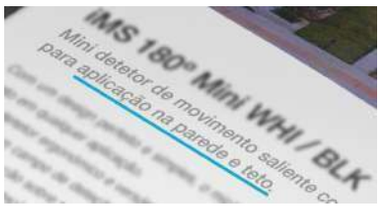
BY iMSENS®

General Catalogue

Presence Detection
Motion Detection
Lighting with Detection

'25

Automation Comfort for Lighting and Security



1 Place of Application

Ceiling | Wall | Corner | Surface | Recessed

2 Functionality

Motion detector | Presence detector | Twilight photocell | Lighting with detection, etc...

3 Detection angle

360º | 270º | 200º | 180º | 120º | etc...

4 QR codes

Direct access to the corresponding page on the website (Technical Data Sheets, Instruction Manuals, etc.)

5 EAN codes

Various uses, such as checking stocks via a picking system, if you have one in your company.

Founded in 2005, Pronodis - Soluções Tecnológicas, Lda is a European company with extensive knowledge and proven experience of the market from energy efficiency to lighting automation.

We are governed by our motto:

We drive our own destiny!
Towards success! Ours and yours!

After several years of success, the obvious demands of the market led us to launch a new project: the birth of our own BYiMSENS® brand (iMSENS® and iMTOOLS®) in April 2017.

iMSENS® is our sensitive knowledge of the combined with our sensor know-how.

BYiMSENS®, comfort and safety in lighting automation.

We become the ideal companion for the projects, plans and ambitions of our customers and partners because we listen to what the market wants and turn it into relevant products, necessary solutions and constant technical support.

With vision, an open mind, receptiveness and openness in communication, we make a product that meets the ambitions and needs of the client.

We don't just do what we want... we do what the market needs!

Quality is central to BYiMSENS® and is reflected in the design, technology and solution offered by our products. We have our own design/moulds and product development department, taking them to meet the needs of the market.

We continue to grow together with our distributors and customers, year after year, and this makes us more and more the brand to ask for as a long-term partner that will satisfy all user channels, from the start of the project, through to the installer and ending with total satisfaction for the end consumer.

Aware of society and the environment around us, where we work and live, we are cautious and always look for sustainable solutions.

Our portfolio includes a wide range of material related to lighting automation and all the tools necessary for its proper application and profitability.

What we emphasize in our products, in addition to quality, is flexibility, sustainability, a wide range where you can always find the ideal product for the function required and with added value in terms of profitability.

Visit our website www.byimsens.com and get to know little more!

BY iMSENS®

Automation Comfort for Lighting and Security

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www.byimsens.com

Pictogram legend

Max. wattage for incandescent lamps

Max. wattage for energy-saving and LED lamps

Detection angle

Motion detection range - wall installation

Motion detection range - ceiling installation

Detection range Movement in corridor - installation in corridor

Presence Detection Range - ceiling installation

Effective Presence Detection Range - Ceiling installation

Time Regulation

Twilight regulation

Luminous flux - Lumens

Color temperature – Kelvin

Infrared detection

High Frequency Detection

Twilight photocell

Acoustic Detection

Proximity sensor

Type of protection

Impact protection – IK

Remote Control Included

BYiMSENS® application

Insulation Class I

Insulation Class II

Insulation Class III

Acrylic or Polymethyl-methacrylate

Polycarbonate

ABS

Device with DALI Interface

Device with KNX Interface
Device

Lighting Color Definition

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NIKO Catalogue 123

This catalog has been drawn up taking into account the technical characteristics that exist at the moment, which may be changed without prior notice. For further information, please consult the online Technical Data Sheets. Unless there is a typographical error.

Motion Detectors

BY iMSENS®

01.

PIR Motion Detectors

iMS 180° Mini WHI - 818409
iMS 180° Mini BLK - 072396
iMS 360° Emb Plan WHI - 072174 V2
iMS 360° Mini Emb Plan WHI - 072389
iMS Multi 360° Micro Emb WHI - 072525
iMS 180° Emb WHI - 072419
iMS 200° AP/UP IP65 WHI - 072655 C
iMS 360° Micro WHI - 072143
iMS 360°-1 WHI - 072624

iMS Multi 360° WHI - 072433
iMS M4-3 360° WHI - 818454
iMS M4-Corridor WHI - 072334 iC
iMS M4-2 200°/360° WHI - 072631 C
iMS Multi 270/360 WHI - 072426 V2 C
iMS Multi 270/360 BLK - 072457 V2 C
iMS Multi Corridor WHI - 072648
iMS Multi-3 360° WHI - 072471 V2 C

Universal Range

iMS 180º Mini WHI / BLK

Mini protruding motion detector with infrared sensor for wall and ceiling application.

With its perfect, simple design, the mini infrared motion detector is perfect for any application.
It is an ergonomic and versatile detector for ceiling and wall applications.
It provides a wide field of detection, as the lens can be oriented in any direction on its axis.
The detection coverage can be restricted by the masks included.
This detector has a high switching power and can withstand high loads. It offers continuous time adjustment and twilight regulation. Its watertightness allows it to be used indoors and outdoors, and it can be subjected to inclement weather.
It is the ideal item for detecting movement in large, open fields and can be installed at various heights to monitor at various heights to monitor body movements.
It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.
The detector is made of UV-resistant plastic, making it more durable.

PIR

Max 2000W

Max 1000W

180º

12m

3-2000lux

10s-15m

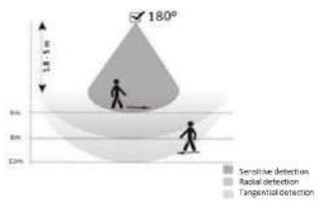
IP 54

BY iMSENS®

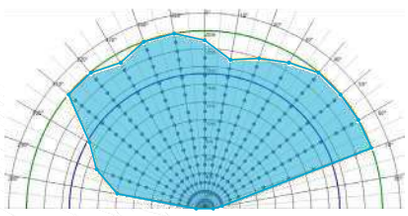
Technical Summary

Product code White	iMS 180° Mini WHI - 818409
Product code Black	iMS 180° Mini BLK - 072396
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	180°
Detection range	Max. 12m
Type of protection	IP54
Twilight regulation	3 – 2000Lux (Adjustable)
Time adjustment	10seg a 15min
Ideal mounting height	2 - 3m ceiling | 1.8 - 5m wall
Application	Wall and ceiling
Measures	Ø77mm x 50mm
Certification	CE
Masks	Includes self-adhesive masks

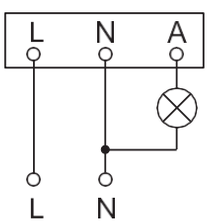
Detection Area

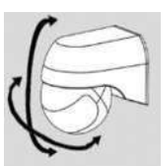


Detection Diagram

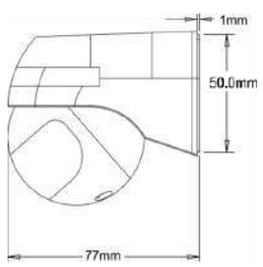


Connection Diagram





Technical Drawing



Technical Summary

White

Black

Product code

5 600630 818409 >

White

5 600244 072396 >

Black

Universal Range

iMS 360° Emb Plan WHI

Motion detector with infrared sensor for recessed ceiling application.

The most discreet, slimline flush-mounted infrared motion detector, which is virtually invisible from the ceiling.

It can be used in deep boxes. It's the ideal size for covering up the holes created by the installation of spotlights or downlights.

Its height of just 48.24mm allows it to be installed in false ceilings where there is little space between the slab and the false ceiling.

The detector is quick to install thanks to its quick connectors, making it an ergonomically easy product to install. Detectors can be installed in parallel.

This detector has a high switching power and can withstand high loads. It allows continuous time adjustment and twilight regulation.

It is ideal for ceiling installation at a considerable height. It is the ideal item for use in monitoring offices, storage rooms, entrance halls, balconies and toilets, as its high degree of protection protects it from the elements.

It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

The detector is made from UV-resistant plastic, allowing for greater durability.

PIR

Max 2000W

Max 1000W

360º

8m

10-2000 lux

10s - 7 min

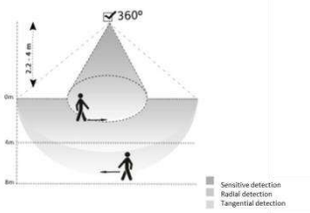
IP 44

BY iMSENS

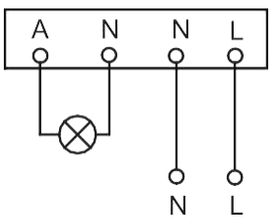
Technical Summary

Product code	iMS 360º Emb Plan WHI - 072174 V2
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection Range	Max. 8m
Type of protection	IP44
Twilight regulation	10 – 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	2.2 – 4m
Application	Ceiling
Measures	Ø61.64mm x 80mm
Certification	CE

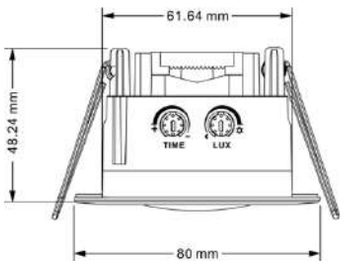
Detection Area



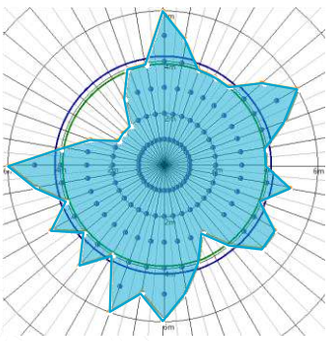
Connection Diagram

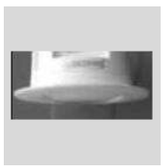


Technical Drawing



Detection Diagram





Technical Summary

Product Code

Universal Range

iMS 360° Mini Emb Plan WHI

Motion detector with infrared sensor for recessed ceiling application.

The smallest and most discreet flush-mounted motion detector with an ultra-slim design. It has an infrared sensor and a 360º field of detection with a range of 6m.

Ideal for almost imperceptible flush mounting in the ceiling, with only the sensor lens visible. Its installation is practical and simple and all you have to do is remove the lens to make the programming adjustments in a simplified way.

Ideal for use in bathrooms, cloakrooms, small storage rooms or stairwells and small entrance halls.

It allows continuous time adjustment and dimming. Allows ideal installation in the ceiling at a considerable height.

Because it is made from UV-resistant plastic, it lasts longer.

The lighting is switched as required and, as a result, energy costs are significantly reduced.

This is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

PIR

Max 800W

Max 400W

360º

6m

10-2000 lux

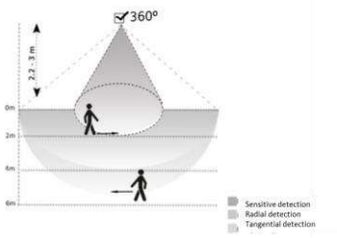
10s-7m

IP 20

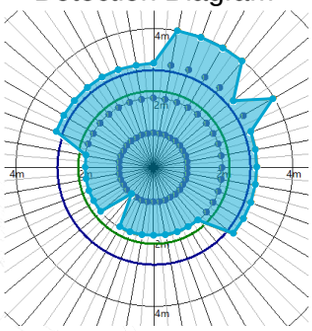
Technical Summary

Product code	iMS 360° Mini Emb Plan WHI - 072389
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	800W (incandescent and fluorescent lamps), 400W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection Range	Max. 6m
Type of protection	IP20
Twilight regulation	10 – 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	2.2 – 3m
Application	Ceiling
Measures	Ø49.8mm x 61mm
Certification	CE

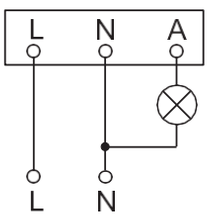
Detection Area



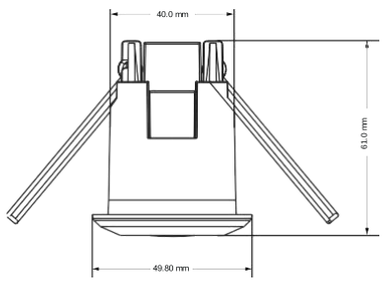
Detection Diagram



Connection Diagram



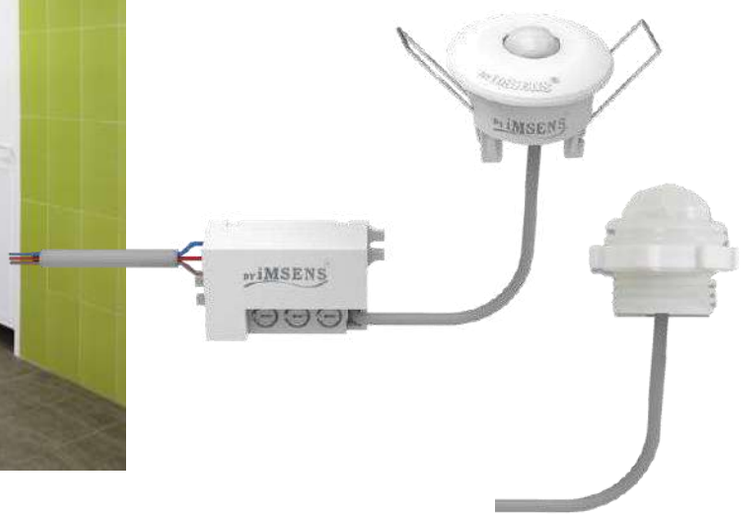
Technical Drawing



Technical Summary

Product code

Multi-PRO Range



iMS Multi 360° Micro Emb WHI

Motion detector with infrared sensor for recessed ceiling and wall application.

It's a mini flush-mounted motion detector with an infrared sensor, with multi-purpose applications, as it allows 2 types of applications: flush-mounted in the ceiling with the springs or directly screwed in with the rings, thus making it the solution for various types of applications. It's a very discreet detector with a high degree of protection, as its lens is insulated, making it a magnificent ally for both outdoor and indoor applications. It has a 360º detection angle, a 120º aperture and an al-range of up to 6m.

It is ideal for monitoring small areas such as changing rooms, toilet cubicles, small entrance halls, etc. Its versatility of application makes it the ideal solution for embedding inside cupboards, closets (among others) where reliable but discreet detection is required.

It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

The detector is made from UV-resistant plastic, allowing it to last longer.

PIR

Max 100W

Max 100W

120º/360º

6m

10-2000 lux

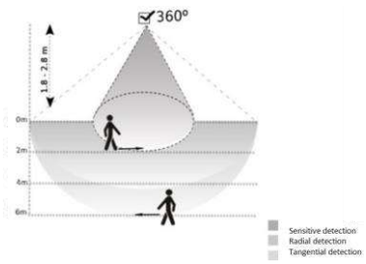
10s-7m

IP 20/65

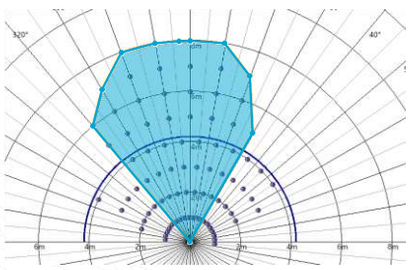
Technical Summary

Product code	iMS Multi 360º Micro Emb WHI - 072525
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	500W (incandescent and fluorescent lamps), 500W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	120º/360°
Detection range	Max. 6m
Type of protection	IP20/IP65
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	1.8 – 2.8m ceiling | 1.5 – 1.8m wall
Application	Ceiling and wall
Measures	Ø39.8mm x 40.2mm | Ø26.8mm x 23.8mm
Certification	CE

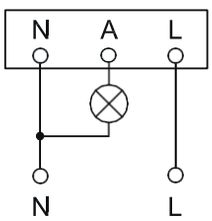
Detection Area



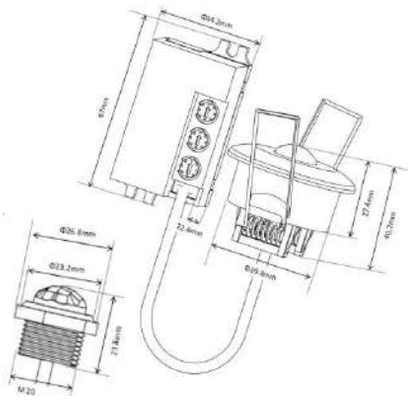
Detection Diagram



Connection Diagram



Technical Drawing



Technical Summary

Product code

Universal Range

iMS 180° Emb WHI

Motion detector with infrared sensor for wall-mounted application.

Built-in indoor motion detector with infrared sensor for easy adaptation of automatic lighting in new and existing buildings. It's an easy-to-install detector, ideal for replacing existing recessed switches in universal junction boxes, with 2 or 3 wires installation, with sensor switches.

It can be retrofitted to existing lighting systems with conventional installation boxes, as well as during the original installation of houses, apartments and commercial premises.

It has an integrated 180° infrared sensor with a range of up to 10m.

It also has an integrated selector button, which enables 3 functions: ON / OFF / PIR - AUTO sensor.

Enables continuous time adjustment and twilight regulation.

Wall-mounted, ideal for use in entrance halls, elevator entrances or stairwells.

Made from UV-resistant plastic for greater durability.

This is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

PIR

Max 500W

Max 200W

180º

10m

10-2000 lux

10s-7m

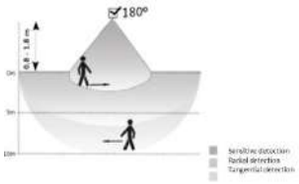
IP 20

BY iMSENS®

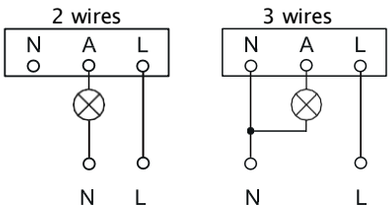
Technical Summary

Product code	iMS 180º Emb WHI - 072419
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	500W (incandescent and fluorescent lamps), 200W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	180º
Detection range	Max. 10m
Type of protection	IP20
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	0.8 - 1.8m
Application	Wall
Measures	80mm x 50.10mm
Certification	CE

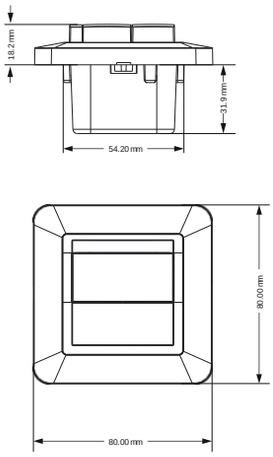
Detection Area



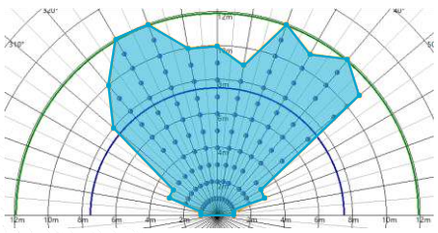
Connection Diagram



Technical Drawing



Detection Diagram



Technical Summary

Product code

5 600244 072419

Multi-PRO Range

iMS 200º AP/UP IP65 WHI

Motion detector with infrared sensor for surface or wall-mounted application.

200º multi-application motion detector for surface or wall-mounted application, with infrared sensor, for easy adaptation of automatic lighting in new and existing buildings, with a high degree of watertightness for outdoors and indoors. It provides security, comfort and energy savings through automatic light switching. It can be installed in existing lighting systems with conventional, recessed or surface-mounted installation boxes. It allows simple replacement of conventional switches with sensor switches.

This detector has a high switching power and can withstand high loads. It allows continuous time adjustment and twilight regulation. It can be applied to an existing watertight box or a deep box that has already been applied, maintaining its high watertightness. It is the ideal item for monitoring corridors, stairwells, bathrooms, toilets, kitchens, cellars, machine rooms, garages, façades, building entrances (among others), as its high degree of protection protects it from the elements.

This detector can be programmed using potentiometers or the RC3 remote control.

It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

The detector is made from UV-resistant plastic, thus allowing it to last longer durability.

