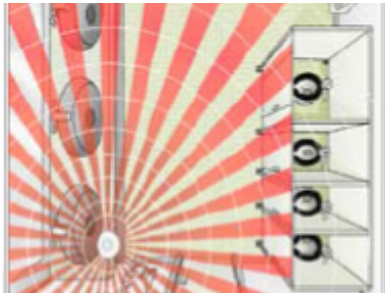
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EXTENDED & STANDARD RANGE SENSOR CEILING MOUNT

CMR-PDT Series

Features:

- Push-Button Programmable
- Green LED Activity Indicator
- No minimum Load Requirements
- 100 hr. Lamp Burn-in Timer Mode
- Time Delay: 30 sec. to 20 minutes
- Self-contained Relay, no power pack needed
- Patented Dual Tech with PIR / Microphonics Detection



EXAMPLE: RESTROOM

- Senses in partitioned spaces
- Controls lighting and fan
- Voice reactivation for added safety

EXTENDED AND STANDARD RANGE SENSOR CEILING MOUNT

CMR-9 Series

Features:

- Green LED Activity Indicator
- No minimum Load Requirements
- 100 hr. Lamp Burn-in Timer Mode
- Time Delay: 30 sec to 20 minutes
- PIR Occupancy Detection
- Self-Contained Relay, no Power Pack needed



EXAMPLE: SMALL OFFICE

- PIR Technology effective in an enclosed unobstructed area
- Best choice for concrete ceiling

LINE VOLTAGE PASSIVE DUAL TECHNOLOGY WALL SWITCH DECORATOR SENSOR

WSD-PDT Series

Features:

- Green LED Activity Indicator
- No minimum Load
- Intrinsically Grounded
- Three-Way & Multi-Level Switching
- Auto Sensitivity Adjustment (AGC)
- Patented Dual Technology with PIR/ Microphonics
- Patented Bi-Polar Wiring: Interchangeable hot & load wires
- Time Delay: 30sec - 20min selectable in 2.5min increments
- Self contained Relay, no Power Pack needed



LINE VOLTAGE PASSIVE INFRARED WALL SWITCH DECORATOR SENSOR

WSD Series

Features:

- Green LED Activity Indicator
- No minimum Load
- Intrinsically Grounded *Programmable Edition!*
- Three-Way & Multi-Level Switching
- Small motion detection up to 20ft
- Patented Bi-Polar Wiring: Interchangeable hot & load wires
- PIR occupancy detection
- Time Delay: 30sec - 20min selectable in 2.5min increments
- Self contained Relay, no Power Pack needed



THE COMMANDING CEILING SENSOR

IS 360 D TRIO

Features:

- 3 highly sensitive infrared detectors
- Uninterrupted all round detection of areas as large as 350m²
- Beneath ceilings, porches, carports and balconies.

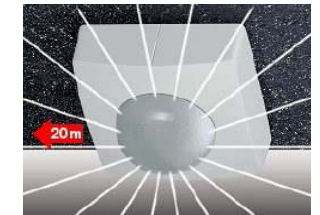


THE COMMANDING CEILING SENSOR

IS 3360

Features:

- Ceiling up to 4m in height
- Highly sensitive
- Basic reach of 20m
- 360° coverage angle



FULL CATALOGUES
 AVAILABLE ON REQUEST