PIR

Max 2000W

Max 1000W

200º

10m

10-2000 lux

10s-30m

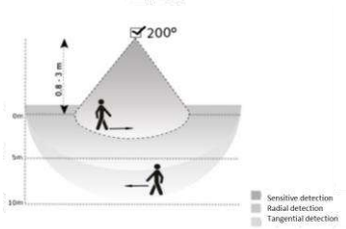
N/ Inc. RC3

IP 65

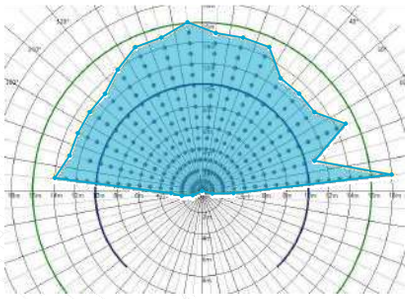
Technical Summary

Product code	iMS 200º AP/UP IP65 WHI - 072655 C
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	200º
Detection range	Max. 10m
Type of protection	IP65
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 30min
Ideal mounting height	0.8 - 3m
Application	Wall
Measures	87mm x 77.5mm
Through-hole diameter	18,5mm
Certification	CE
Command	RC3 remote control - 072709 (sold separately)

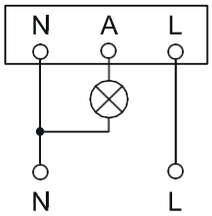
Detection Area



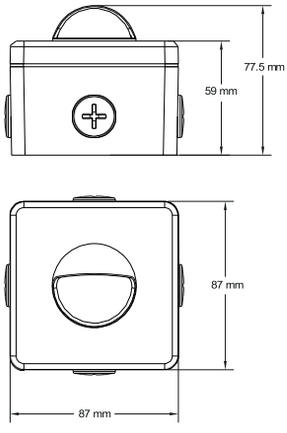
Detection Diagram



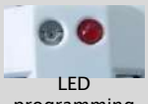
Connection Diagram



Technical Drawing



N/Inc RC3



LED programming indicator

Technical Summary

Product code

Universal Range

iMS 360° Micro WHI

Motion detector with infrared sensor for ceiling or wall mounting.

The micro motion detector with protruding infrared sensor is ideal for any application in universal switch boxes, as well as for covering the holes in spots and downlights, as its fixing hole coincides exactly with the fixing hole in the recessed boxes, making it easy to use.

A small, discreet detector with multi-lenses for precise detection, designed for areas where there is little movement for detection, as it has a lens with a very effective diopter.

It has an integrated 360° infrared sensor with a detection range of up to 3m. It allows continuous time adjustment and twilight regulation.

Ideal in bathrooms, cloakrooms, small storage rooms, small rooms, entrance halls.

This is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

Made from UV-resistant plastic for greater durability.

PIR

Max 100W

Max 100W

360º

3m

10-2000 lux

10s-7m

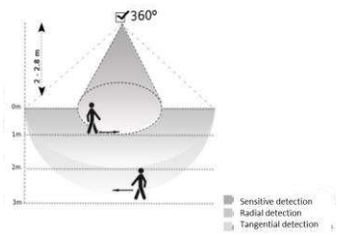
IP 20

BY iMSENS®

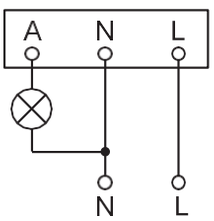
Technical Summary

Product code	iMS 360º Micro WHI - 072143
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	100W (incandescent and fluorescent lamps), 100W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection range	Max. 3m
Type of protection	IP20
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	2 – 2.8m ceiling | 1 – 1.5m wall
Application	Ceiling and wall
Measures	Ø75mm x 27.6mm
Certification	CE

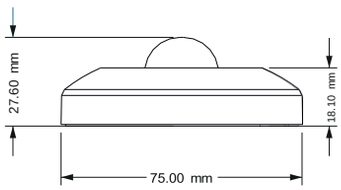
Detection Area



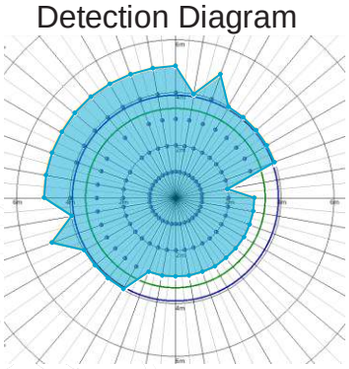
Connection Diagram



Technical Drawing



Detection Diagram



Technical Summary

Product code

Universal Range

iMS 360°-1 WHI

Motion detector with infrared sensor for ceiling mounting.

It's the ceiling-mounted infrared detector that meets all the requirements and is really easy to set up easy to install.

Developed to cover the great need for detection for low or high ceilings.

Discreet and ergonomic, it is easy to install and can be used in a wide variety of applications: garages, corridors, living rooms, entrance halls of great widths and heights.

With its ultra-developed diopter lens, it enables perfect detection performance even at various heights, perfect detection performance.

It enables continuous time adjustment and twilight regulation. It can be installed on the ceiling, making it ideal for both indoor and outdoor installations due to its degree of protection against the elements.

It is a detector manufactured to high quality and performance standards in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

The detector is made from UV-resistant plastic, making it more durable.

PIR

Max 1200W

Max 300W

360°

14m

10-2000 lux

10s-7m

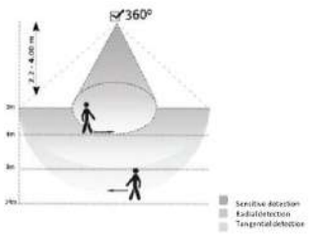
IP 54

BY iMSENS®

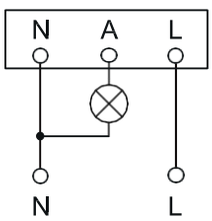
Technical Summary

Product code	iMS 360º-1 WHI - 072624
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	1200W (incandescent and fluorescent lamps), 300W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection range	Max. 14m
Type of protection	IP54
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	2.2 - 4m
Application	Ceiling
Measures	Ø88mm x 49.5mm
Certification	CE

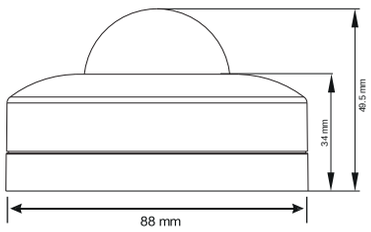
Detection Area



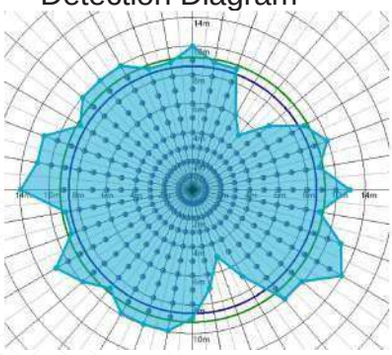
Connection Diagram



Technical Drawing



Detection Diagram



Technical Summary

Product code

Multi-PRO Range

iMS Multi 360° WHI

Motion detector with infrared sensor for recessed or ceiling-mounted application.

It's a motion detector with an infrared sensor, with multi-purpose applications, as it can be mounted overhead or embedded in the ceiling. It has a 360º detection angle and a range of up to 8m. This detector has a high switching power and can withstand high loads.

It is the ideal item for monitoring areas with low-intensity movement, such as offices, receptions, entrance halls, offices, toilets, among others.

It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

Made from UV-resistant plastic for greater durability.

It has been ergonomically designed to be easy to program even after application, as the programming selectors are accessible on the detector: simply remove the cover and the programming selectors will be visible. Its flat lens makes the product more welcoming and its design more appealing.

PIR

Max 2000W

Max 1000W

360°

8m

10-2000 lux

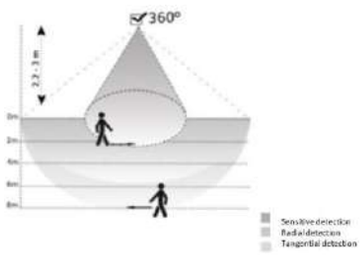
10s-7m

IP 20/54

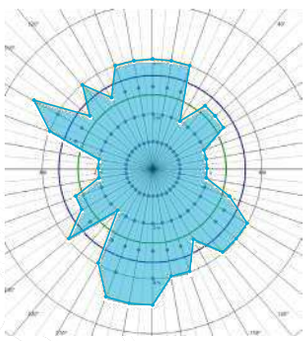
Technical Summary

Product code	iMS Multi 360º WHI - 072433
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection range	Max. 8m
Type of protection	IP20/IP54
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	2.2m - 3m
Application	Ceiling
Measures	Ø73mm x 27.9mm
Certification	CE

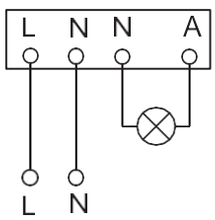
Detection Area



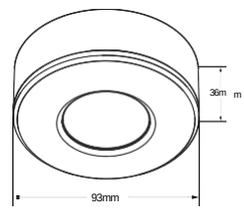
Detection Diagram

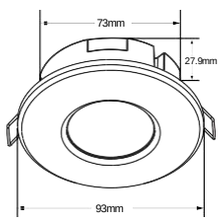


Connection Diagram



Technical Drawing





Technical Summary

Product code

Multi-PRO Range

iMS M4-3 360º WHI

Surface-mounted motion detector with infrared sensor for ceiling and wall application.

It is an ergonomic and versatile surface-mounted infrared detector for ceiling and wall application. It allows you to pre-assemble the standardized power feeder with ease thanks to the large connection space. The wiring works simply and comfortably. The masks provided serve to limit the detection area.

By removing the snap-on cover, the range can be adjusted quickly and precisely.

This detector has a high switching power, thus supporting high loads. Allows continuous time adjustment and twilight regulation.

It can be installed on the ceiling and wall, making it the ideal item for sheds, porches, garages and car parks, warehouses, pavilions and atriums, as its high degree of protection protects it against bad weather.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

PIR

Max 2000W

Max 1000W

360º

20m

10-2000 lux

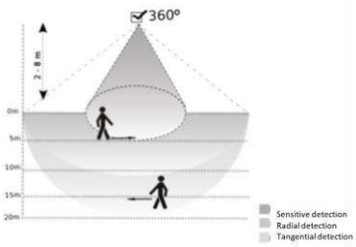
10s-10m

IP 54

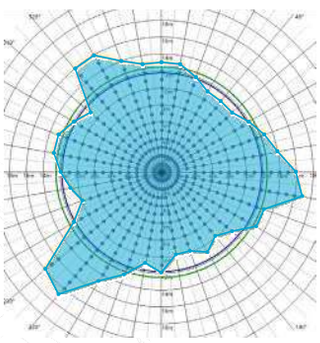
Technical Summary

Product Code	iMS M4-3 360º WHI - 818454
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Max. 20m
Type of protection	IP54
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 10min
Ideal Mounting Height	2 – 8m ceiling | 1.8 – 2.2m wall
Application	Ceiling and wall
Measures	58.3mm x 102.5mm
Certification	CE
Masks	Includes self-adhesive masks

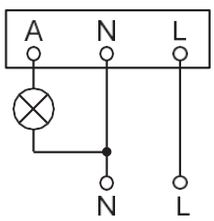
Detection Area



Detection Diagram

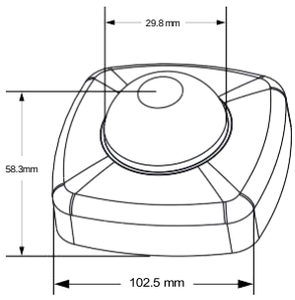


Connection Diagram



Self-adhesive masks

Technical Drawing



Technical Summary

Product Code

Multi-PRO Range

iMS M4-Corridor WHI

Surface-mounted motion detector with infrared sensor for use in corridors.

It is a detector with an ergonomic and versatile infrared sensor, for application on the ceiling and wall, ideal for use in corridors and passageways.

Allows you to pre-assemble the standardized power supply with ease, thanks to the large connection space and also the wiring works simply and comfortably.

The RC2 control is included with the detector and all programming is done through it. This detector has a high switching power, thus supporting high loads.

Allows continuous time adjustment and twilight regulation. The detector offers light control that adapts to the needs of functional spaces. This means that greater energy efficiency is combined with greater comfort.

Allows installation on the ceiling and wall, in places such as: warehouses, general storage, shelters and corridors. Its high degree of protection protects it against bad weather. It can also be installed in places with high ceilings.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its process.

Resistant to UV rays, thus allowing greater.

PIR

Max 2000W

Max 1000W

360°

4x20m

5-200 lux

10s-30m

Inc. RC2

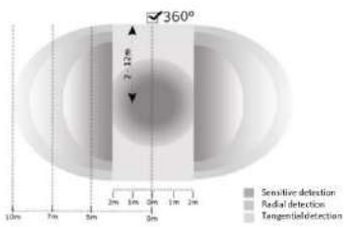
IP 55

BY iMSENS®

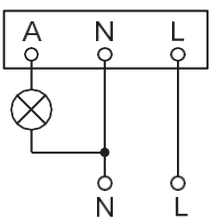
Technical Summary

Product Code	iMS M4-Corridor WHI - 072334 iC
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Max. 4m width, max. 20 length
Type of protection	IP55
Twilight Regulation	5 - 200Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	2 – 12m Ceiling | 1.8 – 3m wall
Application	Ceiling and wall
Measures	58.3mm x 102.5mm
Certification	CE
Command	Includes RC2 remote control - 072099

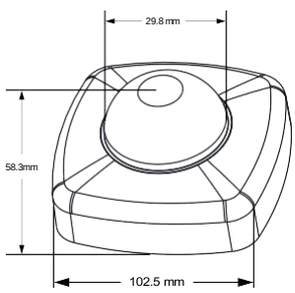
Detection Area



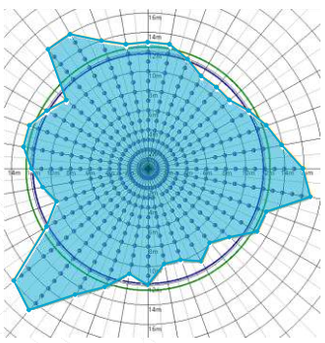
Connection Diagram



Technical Drawing



Detection Diagram



Technical Summary

Product Code

Multi-PRO Range

iMS M4-2 200°/360° WHI

Motion detector with infrared sensor for surface application on walls, corners and edges.

Motion detector with infrared sensor for surface application, with a detection coverage of 200° and 360°, allowing a wide detection range.

Allows application on walls, corners and edges, with the appropriate support included. It can be used both indoors and outdoors thanks to its high level of protection. Simple assembly thanks to the connection base.

This detector has a high switching power, thus supporting high loads. Allows continuous time adjustment and twilight regulation.

It can be installed on walls, corners and edges, making it the ideal item for monitoring external areas, entrances, access roads, parking areas, underground parking lots, warehouses with high-rise storage racks, among others.

In this detector it is possible to adjust the programming through the potentiometers or through the RC3 control.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

PIR

Max 2000W

Max 1000W

200°/360°

24m

10-2000 lux

10s-30m

N/ Inc. RC3

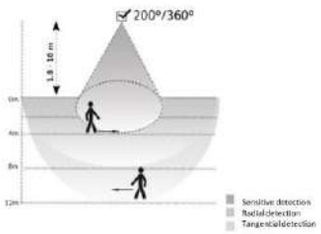
IP 55

BY iMSENS®

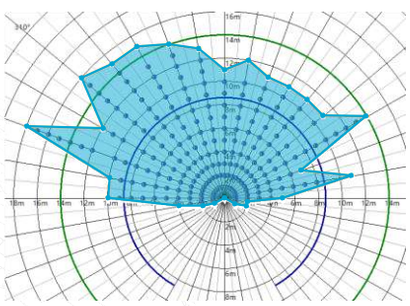
Technical Summary

Product Code	iMS M4-2 200º/360º WHI- 072631 C
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	200º / 360º
Detection Range	Max. 24m
Type of protection	IP55
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	1.8m - 10m
Application	Wall and corners
Measures	75.5mm x 118.8mm
Certification	CE
Command	RC3 Remote Control - 072709 (sold separately)

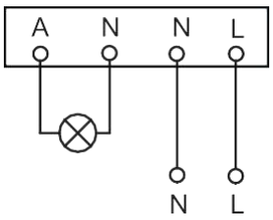
Detection Area



Detection Diagram



Connection Diagram

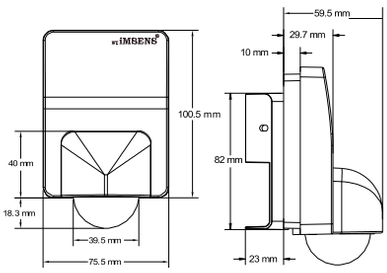


Quick Connect

Inc. corner

N/Inc RC3

Technical Drawing



Technical Summary

Product Code

Multi-PRO Range

iMS Multi 270/360 WHI / BLK

Motion detector with infrared sensor for surface application on walls, ceilings and corners.

Motion detector with protruding infrared sensor, with 270° and 360° detection coverage, allowing a wide detection range due to its lens that can be oriented in any direction on its axis.

It can be applied to walls, ceilings and corners, and the appropriate support is included. It can be used both indoors and outdoors thanks to its degree of protection. Simple assembly due to connection base.

This detector has a high switching power, thus supporting high loads. Allows continuous time adjustment and twilight regulation.

It is the ideal item for monitoring external areas, entrances, access routes, parking areas, underground parking lots, warehouses with high-rise storage racks, among others.

In this detector it is possible to adjust the programming through the potentiometers or through the RC3 control.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

PIR

Max 2000W

Max 1000W

270°/360°

12m

10-2000 lux

10s-10m

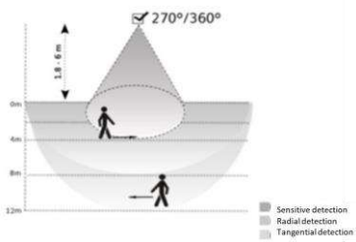
N/ Inc. RC3

IP 55

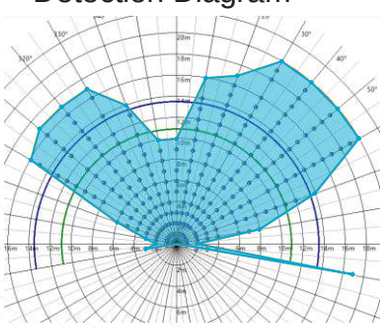
Technical Summary

Product Code White	iMS Multi 270/360 WHI - 072426 V2 C
Product Code Black	iMS Multi 270/360 BLK - 072457 V2 C
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	270º/360°
Detection Range	Max. 12m
Type of protection	IP55
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 10min
Ideal Mounting Height	2.2 – 3.5m ceiling | 1.8 – 6m Wall
Application	Wall, ceiling and corners
Measures	114mm x 78.5mm
Certification	CE
Command	RC3 Remote Control - 072709 (sold separately)

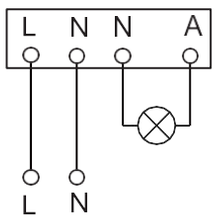
Detection Area

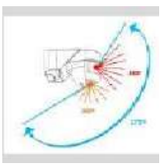


Detection Diagram



Connection Diagram

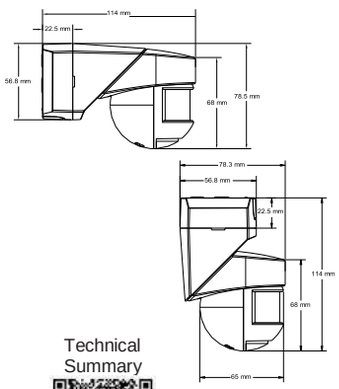




Inc. corner

N/Inc RC3

Technical Drawing



Technical Summary

White

Black

Product Code

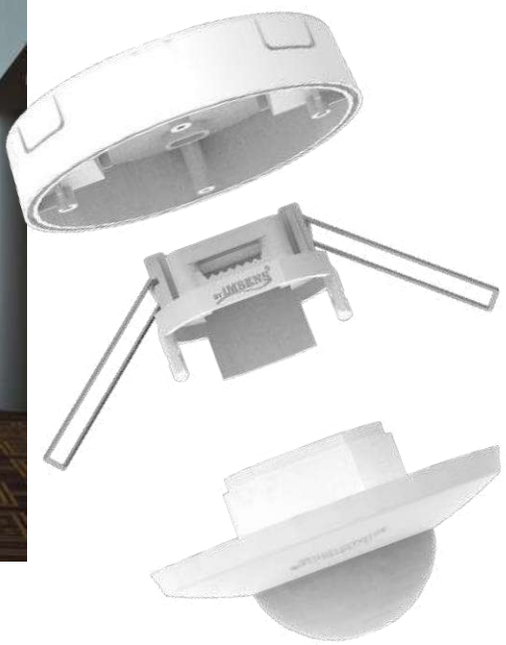
5 600244 072693

White

5 600244 072792

Black

Multi-PRO Range



iMS Multi Corridor WHI

Motion detector with infrared sensor for use in corridors.

It is a motion detector for surface or recessed application in corridors and passageways.
It is ergonomic and versatile, for multipurpose applications as it can be installed flush or surface, thanks to the accessories already included: the springs and the surface mounting box.
By removing the snap-on cover, the range can be adjusted quickly and precisely. This detector has a high switching power, thus supporting high loads.
It is the ideal item for transit areas such as: pavilions, warehouses in general, shelters, corridors, etc., as its high level of protection protects it against bad weather. It can also be installed in places with high ceilings.
The detector is made of UV-resistant plastic, thus allowing for greater durability.
This detector model was developed with the aim of making it a multifaceted product, taking into account that it can be installed as a recessed device using its claws (springs) and as a surface-mounted device using the box supplied, but the detector body itself also has a hole marked on it so that it can be fixed directly to a deep box with screws.

PIR

Max 2000W

Max 1000W

360°

4x20m

10-2000 lux

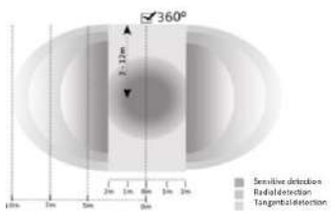
10s-10m

IP
20/55

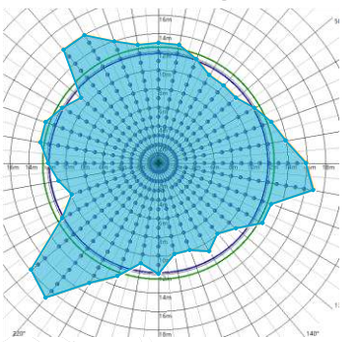
Technical Summary

Product Code	iMS Multi Corridor WHI - 072648
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Max. 4m width, max. 20 length
Type of protection	IP20/IP55
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 10min
Ideal Mounting Height	2 – 12m Ceiling | 1.8 – 3m wall
Application	Ceiling and wall
Measures	Ø105mm x 58.7mm
Certification	CE

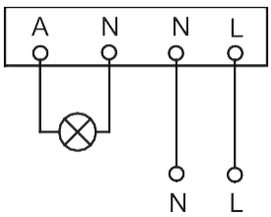
Detection Area



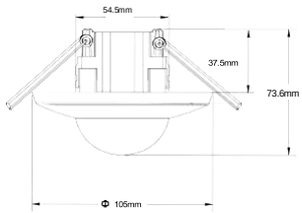
Detection Diagram

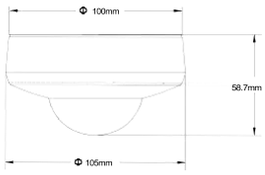


Connection Diagram



Technical Drawing

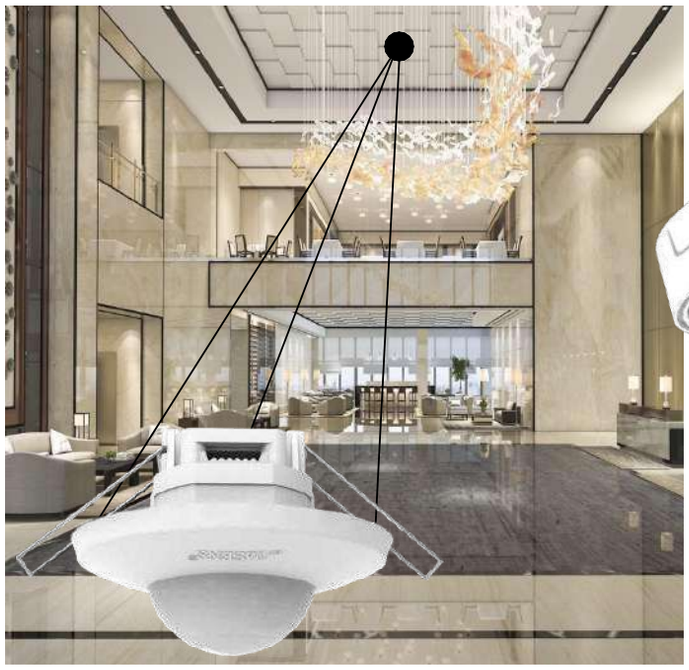




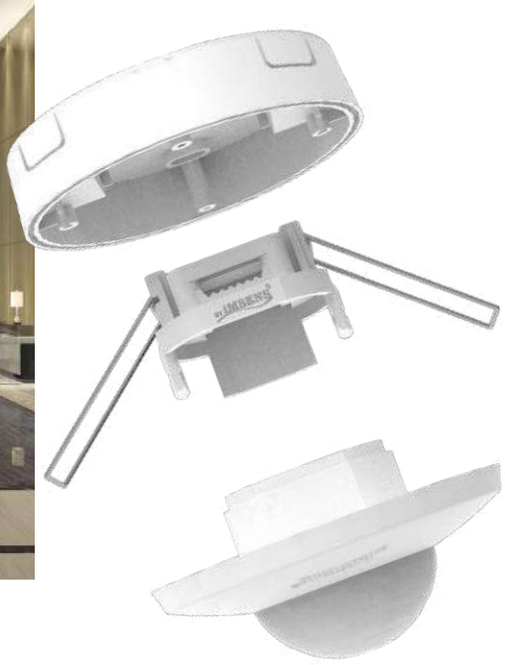
Technical Summary

Product Code

5 600244 072648



Multi-PRO Range



iMS Multi-3 360º WHI

Motion detector with infrared sensor for recessed and surface-mounted applications.

It is a motion detector for multipurpose applications as it can be installed either recessed or surface-mounted, thanks to the accessories already included: springs and surface mounting box.

This detector model was developed with the aim of making it a multifaceted product, taking into account that it can be installed both in-ground using its clamps (springs) and in a surface-mounted position, using the box supplied, and the detector body itself also has a perforation marked on it so that it can be fixed directly to a deep box with screws.

It is an ergonomic and versatile detector. By removing the snap-on cover, the range can be adjusted quickly and precisely.

This detector can be programmed using potentiometers or via the RC3 command. It has high switching power, thus supporting high loads.

It is the ideal item for monitoring large areas such as: garages, car parks, corridors, warehouses, pavilions, large circulation spaces, exterior balconies.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

PIR

Max 2000W

Max 1000W

360º

20m

10-2000 lux

10s-10m

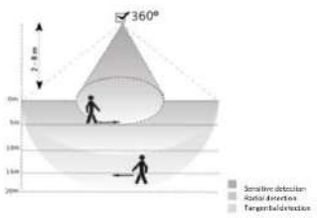
N/ Inc. RC3

IP 20/55

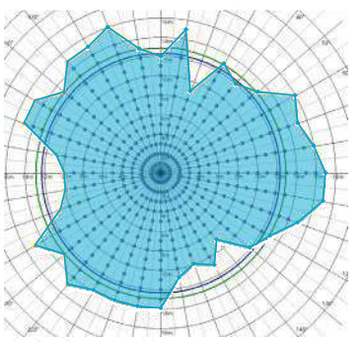
Technical Summary

Product Code	iMS Multi-3 360º WHI - 072471 V2 C
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Max. 20m
Type of protection	IP20/IP55
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 10min
Ideal Mounting Height	2m - 8m ceiling | 1.8m - 2.2m Wall
Application	Ceiling and Wall
Measures	Ø105mm x 58.7mm
Certification	CE
Command	RC3 Remote Control - 072709 (sold separately)

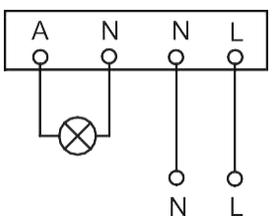
Detection Area



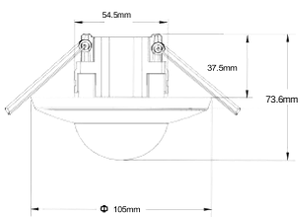
Detection Diagram

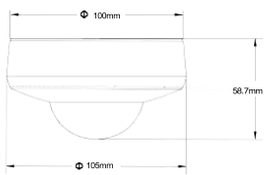


Connection Diagram



Technical Drawing



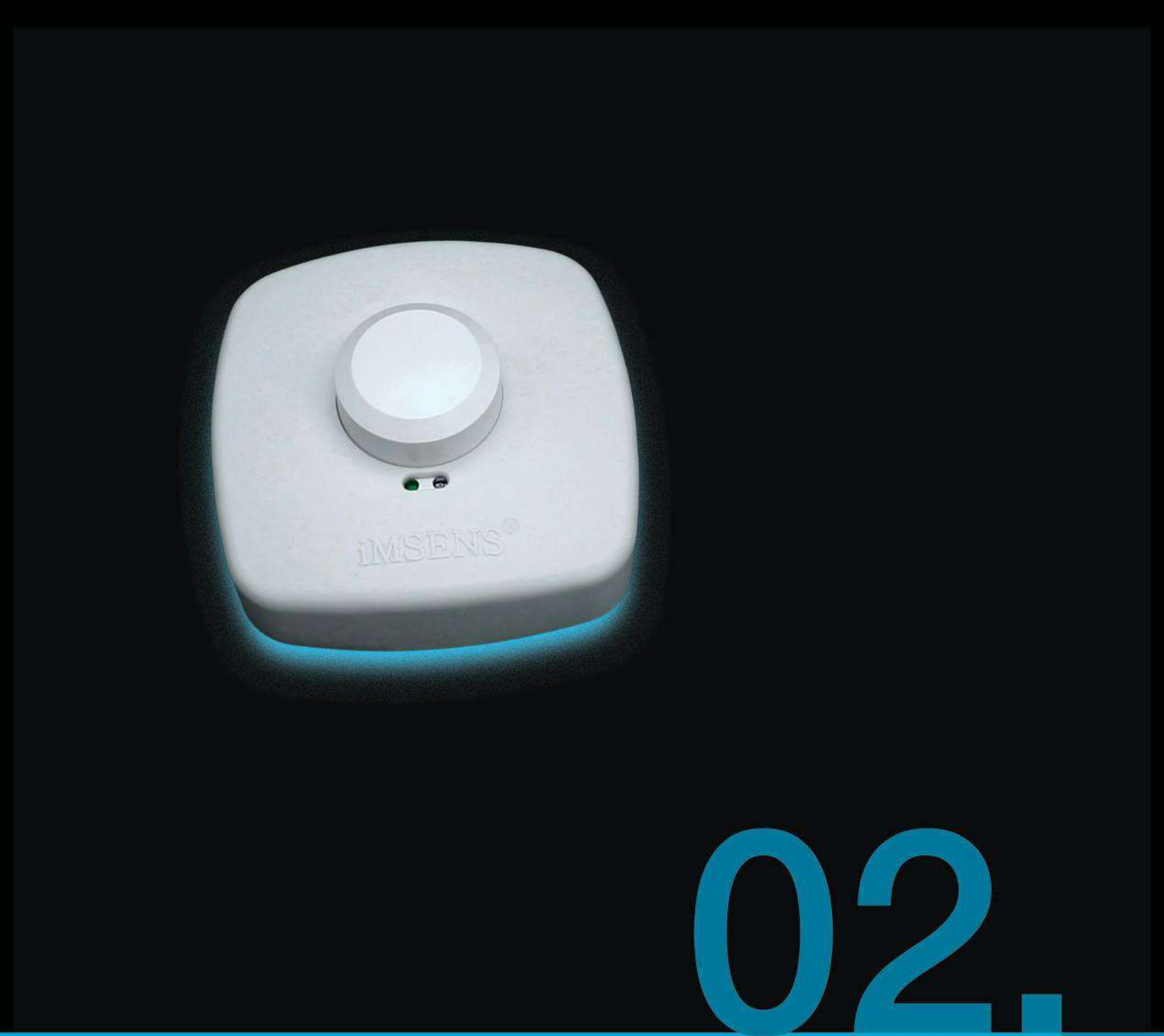


Technical Summary

Product Code

Motion Detectors

BY iMSENS®



02.

High Frequency Motion Detectors

iMS 360° HF Int WHI - 818485
iMS M4-HF 360° WHI - 072167

iMS 360º HF Int WHI

Motion detector with high frequency sensor with multi applications.

The high frequency sensor detects movements immediately through the movement of objects and/or people. The sensor emits short-wave signals and then receives the echo reflected from adjacent walls and objects. Any movement in the detection area is registered by the sensor within fractions of a second due to the changing echo image and the light turns on immediately! After an individually adjustable inactivity time, the light switches off automatically.

Since glass and thin walls do not pose any obstacles to these signals, the sensor can be applied inside the luminaires, remaining invisible from the outside, not interfering with the aesthetic side of the luminaire, as well as being applied above a false ceiling made of plaster and/or wood.

It does not detect through iron/sheet metal/concrete or other obstacles with high density and thickness. Please note that, due to its detection technology, it detects moving liquid bodies, as well as moving air masses (such as hidden pipes inside drywall walls).

It is a detector with a high application range on ceilings or walls, with a 360º detection angle varying according to the application location.

It allows continuous adjustment of time and twilight regulation, as well as sensitivity regulation using potentiometers.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic for greater durability.

HF

Max 1200W

Max 300W

360º

10m

10-2000 lux

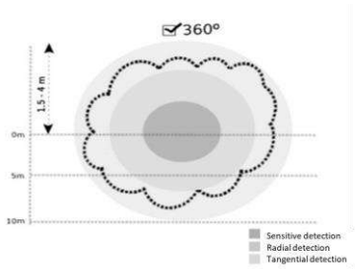
10s-15m

IP 20

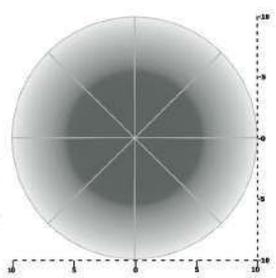
Technical Summary

Product Code	iMS 360º HF Int WHI - 818485
Sensor Type	High Frequency
Power	1200W (incandescent and fluorescent lamps), 300W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	10m
Type of protection	IP20
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 15min
Ideal Mounting Height	2m - 5m Ceiling | 1.5m - 3m wall
Application	Ceiling and wall
Measures	72mm x 42mm
Certification	CE

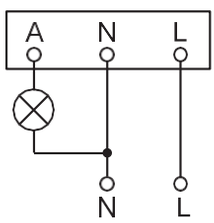
Detection Area



Detection Diagram

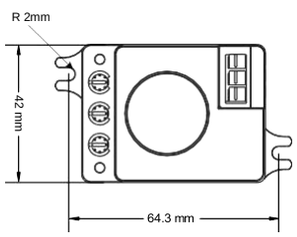


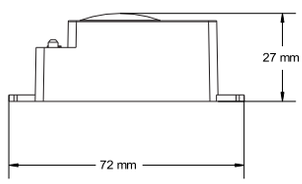
Connection Diagram



Detection indicator LED

Technical Drawing





Technical Summary

Product Code

Multi-PRO Range

iMS M4-HF 360º WHI

Motion detector with high frequency sensor for surface application on ceiling or wall.

The high frequency sensor detector for surface application allows easy connection due to its quick connectors.

The high frequency sensor detects movements immediately through the movement of objects and people. It emits shortwave signals and then receives the echo reflected from adjacent walls and objects. Any movement in the detection area is registered within fractions of a second due to the changing echo image and the light turns on immediately! After an individually adjustable inactivity time, the light switches off automatically. It does not detect through iron/sheet metal/concrete or other obstacles with high density and thickness. Please note that, due to its detection technology, it detects moving liquid bodies, as well as moving air masses (such as hidden pipes inside drywall walls).

It allows continuous adjustment of time and twilight regulation, as well as sensitivity regulation using potentiometers.

It allows ideal installation on the ceiling and wall, being the ideal item for surface mounting in stairwells, toilets, garages, storage rooms, entrance halls, corridors, among others.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

HF

Max 1200W

Max 300W

360º

10m

10-2000 lux

10s-15m

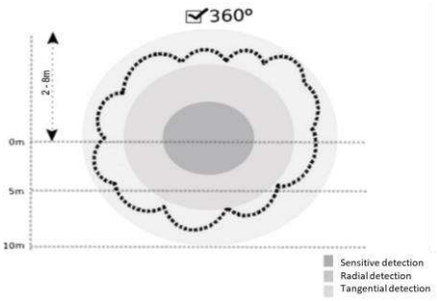
IP 54

BY iMSENS®

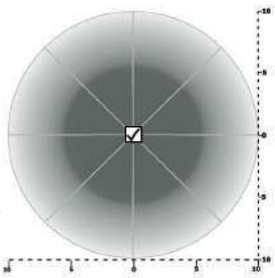
Technical Summary

Product Code	iMS M4-HF 360º WHI - 072167
Sensor Type	High frequency
Power	1200W (incandescent and fluorescent lamps), 300W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Max. 10m
Type of protection	IP54
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 15min
Ideal Mounting Height	2 – 8m Ceiling | 1.5 – 3.5m wall
Application	Ceiling and wall
Measures	94.8mm x 94.8mm
Certification	CE

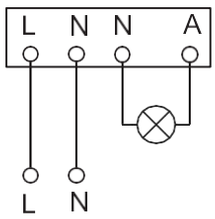
Detection Area



Detection Diagram

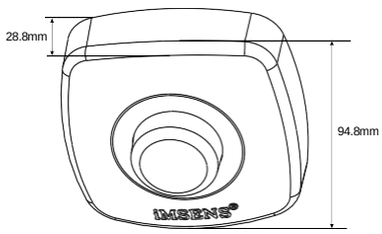


Connection Diagram



Detection indicator LED

Technical Drawing



Technical Summary

Product Code

5 600244 072167 >

Presence Detectors

BY iMSENS®

03.

Presence Detectors

iMS M4-4 360° Presence WHI - 818461 iC
iMS Multi-4 360° Presence WHI - 072488 iC
iMS Multi 360° HF Effective Presence WHI - 072808
iMS Multi-4 360° DualTech Presence WHI - 072495 iC
iMS Multi-3 360° 0-10V Dim Presence WHI - 072815 C
iMS Multi-3 360° Dali2 Dim Presence WHI - 072501 C
iMS Multi 360° Dali2 Dim Mini Presence WHI - 072662 iC
iMS Multi-4 360° KNX Presence WHI - 072000

Multi-PRO Range

iMS M4-4 360º Presence WHI

Presence detector with infrared sensor for surface-mounted application on ceilings and walls.

It is a presence detector with a protruding infrared sensor developed taking into account it has a square aesthetic but with rounded lines, making it easier to apply.

The development of its lens was made for a more perfect diopter so that it detects at minimum movement and thus the fullness of a presence detector can be achieved.

It allows easy assembly, thanks to the large connection space and the wiring also works simply and comfortably. The masks provided serve to limit the detection area.

The RC2 control is included with the detector and all programming is done through it.

It is an ergonomic and versatile detector, for application on ceilings and walls. Allows for continuous time adjustment and twilight regulation.

It is the ideal item for places where movement is reduced, such as: classrooms, pavilions, entrance halls, offices, meeting rooms, open spaces, etc...

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

PIR

Max 2000W

Max 1000W

360º

6-20m

5-200 lux

10s-30m

Inc. RC2

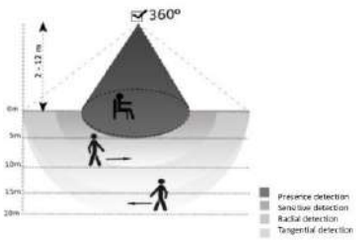
IP 55

BY iMSENS®

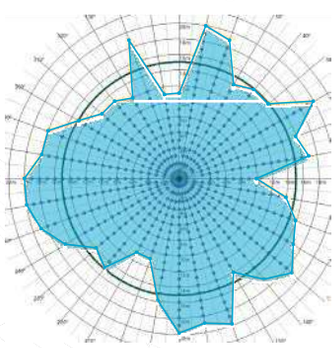
Technical Summary

Product Code	iMS M4-4 360º Presence WHI - 818461 iC
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Presence max. 6m | Tangential max.20m
Type of protection	IP55
Twilight Regulation	5 – 200Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	2m - 12m Ceiling | 1.8m - 3m wall
Application	Ceiling and wall
Measures	102.5mm x 102.5mm
Certification	CE
Masks	Includes self-adhesive masks
Command	Includes RC2 remote control - 072099

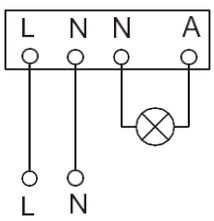
Detection Area



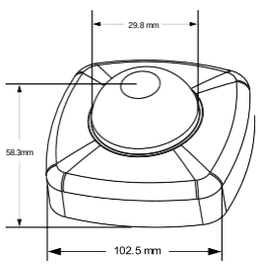
Detection Diagram



Connection Diagram



Technical Drawing

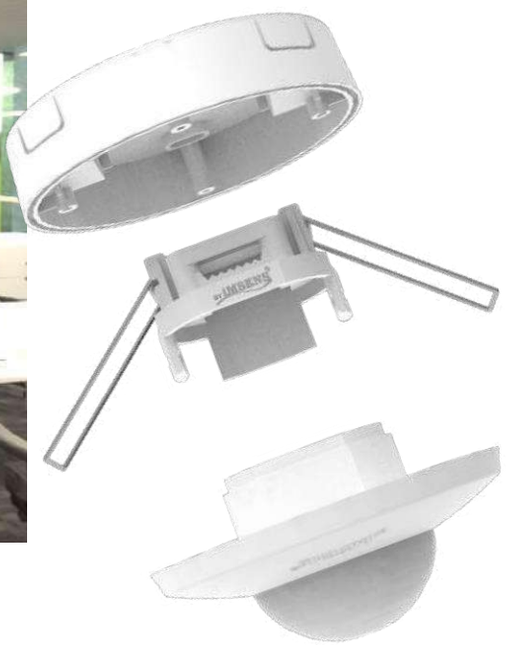


Technical Summary

Product Code

5 600630 818461 >

Multi-PRO Range



iMS Multi-4 360º Presence WHI

Presence detector with infrared sensor for recessed or surface-mounted application on ceilings and walls.

It is a presence detector with infrared sensor for multipurpose applications as it can be installed either flush-mounted or surface-mounted, thanks to the accessories already included: the springs and the surface-mounting box.

The RC2 control is included with the detector and all programming is done through it.

It is an ergonomic and versatile detector, for application on ceilings and walls.

This detector has a high switching power, thus supporting high loads.

It is the ideal item for places where movement is reduced, such as: classrooms, pavilions, entrance halls, offices, meeting rooms, open spaces, etc...

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

This detector model was developed with the aim of making it a multifaceted product, given that it can be used both as a built-in device using its clamps (springs) and as a surface-mount device using the box supplied; but the detector body itself also has a hole marked on it so that it can be fixed directly to a deep box with screws.

PIR

Max 2000W

Max 1000W

360º

6-20m

5-200 lux

10s-30m

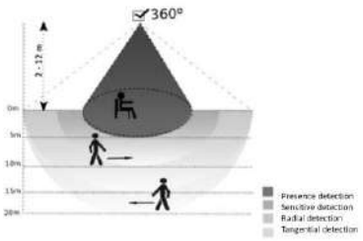
Inc. RC2

IP 20/55

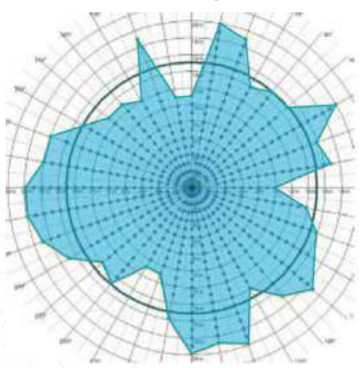
Technical Summary

Product Code	iMS Multi-4 360º Presence WHI - 072488 iC
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Presence max. 6m | Tangential max.20m
Type of protection	IP20/IP55
Twilight Regulation	5 – 200Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	2m - 12m Ceiling | 1.8m - 3m wall
Application	Ceiling and wall
Measures	Ø105mm x 58.7mm
Certification	CE
Command	Includes RC2 remote control - 072099

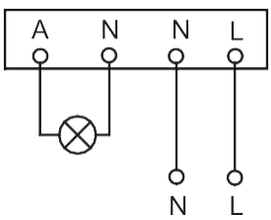
Detection Area



Detection Diagram



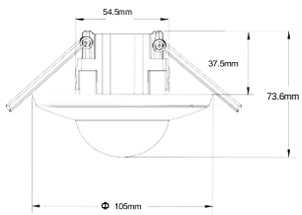
Connection Diagram

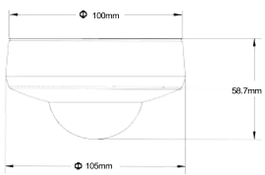


Detection indicator LED

Inc. RC2

Technical Drawing





Technical Summary

Product code

Multi-PRO Range

iMS Multi 360º HF Effective Presence WHI

Presence detector with high frequency sensor for recessed or surface-mounted application on walls and ceilings.

This presence detector with high frequency sensor is an ergonomic and versatile detector, for multipurpose applications, as it can be installed either recessed or surface-mounted.

It has high frequency technology, however it is innovative in its detection formula as it allows effective in-person detection. This effective in-person method makes it possible to detect visible or invisible movements such as a person's breathing, heartbeat or even blood flow. We can effectively say that it is a presence detector that detects all movements, whether they are small or even almost imperceptible. Examples: walking, running, shaking your head, moving your finger, breathing.

It works by emitting short wave signals and then receiving the echo reflected from adjacent walls and objects. Any movement in the detection area is registered by the sensor within fractions of a second due to the change in the echo image and the light turns on immediately. After an individually adjustable inactivity time, the light switches off automatically. Allows adjustments using DIP switches for lux, time, sensitivity (distance).

Allows for ideal installation on the ceiling or wall. It is the ideal item for places where movement is reduced, such as classrooms, meeting rooms, offices, hotel rooms, hospital rooms, homes, in order to ensure that there is light/electricity only when there are people.

It does not detect through iron/sheet metal/concrete or other obstacles with high density and thickness.

HF

Max 2000W

Max 1000W

360°

4-5.4m

<10-100 (24H) lux

10s-15m

IP 20/54

Please note that due to its detection technology, it detects moving liquid bodies as well as moving air masses. It is an article designed to have a shape that facilitates its programming even after application as its programming selectors are accessible on the detector, even when already applied. Simply remove the cover by turning it and the programming selectors are now visible.

Its flat shape makes the product more welcoming and with a more appealing design.

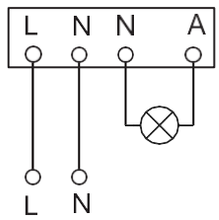
It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

Made from UV resistant plastic for greater durability.

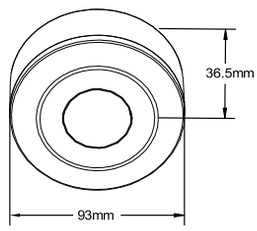
Technical Summary

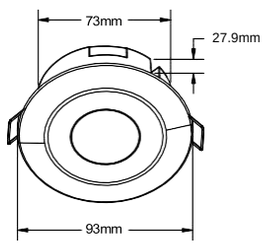
Product Code	iMS Multi 360º HF Effective Presence WHI - 072808
Sensor Type	High frequency
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Presence efective max. 4m | Tangential max. 5.4m
Type of protection	IP20/IP54
Twilight Regulation	<10|30|100|Dia (24H) - Adjustable
Time Adjustment	10seg - 15min
Ideal Mounting Height	2.2m - 4m Ceiling | 1.5m - 1.8m wall
Application	Ceiling and wall
Measures	Ø93mm x 36.5mm
Certification	CE

Connection Diagram

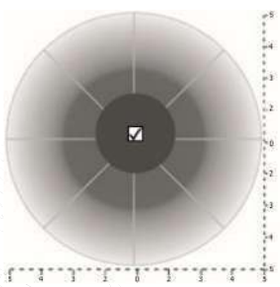


Technical Drawing

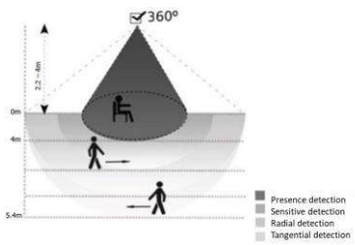




Detection Diagram



Detection Area

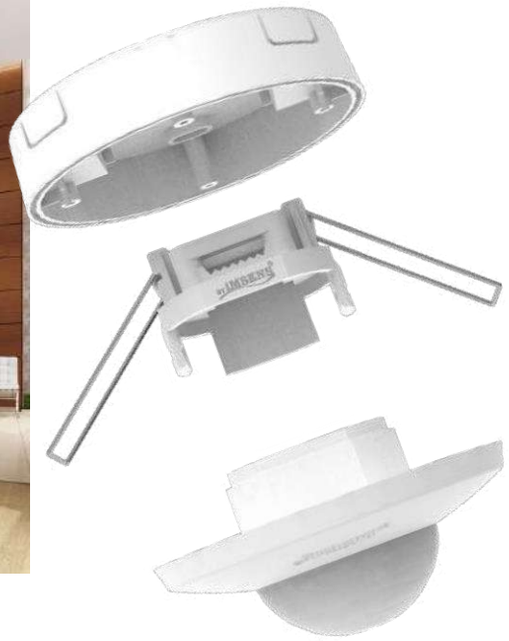


Technical Summary

Product Code

5 600244 072808

Multi-PRO Range



iMS Multi-4 360º DualTech Presence WHI

Presence detector with dual technology for recessed or surface-mounted application on ceilings and walls.

The presence detector with four infrared pyrosensors and an acoustic sensor, that is, with dual technology (infrared and acoustic), with a 360º angle and a range of up to 6m in person and 20m in tangential, for multipurpose applications as it allows its installation to be recessed or surface-mounted, due to the accessories already included: the springs and the surface-mounting box. It is an ergonomic and versatile detector, for application on ceilings and walls.

The RC4 control is included with the detector and comes with pre-defined programs. It is through it that all programming is done. The 4 pre-defined programs are: D/S M1 - acoustic function, which, when selected, will turn on the luminaire if sound is detected; D/S M2 – acoustic or PIR function, which, if selected, will cause the luminaire to turn on if sound is detected, or if movement is detected; D/S M3 – acoustic and PIR function simultaneously, which when selected will make the luminaire turn on only if there is sound and movement at the same time and D/S OFF which is the free function, deactivates the other 3 functions and allows the detector to be parameterized by regulating time, sensitivity and lux. In this option the detector will work as a normal presence detector. This detector has a high switching power, thus supporting high loads.

It is the ideal item for places where movement is reduced and we need to have the light on, but there is no movement but rather sound, such as: classrooms, technical rooms, doctors' offices, offices, beauty salons, gyms, changing rooms, meeting rooms, open spaces, etc.

The product was designed to have high application versatility. Ideal for situations where it is necessary to activate the light through one or both of the following methods:

PIR

Acoustic

Max 2000W

Max 1000W

360º

6-20m

10-100 lux

10s-30m

Inc. RC4

IP 20/55

detection and its continuity can be detected by one or both. Therefore, the product becomes versatile not only in terms of application but also in terms of detection, giving the desired priority depending on the need.

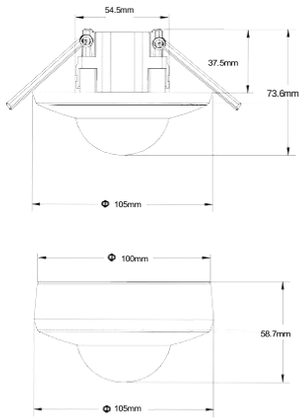
It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing greater durability.

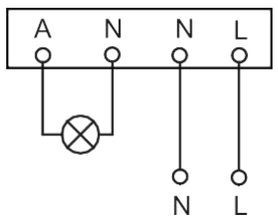
Technical Summary

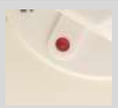
Product Code	iMS Multi-4 360º DualTech Presence WHI - 072495 iC
Sensor Type	Dual technology (Infrared + Acoustic)
Lens Type	Multi lens – emits a greater number of beams per m²
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Presence max. 6m | Tangential max.20m
Type of protection	IP20/IP55
Twilight Regulation	10 – 100Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	2m - 17m Ceiling | 1.8m - 5m wall
Application	Ceiling and wall
Measures	Ø105mm x 58.7mm
Certification	CE
Command	Includes RC4 remote control - 072716

Technical Drawing



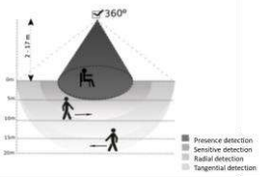
Connection Diagram



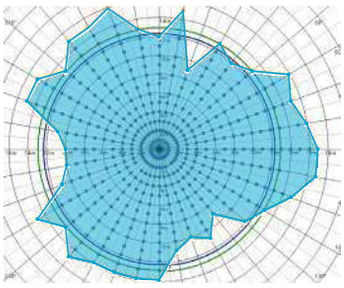

Detection indicator LED

Inc. RC4

Detection Area



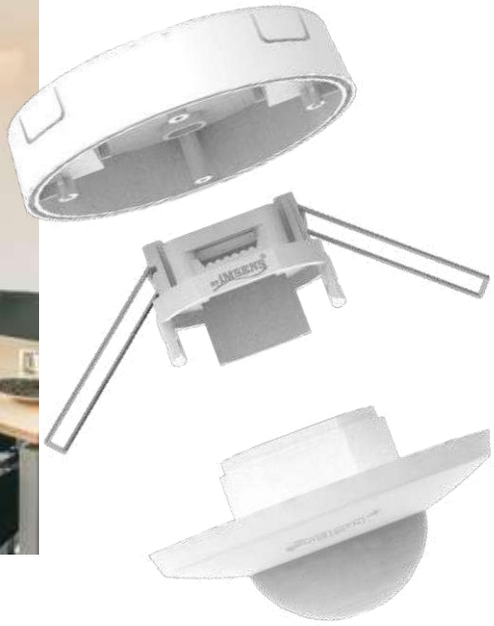
Detection Diagram



Technical Summary

Product Code

Multi-PRO Range



iMS Multi-3 360º 0-10V Dim Presence WHI

DIM presence detector for recessed or surface-mounted application.

PIR

0-10V-DIM

360°

6-20m

3-2000 lux

10s-30m

N/ Inc. RC6

IP 20/55

It is a presence detector with three infrared pyrosensors and DIM function for multipurpose applications as it can be installed either flush or surface, thanks to the accessories already included: the springs and the surface mounting box. Its versatility of application for construction sites or small areas, combined with equipment with dimmable 0-10V electronic ballasts, allows for energy savings at low cost.

It is an ergonomic and versatile detector, for application on ceilings and walls. Allows programming to be done using potentiometers or using the RC6 remote control sold separately.

The remote control allows for a wide range of changes, programming, adjustments, etc. For example, you can choose predefined scenarios as well as one of four adjustable modes: M1-AT = Automatic (occupancy function + “daylight harvesting”), M2-PM = PIR + Moon (Twilight) Occupancy function, M3-PC (occupancy without daylight harvesting) or M4-LC (Lux + Controls (daylight harvesting function only). Factory values can be changed via the remote control.

Choosing the most suitable Mode or pre-defined scenario, or adapting the characteristics, will allow energy savings, since light compensation can be done, making the most of natural light, thus not using more artificial light than necessary and prolonging the life of connected equipment, thus achieving energy efficiency as a whole.

BY iMSENS®

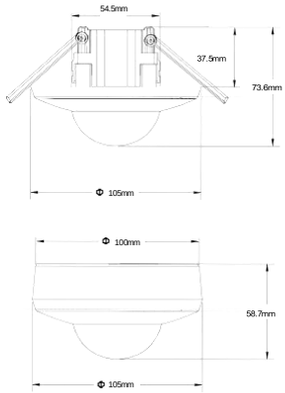
It is the ideal item for places where movement is reduced and where you want to create different light flow scenarios, such as: classrooms, technical rooms, doctors' offices, consulting rooms, auditoriums, projection rooms, open spaces, etc. Its high degree of protection protects it against bad weather.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process. Made from UV resistant plastic for greater durability.

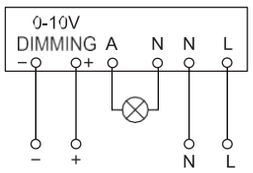
Technical Summary

Product Code	iMS Multi-3 360º 0-10V Dim Presence WHI - 072815 C
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	1000W (incandescent and fluorescent lamps), 300W (energy saving and LED lamps)
Voltage	Input L/N: 220-240V AC/50HZ Live AC output A/N: 220-240V AC/50HZ, 300W 0 – 10 V Voltage Output: ± 0 – 10 V
Detection Angle	360º
Detection Range	Presence max. 6m | Tangential max.20m
Type of protection	IP20/IP55
Twilight Regulation	3-2000Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	2 – 12m Ceiling | 1.5 – 5m wall
Application	Ceiling and wall
Measures	Ø105mm x 58.7mm
Certification	CE
Command	RC6 Remote Control - 072846 (Sold separately)

Technical Drawing



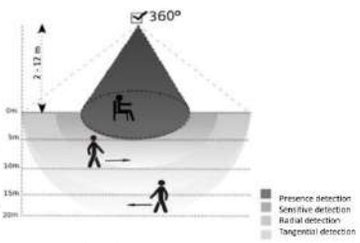
Connection Diagram



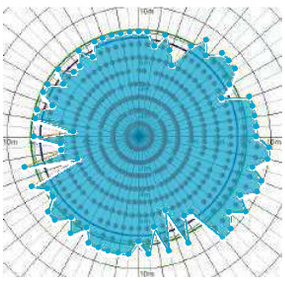
0-10V

N/ Inc. RC6

Detection Area



Detection Diagram

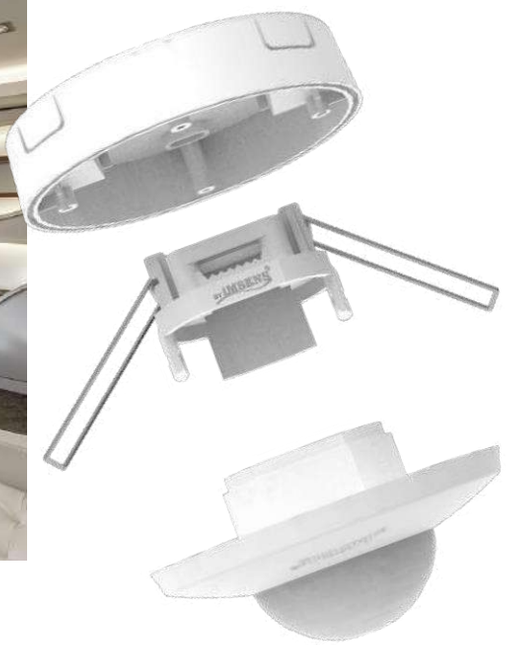


Technical Summary

Product Code

5 600244 072815

Multi-PRO Range



iMS Multi-3 360º Dali2 Dim Presence

Presence detector with DALI2 DIM interface for recessed or surface-mounted application on walls or ceilings.

The presence detector with DALI2 DIM interface, with a 360º angle and a high range, for multipurpose applications as it can be installed either flush or surface, thanks to the accessories already included: the springs and the surface mounting box. It is an ergonomic and versatile detector that also works with the use of the RC6 remote control (sold separately).

It allows installation on the ceiling and wall, being the ideal item for places where movement is reduced (here the most suitable for application is a presence detector) and it is necessary to manage the desired luminous flux in the work environment by compensating the light from the luminaires. Ideal for places such as: classrooms, technical rooms, doctors' offices, consulting rooms, auditoriums, projection rooms, “open spaces”, etc. Its DALI2 technology allows interconnection with other equipment with the same DALI technology and/or other interfaces, thus obtaining effective control of all lighting equipment, allowing effective and permanent management, saving all its resources and prolonging them.

The remote control allows for a wide range of changes, programming, adjustments, etc. For example, you can choose predefined scenarios as well as one of four adjustable modes: M1-AT = Automatic (occupancy function + “daylight harvesting”), M2-PM = PIR + Moon (Twilight) Occupancy function, M3-PC (occupancy without daylight harvesting) or M4-LC (Lux + Controls (daylight harvesting function only). Factory values can be changed via the remote control.

Choosing the most suitable Mode or predefined scenario, or adapting the

PIR

DALI-2

DIM

360º

6-20m

3-2000 lux

10s-30m

N/ Inc. RC6

IP 20/55

characteristics, will allow energy savings, since light compensation can be done, making the most of natural light, thus not using more artificial light than necessary and prolonging the durability of the connected equipment, thus achieving energy efficiency as a whole.

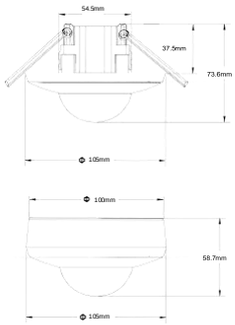
There is also the possibility of using a push-button switch, which makes it easier for the user to control their light fixture in real time in order to optimize their needs: turn the sensor on or off directly, without using the remote control.

The detector is made of UV-resistant plastic, thus allowing greater durability. It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

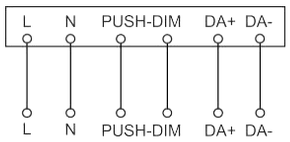
Technical Summary

Product Code	iMS Multi-3 360º Dali2 Dim Presence WHI - 072501 C
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Voltage	Input L/N: 220-240V AC/50Hz Push-DIM: Push button with 250 VAC DA + / DA -: 14 – 18 VDC
Detection Angle	360º
Detection Range	Presence max. 6m | Tangential max. 20m
Type of protection	IP20/IP55
Twilight Regulation	3-2000Lux (Adjustable)
Time Adjustment	10seg a 30min
Ideal Mounting Height	2m – 12m Ceiling | 1.5m – 5m wall
Application	Ceiling and wall
Measures	Ø105mm x 58.7mm
Certification	CE
Command	iMS RC6 Remote Control - 072846 (sold separately)

Technical Drawing



Connection Diagram



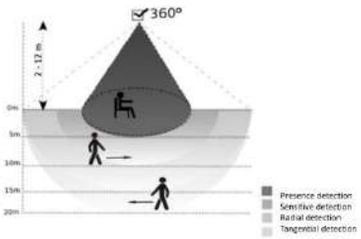
Detection indicator LED

DIM

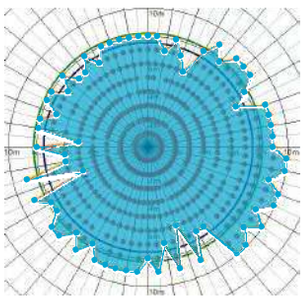
DALI-2

N/ Inc. RC6

Detection Area



Detection Diagram



Technical Summary

Product Code

5 600244 072501 >

Multi-PRO Range

iMS Multi 360º Dali2 Dim Mini Presence WHI

Presence detector with DALI2 DIM interface for recessed or surface-mounted application on walls or ceilings.

PIR

DALI-2

DIM

360º

4-7m

3-2000 lux

30s-30m

Inc. RC6

IP 20/55

The presence detector with DALI2 DIM interface has a 360º angle and is ideal for multipurpose applications as it can be installed either recessed or surface-mounted, thanks to the accessories already included: the springs and the surface-mounting box. It is an ergonomic and versatile detector and works with the use of the RC6 remote control (included).

It allows installation on the ceiling and wall, making it the ideal item for small spaces where it is necessary to manage the desired luminous flux in the work environment by compensating the light from the luminaires. Ideal for places such as: technical rooms, doctors' offices, consulting rooms, corridors, etc. Its DALI2 technology allows interconnection with other equipment with the same DALI technology and/or other interfaces, thus obtaining effective control of all lighting equipment, allowing effective and permanent management, saving all its resources and prolonging them.

The remote control allows for a wide range of changes, programming, adjustments, etc. For example, you can choose predefined scenarios as well as one of four adjustable modes: M1-AT = Automatic (occupancy function + “daylight harvesting”), M2-PM = PIR + Moon (Twilight) Occupancy function, M3-PC (occupancy without daylight harvesting) or M4-LC (Lux + Controls (daylight harvesting function only). The factory values can be changed via remote control to meet user needs depending on the application area.

Choosing the most suitable Mode or pre-defined scenario, or adapting the characteristics, will allow energy savings, since light compensation can be done, making the most of natural light, thus not wasting artificial light on

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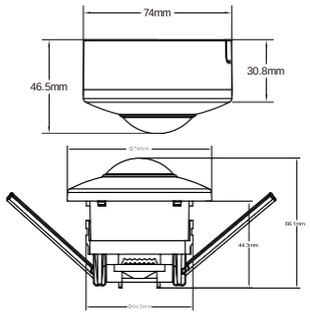
quantity greater than necessary and extending the durability of connected equipment, thus achieving energy efficiency as a whole.

The detector is made of UV-resistant plastic, thus allowing greater durability. It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

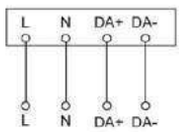
Technical Summary

Product Code	iMS Multi 360º Dali2 Dim Mini Presence WHI - 072662 iC
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Power	1000W (incandescent and fluorescent lamps), 300W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Presence max. 4m | Tangential max.7m
Type of protection	IP20/IP55
Twilight Regulation	3-2000Lux (Adjustable)
Time Adjustment	30seg a 30min
Ideal Mounting Height	2m – 4 Ceiling| 1.5m – 2.5m Wall
Application	Ceiling and Wall
Measures	Ø74mm x 46.5mm
Certification	CE
Command	Includes RC6 remote control - 072846

Technical Drawing



Connection Diagram



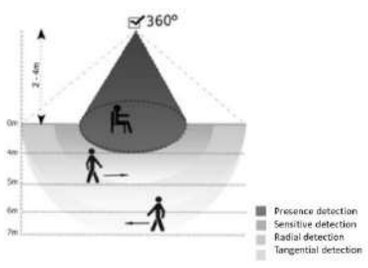
Detection indicator LED

DIM

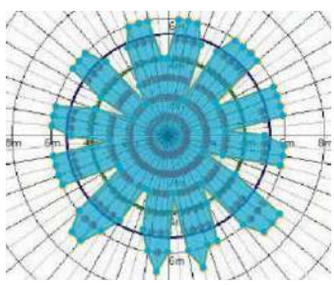
DALI-2

Inc. RC6

Detection Area



Detection Diagram



Technical Summary

Product Code

5 600244 072662

Multi-PRO Range

iMS Multi-4 360º KNX Presence WHI

Presence detector with KNX interface for recessed or surface-mounted application on walls or ceilings.

The presence detector with KNX protocol, with a 360º angle and a high range, for multipurpose applications as it can be installed either recessed or surface-mounted, thanks to the accessories already included: the springs and the surface-mounting box.

It is an ergonomic and versatile detector, for application on ceilings and walls.

It is the ideal item for places where movement is limited and where you want to control through home automation.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The detector is made of UV-resistant plastic, thus allowing for greater durability.

Available soon, currently under development.

PIR

KNX

24V DC

360º

6-20m

3-2000 lux

1s-4h

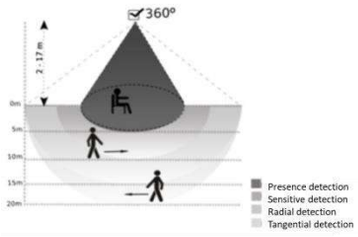
IP 20/55

BY iMSENS

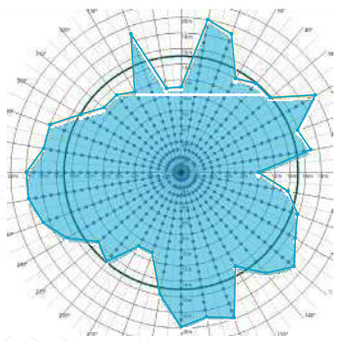
Technical Summary

Product Code	iMS Multi-4 360º KNX Presence WHI - 072000
Sensor Type	Infrared
Lens Type	Multi lens – emits a greater number of beams per m²
Voltage	30V-DC via KNX bus
Detection Angle	360º
Detection Range	Presence max. 6m | Tangential max. 20m
Type of protection	IP20/IP55
Twilight Regulation	3-2000Lux (Adjustable)
Time Adjustment	1s – 4h
Ideal Mounting Height	2 – 17m Ceiling | 1.8 – 5m wall
Application	Ceiling and wall
Measures	Ø105mm x 58.7mm
Certification	CE

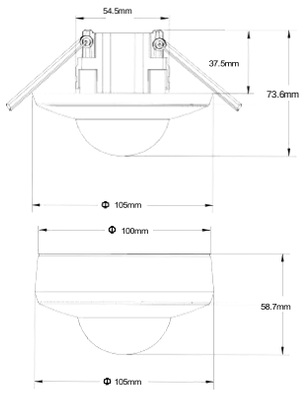
Detection Area



Technical Drawing



Technical Drawing



Detection indicator LED

KNX

Technical Summary

Product Code

5 600244 072000

Proximity Sensors

BY iMSENS®

04.

Proximity Sensors

iMS Proxim Sensor ON/OFF WHI - 072358

iMS Proxim Sensor ON/OFF WHI

Short range IR sensor.

It is a short range IR (infrared) sensor. In other words, the system itself works with easily detectable signals, as they are of the yes or no type.

The sensor has quick connectors, making installation easier. Distances of up to 6cm are easily detectable.

The ON/OFF function is controlled by approaching obstacles. When you place the obstacle in the detection area, the sensor detects it and turns off the light. The light will always be on as long as the sensor does not detect anything in that distance area.

Elements it can detect: all types of solid materials, e.g. wood, metal, glass, brick, etc.

It is a sensor manufactured under demanding high quality and performance standards, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

Ideal for use inside cabinets, drawers, wardrobes, kitchen cabinets, filing cabinets, between others.

PIR

Max 800W

Max 200W

6cm

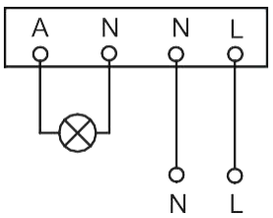
ON
OFF

IP
20/65

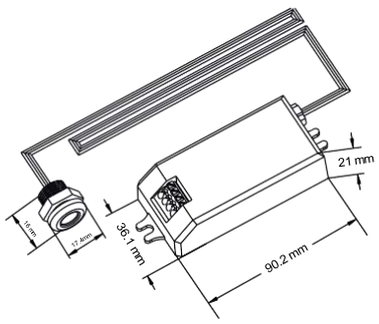
Technical Summary

Product Code	iMS Proxim Sensor ON/OFF WHI - 072358
Sensor Type	IR Proximity
Voltage	220V/AC-240V/AC / 50HZ
Detection Range	Max. 6cm
Type of protection	IP20/IP65
Application	Drawers/cabinets
Measures	90.2mm x 36.1mm | Cable 2m
Certification	CE

Connection Diagram



Technical Drawing



Technical Summary

Product Code

5 600244 072358 >

Twilight Photocells

BY iMSENS®

05.

Twilight Photocells

iMS Alpha Twilight WHI - 818478
iMS Alpha Twilight BLK - 072402
iMS Alpha Twilight Time WHI - 072532

Universal Range

iMS Alpha Twilight WHI / BLK

Twilight switch that allows automatic light control.

It is the ideal twilight switch for controlling lighting systems designed to illuminate house facades, land, shop windows, patios, gardens, illuminated signs and billboards at night. The Alpha records the ambient brightness and automatically turns on the lighting when it gets dark, more precisely when the predefined twilight limit is reached, turning it off again as soon as dawn breaks.

The Alpha has quick connectors making installation easier. It has high switching power, thus supporting high loads.

It can be used both indoors and outdoors due to its high degree of protection that protects it against bad weather.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The twilight switch is made of UV resistant plastic, thus allowing greater durability.

Max 2000W

Max 1000W

10-250 lux

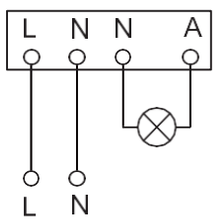
IP 54

BY iMSENS®

Technical Summary

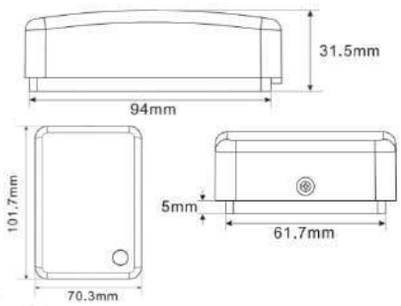
Product Code White	iMS Alpha Twilight WHI - 818478
Product Code Black	iMS Alpha Twilight BLK - 072402
Sensor Type	Twilight Photocells
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Type of protection	IP54
Twilight Regulation	10–250Lux
Application	Wall
Measures	101.7mm x 70.3mm x 31.5mm
Certification	CE

Connection Diagram



	< 10LUX	> 40 LUX	< 10 LUX	> 80 LUX	< 150 LUX	> 250 LUX
LUX	ON	OFF	-	-	-	-
LUX	-	-	ON	OFF	-	-
LUX	-	-	-	-	ON	OFF

Technical Drawing



Product Code

White

Black

Technical Summary

5 600630 818478 >

White

5 600244 072402 >

Black

Multi-PRO Range

iMS Alpha Twilight Time WHI

Twilight switch with timer that allows automatic light control.

The twilight switch with timer that turns night into day. This switch turns on the lighting depending on the ambient brightness. The microprocessor-controlled twilight timer is ideal when you want to illuminate an area but parameterize its operating window to anticipate its shutdown in relation to sunrise. However, this sensor has a DD function, which when programmed, will perform the normal twilight switch function.

It is ideal for display windows, commercial panels or other surfaces.

The variable economic night mode and the option of choosing whether to switch the light “on or off in the morning” are of particular interest if the light, despite having to be controlled at dusk, is not intended to be used during certain hours of the night. In this mode, the light turns on at dusk, then turns off at night in an adjustable window, and turns on again in the morning if desired, while remaining off during the day.

Alpha Time has quick connectors, making installation easier.

It can be used both indoors and outdoors due to its high degree of protection that protects it against bad weather.

It is a detector manufactured under demanding standards of high quality and performance, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

The twilight switch is made of UV resistant plastic, thus allowing greater durability.

Max 2000W

Max 1000W

10 lux ON
40 lux OFF

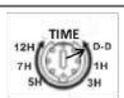
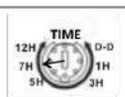
1-12h
D-D

IP
54

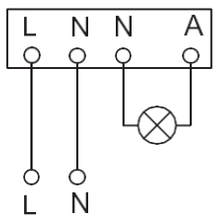
BY iMSENS®

Technical Summary

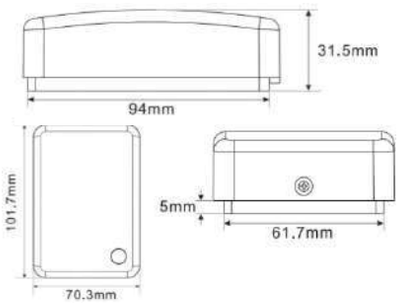
Product Code	iMS Alpha Twilight Time WHI - 072532
Sensor Type	Twilight Photocells
Power	2000W (incandescent and fluorescent lamps), 1000W (energy saving and LED lamps)
Voltage	220V/AC-240V/AC / 50HZ
Type of protection	IP54
Twilight Regulation	10-40Lux
Time adjustment	1 - 12h / D-D
Application	Wall
Measures	101.7mm x 70.3mm x 31.5mm
Certification	CE

iMS Alpha Time - 072532				
	<20 LUX	<10 LUX	Time | OFF	>40 LUX
	ON		D-D	
		ON	6"M	OFF
		ON	8"M	OFF
			:"M	OFF
		ON	<"M	OFF
		ON	67"M	OFF

Connection Diagram



Technical Drawing

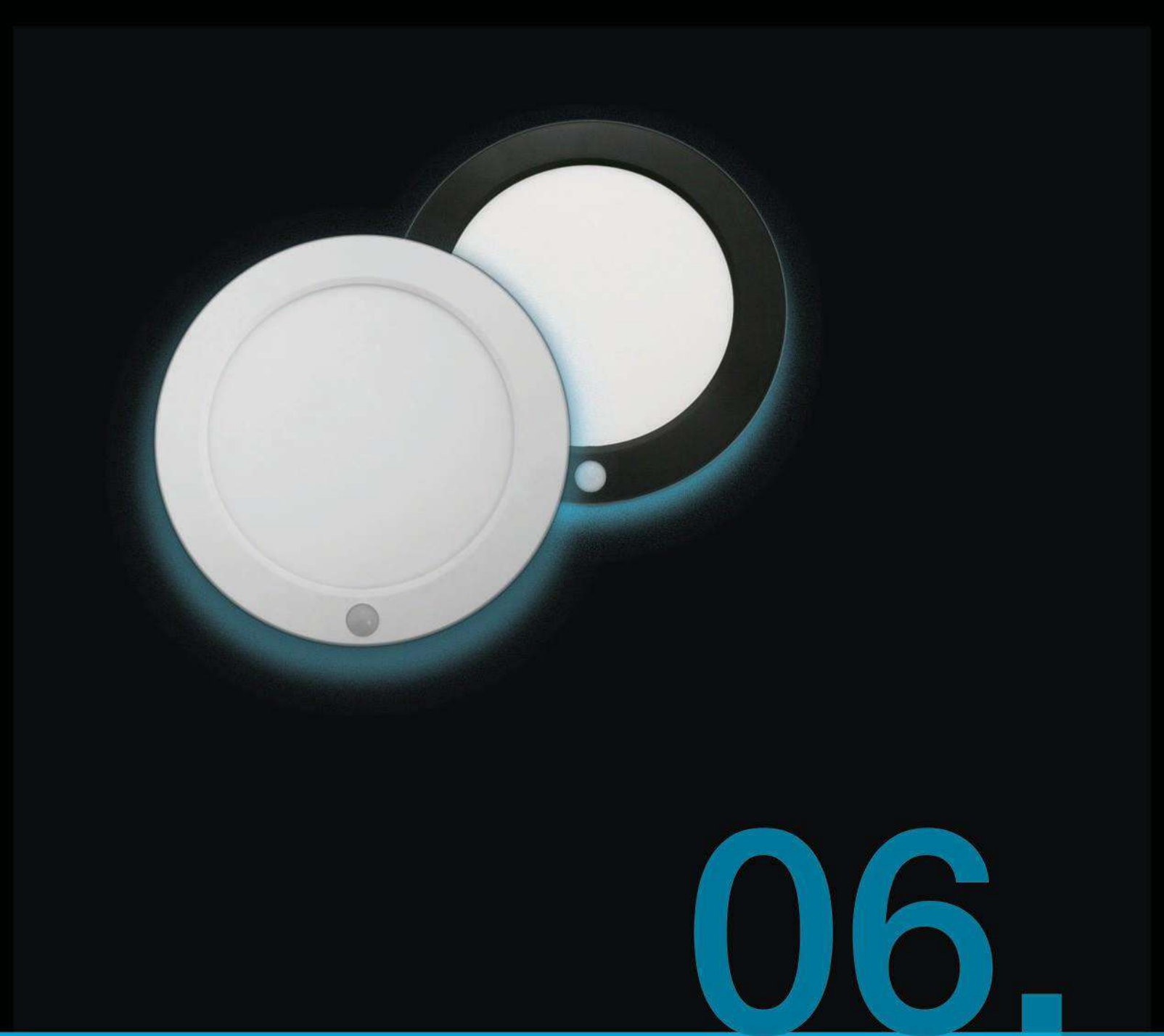


Technical Summary

Product Code

Lighting

BY iMSENS®



06.

Lighting with PIR sensor

iMSL 360° Urano Led 20W WHI - 072341
iMSL 360° Multi Downlight Sol 18W WHI / BLK / SIL - 072518

Universal Range

iMSL 360º Urano Led 20W WHI

LED ceiling light with infrared sensor for ceiling or wall application.

LED ceiling light with a simple design for ceiling or wall application.

The simplest way to light your home or space with modern means using the BYiMSENS® ceiling light. The most modern sensor technology automatically turns on the lighting at dusk as soon as it detects movement combined with the temperature. If no movement is detected, it turns the lighting off again after the preset time has elapsed.

It allows safety, comfort and energy savings through automatic light switching. It is the ideal item for hallways, porches, apartment entrances, stairwells, etc. It is a ceiling light manufactured under demanding high quality and performance standards, in order to achieve full energy efficiency, respecting the environment in its manufacturing process.

PIR

20W

LM
1600 lúmens

K
4000 Kelvin

360º

6m

10-2000 lux

10s-3m

IP
20

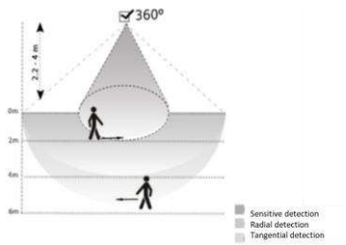
IK07

BY iMSENS®

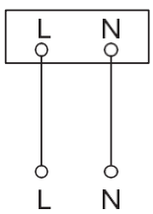
Technical Summary

Product Code	iMSL 360º Urano Led 20W WHI - 072341
Sensor Type	Infrared
Power	20W
Lúmens	1600lm - 80lm/W
Kelvin	4000K
Voltage	220V/AC-240V/AC / 50HZ
Detection Angle	360º
Detection Range	Max. 6m
Type of protection	IP20 / IK07
Twilight Regulation	10 - 2000Lux (Adjustable)
Time Adjustment	10seg a 3min
Ideal Mounting Height	2.2m - 4m Ceiling | 1.8m - 4m wall
Application	Ceiling and wall
Measures	Ø293mm
Certification	CE

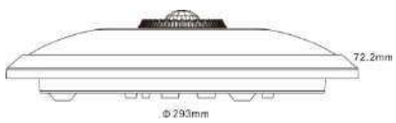
Detection Area



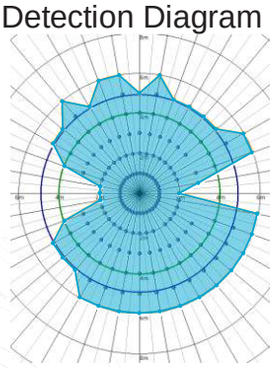
Connection Diagram

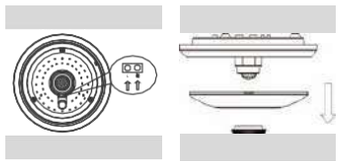


Technical Drawing



Detection Diagram





Technical Summary

Product Code

Multi-PRO Range

iMSL 360º Multi Downlight Sol 18W WHI / BLK / SIL

LED downlight with infrared sensor for surface or wall-mounted application.

The simplest way to illuminate your home and space with modern means using the BYiMSENS® downlight. State-of-the-art sensor technology automatically switches on the lighting at dusk as soon as it detects movement and temperature. If no movement is detected, it switches the lighting off again after the preset time has elapsed.

It provides security, comfort and energy savings through automatic light switching. You can choose to program the sensor or turn it off and the ceiling light will function like a conventional lamp.

Kelvins can be adjusted: the color temperature can be set via a switch on the front of the luminaire by simply removing the cover. The options are 3000K (warm white), 4000K (natural white), 6000K (cool white) or switch (it will work by operating a switch and with each flick of the switch the Kelvin will change).

You can also choose the color of the frame: white / black / grey, already included. By being able to change the color of the frame, it becomes the ideal item for corridors, living rooms, leisure areas, bathrooms, apartment entrances, stairwells, among others.

It is a downlight manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

PIR

18W

LM
1900 lúmens

3000 Kelvin
4000 Kelvin
6000 Kelvin
CCT

120º/360º

6m

10-2000 lux

30s-120s

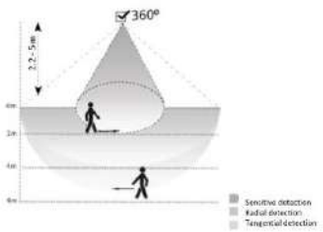
IP
20

IK07

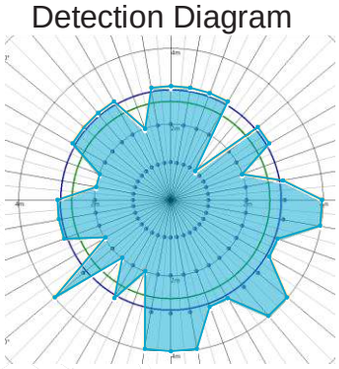
Technical Summary

Product code	iMSL 360º Multi Downlight Sol 18W WHI / BLK / SIL - 072518
Sensor type	Infrared
Power	18W
Lúmens	1900lm – 105lm/W
Kelvin	3000K / 4000K / 6000K
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	120° wall / 360º Ceiling
Detection range	Max. 6m
Type of protection	IP20 / IK07
Twilight regulation	10 - 2000Lux (Adjustable)
Ideal mounting height	2.2m – 5m Ceiling | 1.7m – 5m wall
Time adjustment	30seg a 2min
Application	Ceiling and wall
Measures	Ø230mm
Certification	CE

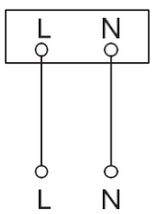
Detection Area

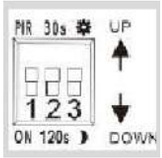


Detection Diagram

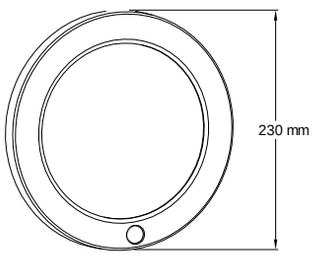


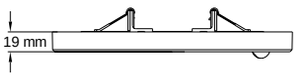
Connection Diagram





Technical Drawing





Technical Summary

Product code

Lighting

BY iMSENS®

07.

High Frequency sensor Lighting

iMSL 360° Neptuno Led 13W WHI - 072105
iMSL 360° Venus E27 PMMA WHI - 818423
iMSL Multi Ceres 12W -> 25W CCT PC WHI - 072679

Universal Range

iMSL 360º Neptuno Led 13W WHI

LED spotlight with High Frequency sensor for ceiling or wall application.

LED spotlight with High Frequency sensor with a simple design for ceiling or wall application. The innovation is hidden inside the lamp. A high frequency motion sensor that greets you and your guests with light when you enter the detection area and switches off again when it's no longer needed. So now it's also possible to have maximum efficiency and the best comfort and well-being even inside buildings.

The high frequency sensor detects movement immediately through the movement of objects and/or people. It emits short-wave signals and then receives the echo reflected from the walls and adjacent objects. Any movement in the detection area is registered by the sensor in fractions of a second due to the change in the echo image and the light comes on immediately! After an individually adjustable time of inactivity, the light switches off automatically.

Intelligence is not seen, it is noticed. The high frequency sensors can be optimally adapted to your needs thanks to three continuously adjustable regulators.

Ideal for corridors, porches, house entrances, apartment entrances, stairwells, etc.

It is a ceiling light manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

HF

13W

LM
1040 lúmens

K
4000 Kelvin

360º

10m

10-2000 lux

10s-15m

IP
54

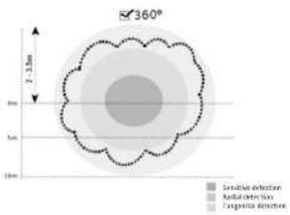
IK10

BY iMSENS®

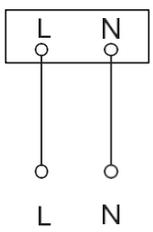
Technical Summary

Product code	iMSL 360º Neptuno Led 13W WHI - 072105
Sensor type	High Frequency
Power	13W
Lúmens	1040lm – 80lm/W
Kelvin	4000K
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection Range	Max. 10m
Type of protection	IP54 / IK10
Twilight regulation	10 - 2000Lux (Adjustable)
Ideal mounting height	2 – 3.5m Ceiling | 1.7 – 3.5m wall
Time adjustment	10seg a 15min
Application	Ceiling and wall
Measures	Ø220mm
Certification	CE

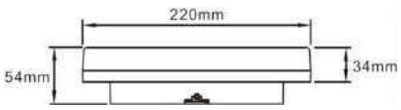
Detection Area



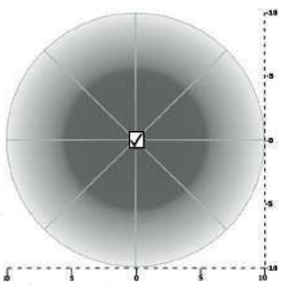
Connection Diagram

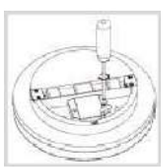


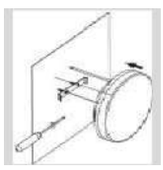
Technical Drawing



Detection Diagram







Technical Summary

Product code

Universal Range

iMSL 360º Venus E27 PMMA WHI

E27 spotlight with High Frequency sensor for ceiling or wall application.

The innovation is hidden inside the lamp! A high frequency motion sensor that greets you and your guests with light when you enter the detection area and switches off again when it's no longer needed. So now it's also possible to have maximum efficiency and the best comfort and well-being even inside buildings.

The high frequency sensor detects movement immediately through the movement of objects and/or people. The sensor emits short-wave signals and then receives the echo reflected from the walls and adjacent objects. Any movement in the detection area is registered by the sensor in fractions of a second due to the change in the echo image and the light comes on immediately! After an individually adjustable time of inactivity, the light switches off automatically. Intelligence isn't seen, it's noticed. The high frequency technology is hidden inside the luminaire and guarantees a “just in time” light.

The high frequency sensors can be optimally adapted to your needs thanks to three adjustable dimmers. Its wattage is E27 bulbs, max. 60W.

Ideal for corridors, porches, house entrances, apartment entrances, stairwells, parking lots, etc.

This ceiling light is manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

HF

60W/E27

360°

10m

3-2000 lux

10s-12m

IP 44

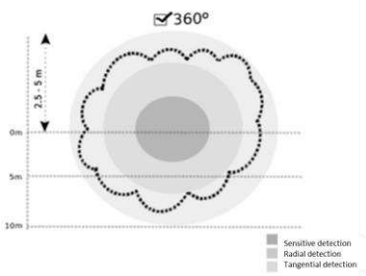
IK07

BY iMSENS®

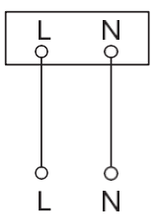
Technical Summary

Product code	iMSL 360º Venus E27 PMMA WHI - 818423
Sensor type	High Frequency
Power	60W/E27
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection Range	Max. 10m
Type of protection	IP44 / IK07
Twilight regulation	3 – 2000Lux (Adjustable)
Time adjustment	10seg a 12min
Ideal mounting height	2.5m - 5m Ceiling | 1.7m - 5m wall
Application	Ceiling and wall
Measures	Ø275mm
Certification	CE
Globe material	PMMA

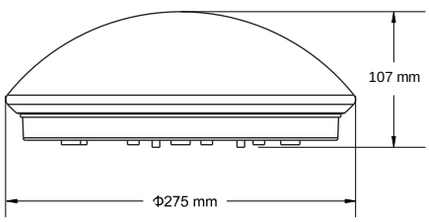
Detection Area



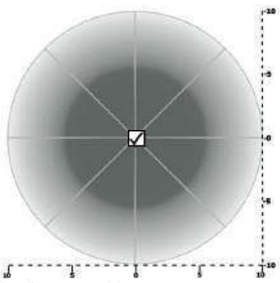
Connection Diagram



Technical Drawing



Detection Diagram



Technical Summary

Product code

Universal Range

iMSL Multi Ceres 12W -> 25W CCT PC WHI

LED spotlight with High Frequency sensor for ceiling or wall application.

The innovation is hidden inside the luminaire. With a high frequency sensor that turns the light on when you enter the detection area and off again when it is no longer needed. The sensor detects movement immediately through the movement of objects and/or people. It emits short-wave signals and then receives the echo reflected from the walls and adjacent objects. Any movement in the detection area is registered by the sensor in fractions of a second due to the change in the echo image and the light comes on immediately! After an individually adjustable time of inactivity, the light switches off automatically. It is a versatile luminaire in terms of its application, functionality and, above all, its energy efficiency. Technologically, you can change the color temperature in 3 scales: 3000K (warm white), 4000K (natural white) and 6000K (cool white), as well as changing the lighting power (12W, 18W or 25W) directly on the item.

Its improved design makes this ceiling light versatile in its installation and application for all kinds of uses.

It is an anti-vandal product that complies with the required safety standards and is therefore ideal for circulating areas, public areas. Includes a key for use with the vandal-resistant screws. It is a luminaire manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

HF

12W/18W/25W

LM
2800 lúmens

3000 Kelvin
4000 Kelvin
6000 Kelvin
CCT

360°

10m

10-100 (24H) lux

10s-15m

IP
65

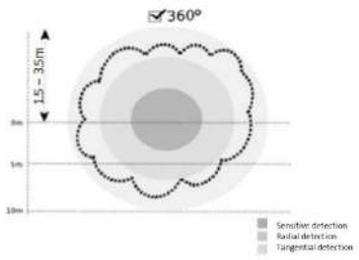
IK10

BY iMSENS®

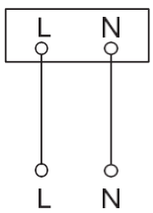
Technical Summary

Product code	iMSL Multi Ceres 12W -> 25W CCT PC WHI - 072679
Sensor type	High Frequency
Power	12W/18W/25W
Lúmens	2800lm – 112lm/W
Kelvin	3000K/4000K/6000K
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection Range	Max. 10m (2 | 5 | 8 | 10m) – Adjustable
Type of protection	IP65 / IK10
Twilight regulation	10|30 | 100 Lux (24H) – Adjustable
Time adjustment	10seg | 1,5 | 5 | 15min
Ideal mounting height	1.5m – 3.5m Ceiling| 2m - 3m wall
Application	Ceiling and wall
Measures	Ø300mm
Certification	CE
Globe material	PC

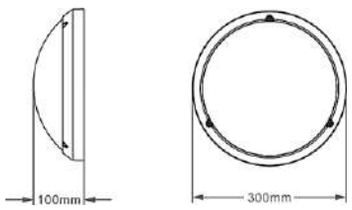
Detection Area



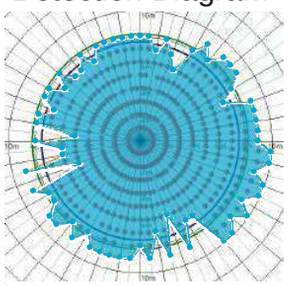
Connection Diagram



Technical Drawing



Detection Diagram



Technical Summary

Product code

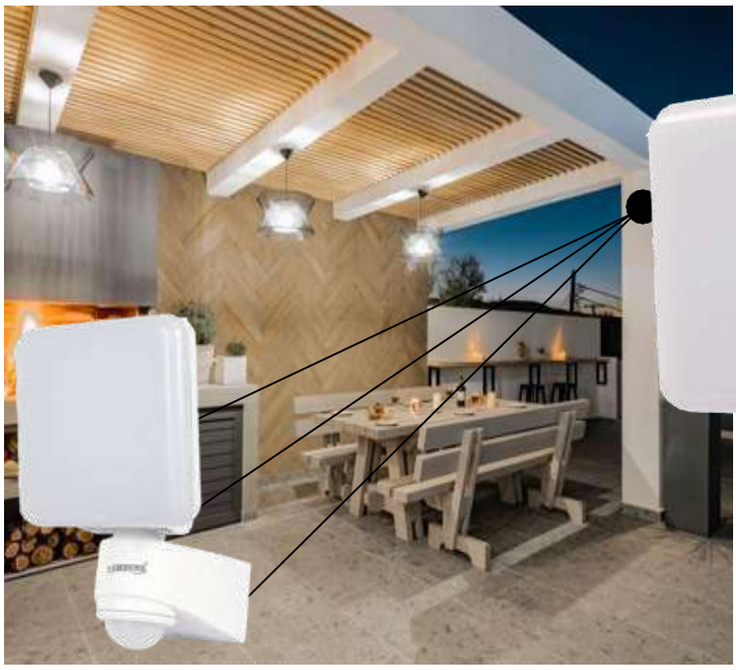
Lighting

BY iMSENS®

08.

Floodlights with and without sensor

iMSL Eris Led 10W WHI - 072129
iMSL Eris Led 10W BLK - 072136
iMSL Saturno Led 20W WHI - 072013 APP
iMSL Saturno Led 20W BLK - 072020 APP
iMSL Saturno Led 30W WHI - 072037 APP
iMSL Saturno LED 30W BLK - 072044 APP
iMSL Multi Mercury 20W WHI - 072549 V2
iMSL Multi Mercury 20W BLK - 072556 V2
iMSL Multi Mercury 30W WHI - 072563 V2
iMSL Multi Mercury 30W BLK - 072570 V2
iMSL Multi Mercury 50W WHI - 072587 V2
iSL Multi Mercury 50W BLK - 072594 V2
iMSL Multi Mercury 100W WHI - 072822
iMSL Multi Mercury 100W BLK - 072839
iMS 160° Multi Mercury WHI – 072600
iMS 160° Multi Mercury BLK - 072617



iMSL Eris Led 10W WHI / BLK

LED projector with infrared sensor for wall mounting.

The Eris projector with infrared sensor combines high-quality sensor technology with LED lighting. The system systematically proves that efficiency is a matter of technology: precisely 100% LED light, but only a third of the energy consumption compared to halogen projectors.

The Eris LED Floodlight 10W is equipped with 360° PIR (Passive Infra Red) technology that detects the invisible heat emitted by moving objects (people, animals, etc.). The heat is detected and electronically converted into a signal that turns on the projector. Heat is not detected through obstacles such as walls or glass panels. This sensor constantly monitors the predefined operating zone and immediately switches on the light when it detects movement in that area. This means that whenever movement is detected within the sensor's range, the light automatically turns on to illuminate paths, steps, patios, balconies or any selected area, for safety or convenience reasons. As long as there is movement within the sensor's range, the light will remain on.

Its versatility, with the ability to rotate the focus 360º horizontally and 90º vertically, allows it to be easy wall and ceiling installation.

It is a projector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

The projector is made from UV-resistant plastic, allowing it to last longer, durability.

PIR

10W

K
5000 Kelvin

LM
900 lúmens

360°

12m

3-2000 lux

10s-10m

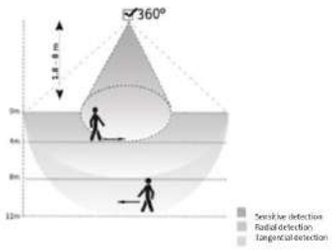
IP
54

IK05

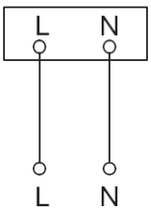
Technical Summary

Product code White	iMSL Eris Led 10W WHI - 072129
Product code Black	iMSL Eris Led 10W BLK - 072136
Sensor type	Infrared
Power	10W
Lúmens	900lm
Kelvin	5000K
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	360º
Detection Range	Max. 12m
Type of protection	IP54 / IK05
Twilight regulation	3 - 2000Lux (Adjustable)
Time adjustment	10seg a 10min
Ideal mounting height	1.8m - 8m
Application	Wall
Measures	230mm x 140mm
Certification	CE

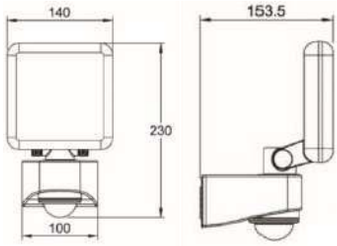
Detection Area



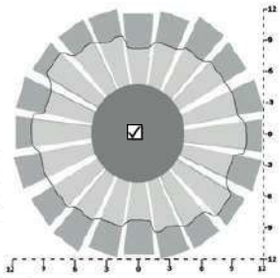
Connection Diagram

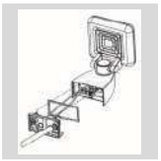


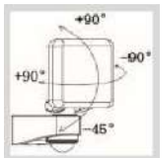
Technical Drawing



Detection Diagram







Technical Summary

White

Black

Product code

5 600244 072129

White

5 600244 072136

Black

Multi-PRO Range

iMSL Saturno Led 20/30W WHI / BLK

LED projector with infrared sensor for wall mounting.

The Saturn projector with infrared sensor combines highly reliable sensor technology with LED lighting. The system systematically proves that efficiency is a matter of technology: precisely 100% LED light, but only a third of the energy consumption compared to halogen floodlights. The energy savings are huge and the comfort provided by automated lighting control is feasible thanks to the combination of a sensor system and LED lighting. The Saturn LED Floodlight 20W or 30W with PIR technology constantly monitors the predefined operating zone and immediately switches on the light when it detects movement in that area. This means that whenever movement is detected within the sensor's range, the light automatically turns on to illuminate paths, steps, patios, balconies or any selected area, for safety or convenience reasons. As long as there is movement within the sensor's range, the light will remain on.

It works with potentiometers and via Bluetooth with the BYiMSENS® app. Using the app you can control the floodlight, turn it on permanently, turn it off, set parameters, etc. Its versatility in being able to rotate the focus 360º horizontally and 90º vertically makes it easy to install on walls and ceilings.

It is the ideal item for monitoring grounds, factories and outdoor installations, medium-sized façades, homes, outdoor leisure areas, etc. Its degree of protection protects it from the elements.

It is a floodlight manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

PIR

20W/30W

LM
1440 lúmens /
2160 lúmens

K
5000 Kelvin

130º

10m

0-100 lux

10s-4m

APP
BY iMSENS

IP
44

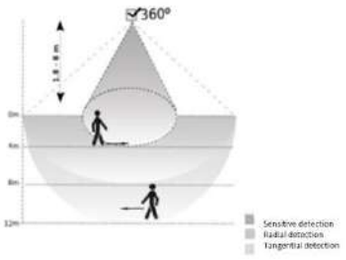
IK07

BY iMSENS®

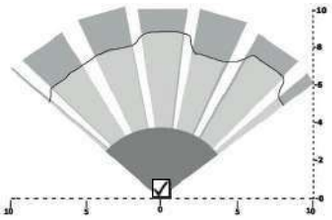
Technical Summary

Product code White	iMSL Saturno Led 20W WHI - 072013 APP iMSL Saturno Led 30W WHI - 072037 APP
Product code Black	iMSL Saturno Led 20W BLK - 072020 APP iMSL Saturno LED 30W BLK - 072044 APP
Sensor type	Infrared
Power	20W / 30W
Lúmens	1440lm / 2160lm
Kelvin	5000K
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	130º
Detection Range	Max. 10m
Type of protection	IP44 / IK07
Twilight regulation	0 - 100Lux (Adjustable)
Time adjustment	10seg a 4min
Ideal mounting height	1.8m - 8m
Application	Wall
Measures	190mm x 179mm
Certification	CE

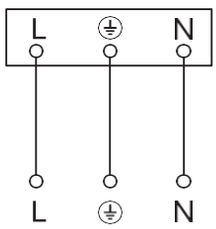
Detection Area



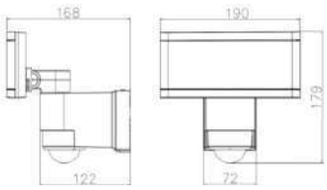
Detection Diagram



Connection Diagram



Technical Drawing



20W

Technical Summary

White 20W

Product code

5 600244 072013

White 20W

Black 20W

5 600244 072020

Black 20W

30W

Technical Summary

White 30W

Product code

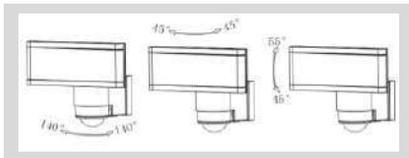
5 600244 072037

White 30W

Black 30W

5 600244 072044

Black 30W



iMSL Multi Mercury 20/30/50/100W WHI/BLK

LED floodlights for wall mounting. Possibility of attaching the iMS 160º Multi Mercury sensor.

The Multi Mercury Projector is a cast aluminum projector that has been electrostatically painted (as well as its accessories). It has a temperature sink, which allows the quality and durability of its LEDs to be preserved and, as a result, more profitability is obtained. It is available in white and black. It can work without and with a sensor (accessory). It is ideal for lighting both small and large areas, thanks to the 4 power levels available: 20W/30W/50W and 100W. It includes a wall bracket that allows the projector to be rotated 180º on its axis, both vertically and horizontally. The brightness temperature can be selected: 3000K (warm white), 4000K (natural white) and 6000K (cool white). It is therefore suitable for all needs.

The projector has an accessory that enables motion detection using infrared technology. This is the iMS 160º Multi Mercury sensor, which is purchased separately: ref. 072600 (white) and 072617 (black).

It is a projector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

It is the ideal item for monitoring grounds, factories and outdoor installations, façades, homes, outdoor leisure areas, among others.

20W/30W/
50W/100W

LM
2200 lúmens
3300 lúmens
5500 lúmens
11000 lúmens

3000 Kelvin
4000 Kelvin
6000 Kelvin
CCT

30 000H

IP
65

IK07

Technical Summary - 20W

Product code White	iMSL Multi Mercury 20W WHI - 072549 V2
Product code Black	iMSL Multi Mercury 20W BLK - 072556 V2
Power	20W
Lúmens	2200lm – 110lm/W
Kelvin	3000K/4000K/6000K
Voltage	220V/AC-240V/AC / 50HZ
Type of protection	IP65 / IK07
Application	Wall and ceiling
Measures	135mm x 85mm
Certification	CE

Technical Summary

White

Black

Product code

White

Black

Technical Summary - 30W

Product code White	iMSL Multi Mercury 30W WHI - 072563 V2
Product code Black	iMSL Multi Mercury 30W BLK - 072570 V2
Power	30W
Lúmens	3300lm – 110lm/W
Kelvin	3000K/4000K/6000K
Voltage	220V/AC-240V/AC / 50HZ
Type of protection	IP65 / IK07
Application	Wall and ceiling
Measures	135mm x 85mm
Certification	CE

Technical Summary

White

Black

Product code

White

Black

Technical Summary - 50W

Product code White	iMSL Multi Mercury 50W WHI - 072587 V2
Product code Black	iMSL Multi Mercury 50W BLK - 072594 V2
Power	50W
Lúmens	5500lm – 110lm/W
Kelvin	3000K/4000K/6000K
Voltage	220V/AC-240V/AC / 50HZ
Type of protection	IP65 / IK07
Application	Wall and ceiling
Measures	165mm x 105mm
Certification	CE

Technical Summary

White

Black

Product code

White

Black

Technical Summary - 100W

Product code White	iMSL Multi Mercury 100W WHI - 072822
Product code Black	iMSL Multi Mercury 100W BLK - 072839
Power	100W
Lúmens	11000lm – 110lm/W
Kelvin	3000K/4000K/6000K
Voltage	220V/AC-240V/AC / 50HZ
Type of protection	IP65 / IK07
Application	Wall and ceiling
Measures	280mm x 180mm
Certification	CE

Technical Summary

White

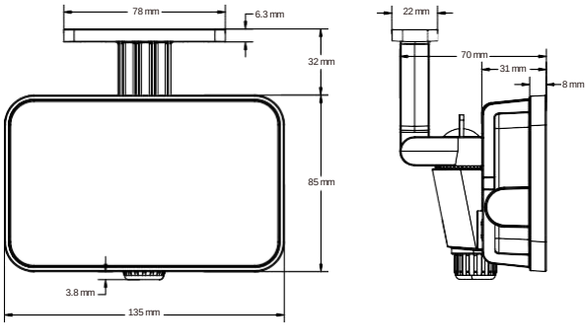
Black

Product code

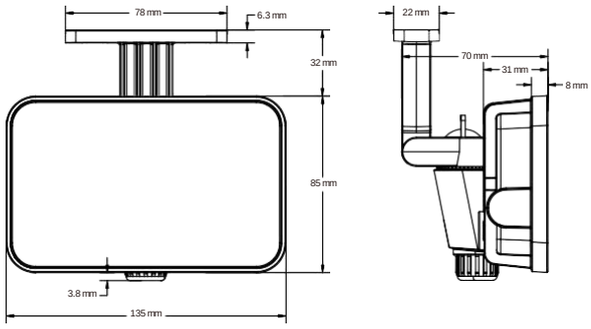
White

Black

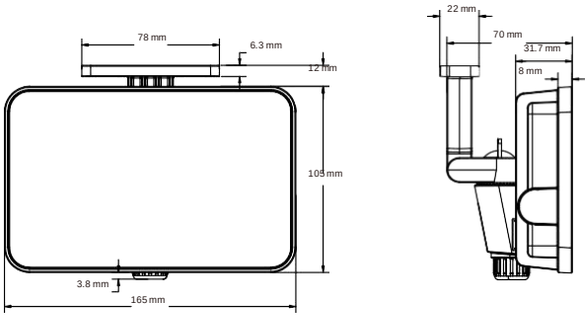
Technical Drawing - 20W



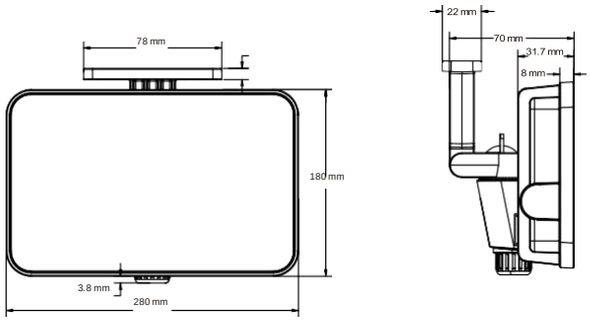
Technical Drawing - 30W



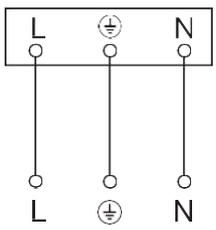
Technical Drawing - 50W

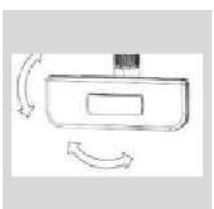


Technical Drawing - 100W



Connection Diagram





Multi-PRO Range

iMS 160º Multi Mercury WHI / BLK

Motion detector with infrared sensor (PIR), available in black and white for use as an accessory in Mercury 20W/30W/50W/100W floodlights.

PIR

100W

160º

13m

10-2000 lux

10s-7m

IP 65

The sensor can be oriented 360º. The detection range can be adjusted as required, but the orientation of the movement in the detection field has a major influence on sensitivity. It is a motion sensor with 160º PIR (Passive Infra Red) technology that detects invisible heat emitted by moving objects (people, animals, etc.). The heat is detected and electronically converted into a signal that turns on the projector. Heat is not detected through obstacles such as walls or glass panels. This sensor constantly monitors the predefined operating zone and immediately switches on the light when it detects movement in that area. This means that whenever movement is detected within the sensor's range, the light automatically turns on to illuminate paths, steps, patios, balconies or any selected area, for safety or convenience reasons.

It is the ideal item for monitoring grounds, factories and outdoor installations, among others.

It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

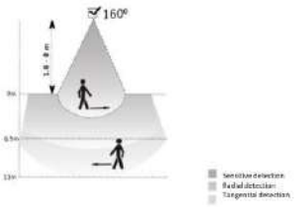
The detector is made from UV-resistant plastic, thus allowing it to last longer, durability.

BY iMSENS®

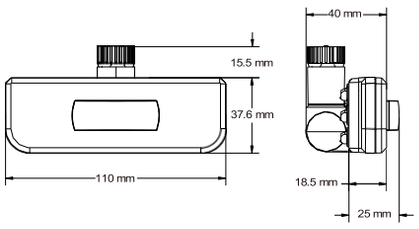
Technical Summary

Product code White	iMS 160º Multi Mercury WHI – 072600
Product code Black	iMS 160º Multi Mercury BLK - 072617
Sensor type	Infrared
Lens type	Multi lens - emits a greater number of beams per m²
Power	100W
Voltage	220V/AC-240V/AC / 50HZ
Detection angle	160º
Detection Range	Max. 13m
Type of protection	IP65
Twilight regulation	10 - 2000Lux (Adjustable)
Time adjustment	10seg a 7min
Ideal mounting height	1.8m - 8m
Application	Wall
Measures	110mm x 37.6mm
Certification	CE

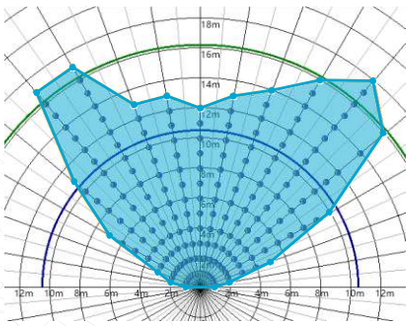
Detection Area



Technical Drawing



Detection Diagram



Technical Summary

White

Black

Product code

5 600244 072600

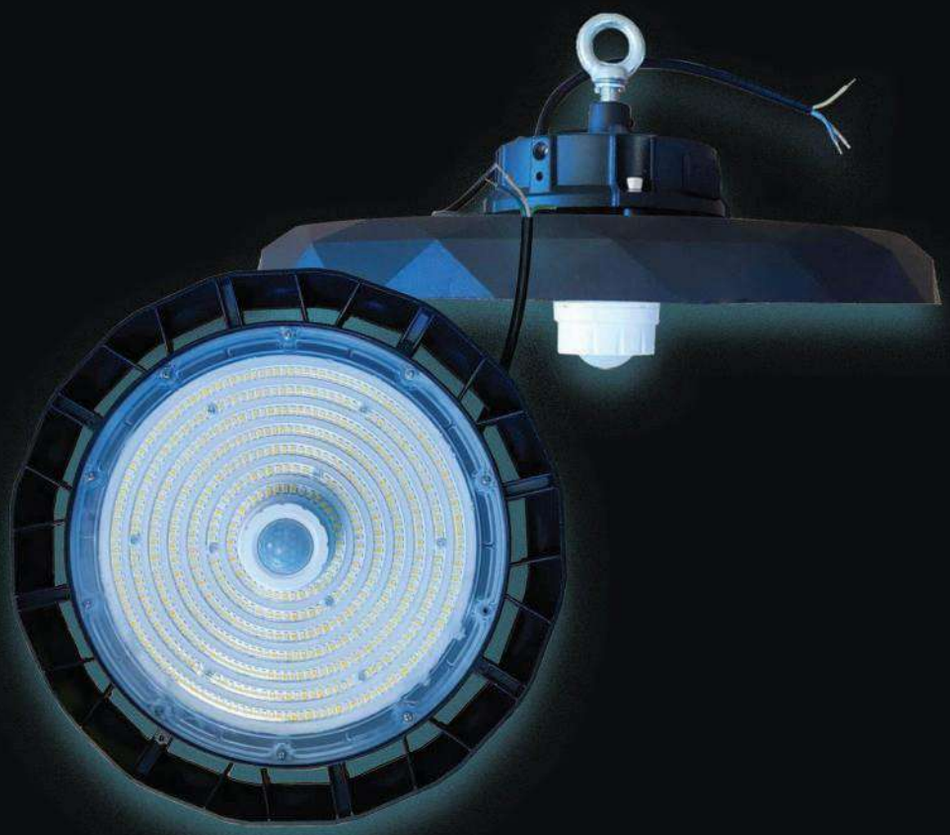
White

5 600244 072617

Black

Lighting

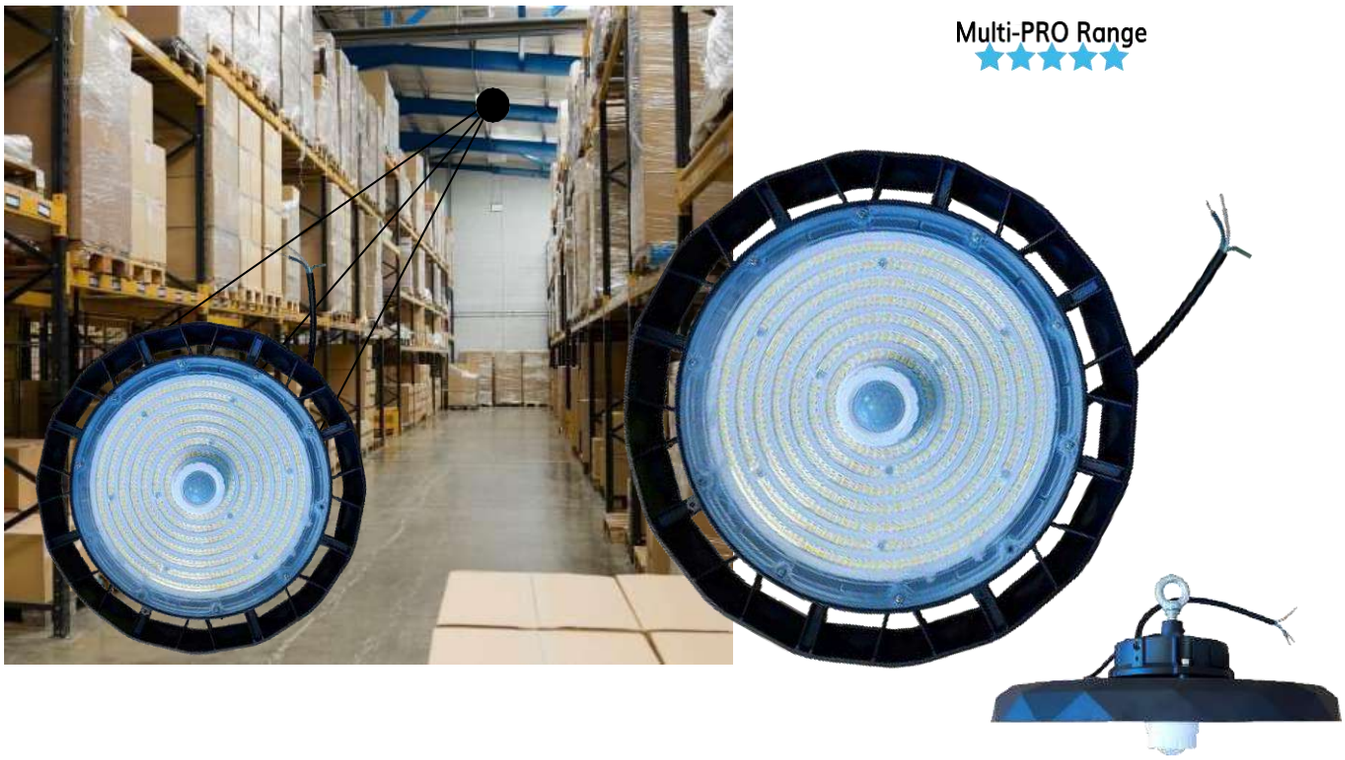
BY iMSENS®



09.

Highbay Lighting

iMSL Multi Earth 90W ->150W BLK - 072723
iMS 360° Multi Earth WHI - 072730 iC



Multi-PRO Range

iMSL Multi Earth 90W ->150W BLK

Highbay LED hood for ceiling application. Possibility of attaching the iMS 360º Multi Earth sensor.

90W / 120W
150W

LM
150lm/W

3000 Kelvin
4000 Kelvin
6000 Kelvin
CCT

50 000H

IP
65

IK10

The Multi Earth highbay's intelligent lighting system is designed to provide the necessary, homogeneous light over large areas and at great heights.

Its ergonomic design makes the product discreet. It is extra-flat and lightweight, which allows for quick and easy installation.

Technologically, the product makes it possible to set the lighting color (CCT) as well as the lighting power directly on the item.

It allows the use of the iMS 360º Multi Earth WHI - 072730 iC sensor (with in-red technology) (sold separately), making it a complete item and ideal for warehouses, industrial buildings, department stores, workshops, sports and recreational areas, supermarkets, or any other place where there is a need to provide perfect lighting that can be installed in a high ceiling location. The detector is programmed using the RC5 remote control (sold with the detector), which makes it even easier to use.

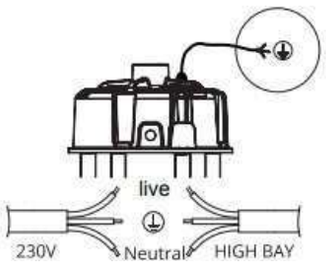
This hood is manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

BY iMSENS®

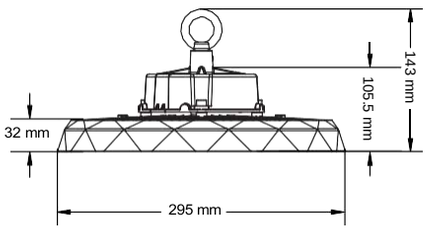
Technical Summary

Product code	iMSL Multi Earth 90W -> 150W BLK - 072723
Power	90W/120W/150W
Lúmens	150lm/W
Kelvin	3000K/4000K/6000K
Voltage	AC100-277V, 50/60Hz
Type of protection	IP65 / IK10
Protection Class	I
Ideal mounting height	12m
Application	Ceiling
Measures	Ø295mm
Certification	CE

Connection Diagram



Technical Drawing



Technical Summary

Product code

Multi-PRO Range

iMS 360º Multi Earth WHI

Motion detector with infrared technology (PIR), for use as an accessory in the iMSL Multi Earth 90W -> 150W BLK.

PIR

360°

8m

2-50 (24H) lux

5s-10m

Inc. RC5

IP 65

Motion detector with infrared technology (PIR), for use as an accessory in the iMSL Multi Earth 90W -> 150W BLK.

The infrared motion sensor allows you to save on energy consumption and be more sustainable. It has an IP65 degree of protection, perfect for outdoor and indoor use, exposed to humidity and high temperatures. It also includes a quick connector for easy and convenient installation, specifically for application in the iMSL Multi Earth 90W ->150W BLK.

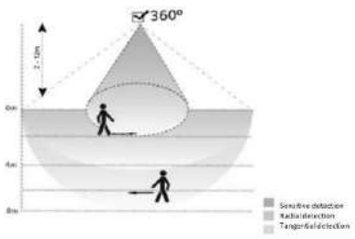
Together with this sensor, a remote control (RC5) is supplied which allows you to set various points: ON/OFF, resetting the detection range parameters, adjusting the ambient brightness parameter in the face of detection or disabling it, as well as timing it after the last movement.
It is a detector manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.
It is made from UV-resistant plastic, which means it lasts longer.

BY iMSENS®

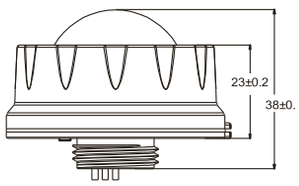
Technical Summary

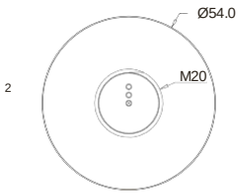
Product code	iMS 360º Multi Earth WHI - 072730 iC
Sensor type	Infrared
Voltage	12 VDC
Detection angle	360º
Detection range	8m
Type of protection	IP65 / IK07
Twilight regulation	2 | 10 | 50 Lux (24H) Adjustable
Time adjustment	5 seg a 10min
Ideal mounting height	12m
Application	Ceiling
Certification	CE
Command	Includes iMS RC5 remote control - 072747

Detection Area

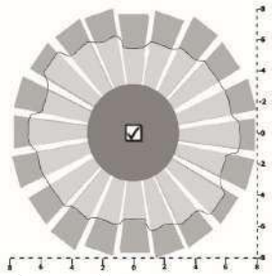


Technical Drawing





Detection Diagram



Technical Summary

Product code

5 600244 072730

Lighting

BY iMSENS®

10.

Solar Lighting with sensor

iMSL Solar Jupiter Silver - 072051

iMSL Solar Jupiter Silver

Solar LED wall light with infrared sensor.

The applique contains 4 LEDs (0.5W LED each). The motion sensor has PIR (infrared) technology and the battery is rechargeable lithium (3.7V, 2600mAh).

The sensor can be adjusted through 90º, allowing you to adjust and improve its detection performance and the detection area.

The solar cell is the main source of energy for the Jupiter Silver Solar App. It converts the energy from sunlight into electricity, which charges the battery in the main unit. Direct sunlight is required on the surface of the solar panel during the day.

You can adjust the angle of the solar panel so that it faces as much direct sunlight as possible. The battery can take approx. 3 days to fully charge. It will last 4 hours when operating in 100% light and approx. 40 hours on standby. It has 3 different programs: AUTO mode (the sensor is active, when it detects movement it switches the light on at 100%); 10% mode - (minimum light) when it detects movement it switches to 100%; OFF mode - it switches off. Its power is 2W, with 160 lumens and 5000 Kelvin.

It is the ideal item for lighting grounds, gardens, decks, passageways, etc. An aluminum pole can be attached (sold separately).

It is manufactured to exacting standards of high quality and performance, in order to achieve full energy efficiency while respecting the environment in its manufacturing process.

PIR

2W

LM
160 lúmens

K
5000 Kelvin

120º

8m

10 lux

10s

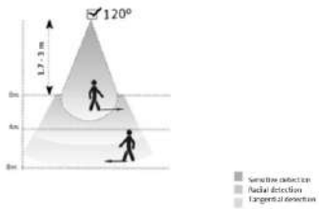
IP
44

IK05

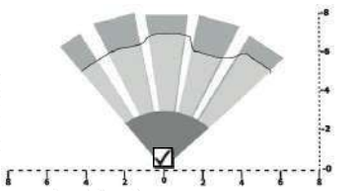
Technical Summary

Product code	iMSL Solar Jupiter Silver - 072051
Sensor type	Infrared
Power	2W
Lúmens	160lm
Kelvin	5000K
Voltage	3.7 V 260mAh Li-ion
Detection angle	120º
Detection range	Max. 8m
Type of protection	IP44 / IK05
Twilight regulation	10Lux
Time adjustment	10seg
Ideal mounting height	1.7m - 3m
Application	Wall
Measures	209mm x 168mm
Certification	CE
Post Code	iMSL Post For Solar Jupiter Silver - 072068 (sold separately)

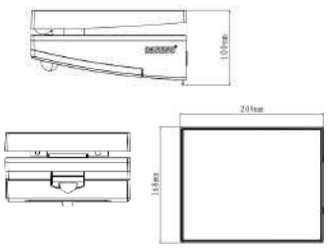
Detection area



Detection Diagram



Technical Drawing



Technical Summary

Solar Jupiter

Post Solar Jupiter

Product code

Solar Jupiter

Post Solar Jupiter

Matrix

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072037 APP	iMSL Saturno Led 30W WHI	Floodlights with and without sensor	90-91
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072051	iMSL Solar Jupiter Silver	Solar Lighting with sensor	106-107
072068	iMSL Post For Solar Jupiter Silver	Solar Lighting with sensor	106-107
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072105	iMSL 360° Neptuno Led 13W WHI	High Frequency sensor Lighting	80-81
072129	iMSL Eris Led 10W WHI	Floodlights with and without sensor	88-89
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072167	iMS M4-HF 360° WHI	High Frequency Motion Detectors	42-43
072174 V2	iMS 360° Emb Plan WHI	PIR Motion Detectors	10-11
072181	iMT AG 2000	Heat Guns	112-113
072198	iMT AG 2000 E	Heat Guns	114-115
072204	iMT AG 2000 LCD	Heat Guns	116-117
072211	iMT AG Scraping accessory kit	Accessories for Heat Guns	112-116
072228	iMT AG Scraper	Accessories for Heat Guns	112-116
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072242	iMT AG Surface nozzle	Accessories for Heat Guns	112-116
072259	iMT AG Reducer nozzle 9mm	Accessories for Heat Guns	112-116
072266	iMT AG Slot nozzle 9mm	Accessories for Heat Guns	112-116
072273	iMT AG Welding nozzle	Accessories for Heat Guns	112-116
072280	iMT AG Stainless steel reflector nozzle	Accessories for Heat Guns	112-116
072297	iMT GG 100	Glue Gun	118-119
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072310	iMT GG Nozzle 2mm diam | 4.5cm long	Glue Gun accessories	119
072327	iMT GG Glue sticks 11.2mm diam | 20cm long | 1Kg	Glue Gun accessories	119
072334 iC	iMS M4-Corridor WHI	PIR Motion Detectors	28-29
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072396	iMS 180° Mini BLK	PIR Motion Detectors	8-9
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072433	iMS Multi 360° WHI	PIR Motion Detectors	24-25

Matrix

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072471 V2 C	iMS Multi-3 360° WHI	PIR Motion Detectors	38-39
072488 iC	iMS Multi-4 360° Presence WHI	Presence Detectors	48-49
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072501 C	iMS Multi-3 360° Dali2 Dim Presence WHI	Presence Detectors	56-57
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072549 V2	iMSL Multi Mercury 20W WHI	Floodlights with and without sensor	92-93
072556 V2	iMSL Multi Mercury 20W BLK	Floodlights with and without sensor	92-93
072563 V2	iMSL Multi Mercury 30W WHI	Floodlights with and without sensor	92-93
072570 V2	iMSL Multi Mercury 30W BLK	Floodlights with and without sensor	92-93
072587 V2	iMSL Multi Mercury 50W WHI	Floodlights with and without sensor	92-93
072594 V2	iMSL Multi Mercury 50W BLK	Floodlights with and without sensor	92-93
072600	iMS 160° Multi Mercury WHI	Floodlights with and without sensor	96-97
072617	iMS 160° Multi Mercury BLK	Floodlights with and without sensor	96-97
072624	iMS 360°-1 WHI	PIR Motion Detectors	22-23
072631 C	iMS M4-2 200°/360° WHI	PIR Motion Detectors	30-31
072648	iMS Multi Corridor WHI	PIR Motion Detectors	36-37
072655 C	iMS 200° AP/UP IP65 WHI	PIR Motion Detectors	18-19
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072730 iC	iMS 360° Multi Earth WHI	Highbay Lighting	102-103
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072815 C	iMS Multi-3 360° 0-10V Dim Presence WHI	Presence Detectors	54-55
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818423	iMSL 360° Venus E27 PMMA WHI	High Frequency sensor Lighting	82-83
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818461 iC	iMS M4-4 360° Presence WHI	Presence Detectors	46-47
818478	iMS Alpha Twilight WHI	Twilight Photocells	68-69
818485	iMS 360° HF Int. WHI	High Frequency Motion Detectors	40-41

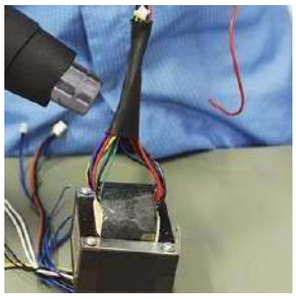
Hot Air Guns, Glue Guns and Screwdrivers

iMTOOLS®

Pictogram legend

	Max. motor power
	Voltage
	Type of thermal element material
	Type of thermal element material
	Air flow - air flow
	Temperature
	Glue sticks

	Battery voltage
	Wrist rotation
	Charge level indicator
	Revolutions per minute
	LED indicator light
	Soft grip
	Reversible



iMT AG 2000

Heat gun with two heat settings and airflow for most jobs indoors and outdoors.

The blower is designed to facilitate paint stripping, pipe handling and working, PVC shrinking, plastic welding and bending, as well as for general drying and defrosting purposes. The air temperature can be adjusted to suit a wide range of applications.

Program I: Facilitates work that is carried out at maximum temperatures of up to 450º and with an air flow of up to 300l/min.

Program II: Allows work to be carried out at temperatures of up to 600º and an air flow of 500l/min. This blower has an ergonomic, lightweight design, with handle protection, designed essentially for do-it-yourself jobs that don't require continuous hours of operation, as its resistance is made of mica.

In order to complement and facilitate the objectives of carrying out precision work, there is a set of accessories that can be attached.

2000W

220-240V

MICA

I: 300l/min
II:500l/min

I: 450ºC
II:600ºC

ON
I
II

Technical Summary

Product code	iMT AG 2000 - 072181
Power	2000W
Voltage	220-240V AC
Temperature regulation	2 levels
Levels	I, II
Temperature	I – 450ºC / II – 600ºC
Air flow	300l/min / 500l/min
Thermal element	Mica
Durability of the thermal element	100 Hours
Power cable length	200cm
Measures	23.5cm x 8.5cm x 24cm
Certification	CE

Accessories

iMT AG Reducer nozzle 9mm - 072259

iMT AG Surface nozzle - 072242

iMT AG Welding nozzle - 072273

iMT AG Slot nozzle 9mm - 072266

iMT AG Stainless Steel Reflector Nozzle - 072280

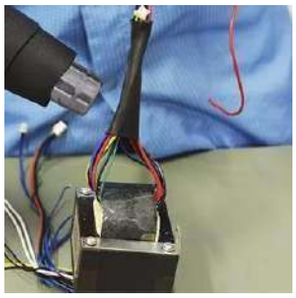
iMT AG Stainless iron reflector nozzle - 072235

iMT AG Scraper 072228

iMT AG Scraping Acesso-ry Kit - 072211

Technical Summary

Product code



iMT AG 2000 E

Powerful, electronically controlled hot air blower with temperature control, independent of air flow control.

Professional tool with high-quality raw materials for practically all hot air applications. The switch for adjusting the temperature and air flow is conveniently manipulated on the handle, using just one hand.

The blower is intended to facilitate paint stripping, pipe handling and working, PVC shrinking, plastic welding and bending, copper and tin soldering as well as for general drying and defrosting purposes.

The air temperature can be adjusted to suit a wide range of applications.

It has 3 different programs:

Program I - This is used for work up to 50ºC. The air flow setting is 250l/min.

Program II - Facilitates work carried out at temperatures between 50 and 600 ºC. The air flow regulation allows for a flow rate of 250l/min and is independent.

Program III - Allows work to be carried out at temperatures of up to 600ºC. The air flow regulation allows a flow rate of 500l/min.

2000W

220-240V

CERAMIC

I: 250l/min
II:250l/min
III:500l/min

I: 50ºC
II: 50-600ºC
III: 50-600ºC

1/2/3
4/5/6
7

Technical Summary

Product code	iMT AG 2000 E - 072198
Power	2000W
Voltage	220-240V AC
Temperature regulation	7 phases
Levels	I, II, III
Temperature	I – 50ºC / II – 50-600ºC / III – 50-600ºC
Air flow	250l/min / 500l/min
Thermal element	Ceramic
Durability of the thermal element	650 hours
Power cable length	200cm
Measures	29cm x 9.2cm x 26.8cm
Certification	CE

Accessories

iMT AG Reducer nozzle 9mm - 072259

iMT AG Surface nozzle - 072242

iMT AG Welding nozzle - 072273

iMT AG Slot nozzle 9mm - 072266

iMT AG Stainless Steel Reflector Nozzle - 072280

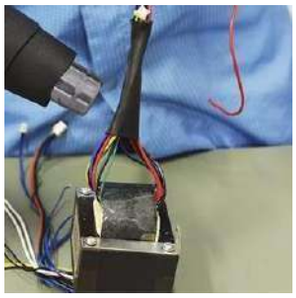
iMT AG Stainless iron reflector nozzle - 072235

iMT AG Scraper 072228

iMT AG Scraping Acesso-ry Kit - 072211

Technical Summary

Product code



iMT AG 2000 LCD

Top-of-the-range microprocessor-controlled hot air blower with temperature control on the LCD display and air flow control.

It is the top of the line in terms of versatility, durability and ergonomics. The extremely high power reserves, strong airflow and high-quality raw materials exceed all expectations. The LCD display is integrated into the back, so it is always in view.

The blower is designed to facilitate paint stripping, pipe handling and working, PVC shrinking, plastic welding and bending, working with leather, synthetic materials and all materials that require precise regulation of air flow and temperature as well as for general drying and defrosting purposes.

The air temperature can be adjusted to suit a wide range of applications. The blower has an LCD and a touch selector. Next to the display there are 6 adjustment buttons. Two of the buttons allow you to fluctuate the temperature. Two other buttons allow you to increase or decrease the air flow and the other two are for parameterizing the memories.

2000W

220-240V

CERAMIC

I: 250l/min
II:500l/min

I: 50ºC
II: 50-650ºC

1: 150ºC
2: 200ºC
3: 300ºC
4: 400ºC

Technical Summary

Product Code	iMT AG 2000 LCD - 072204
Power	2000W
Voltage	220-240V AC
Temperature Regulation	4 memorizable programs
Levels	I, II
Temperature	I – 50ºC / II – 50-650ºC
Air flow	250-500l/min / 250-500l/min
Thermal element	Ceramic
Thermal element durability	650 hours
Power cable length	200cm
Measures	29cm x 9.2cm x 26.8cm
Certification	CE

Accessories

iMT AG Reducer nozzle 9mm - 072259

iMT AG Surface nozzle - 072242

iMT AG Welding nozzle - 072273

iMT AG Slot nozzle 9mm - 072266

iMT AG Stainless Steel Reflector Nozzle - 072280

iMT AG Stainless iron reflector nozzle - 072235

iMT AG Scraper 072228

iMT AG Scraping Acesso-ry Kit - 072211

Technical Summary

Product Code

iMT GG 100

Economical, high-capacity, electronically controlled glue gun for both DIY and professional use.

This gun is designed for gluing work on different surfaces, such as wood, plastics, foam, fabrics, paper, cardboard, ceramics, electrical cables, etc.
Its simplicity of use makes this device the right choice for those who need to work perfectly.
Product advantages: high melting capacity, possibility of replacing nozzles, gun support during rest phase.
It has overheating protection, preventing overheating of the fuse installed near the heating components.
It has 1 on/off button with a safety light indicator.
Allows you to replace the glue outlet nozzles after they wear out (accessory sold separately).
Ergonomic, compact and solid body, made of heat-resistant and anti-vibration plastics.

100W
(Max. 300W)

220-240V

100-200°C

Ø11.2mm
14-30g/min

Technical Summary

Product Code	iMT GG 100 - 072297
Power	100W (Max 300W)
Voltage	220-240V AC
Warm-up Period	3 – 5 min
Definite Time	10 – 20 seg
Melting Temperature	80ºC
Operating Temperature	100 – 200ºC
Glue debit	14 – 30 gr/min
Measures	23.5cm x 8.5cm x 24cm
Certification	CE

Accessories

iMT GG Glue Sticks 11.2mm diam | 20cm long | 1kg - 072327

Ø11.2mm / 20cm length / 1KG / Material: ethylene vinyl acetate mixture 60-80% / copolymers / hydrogenated hydrocarbon resin 20-40%

iMT GG Nozzle 3mm diam | 5cm long - 072303

Ø3mm / 5cm length / material: copper

iMT GG Nozzle 2mm diam | 4.5cm long - 072310

Ø2mm / 4.5cm length / material: copper

Technical Summary

Product Code

iMT CS 3.6V KIT

Cordless screwdriver ideal for any application, as its rotation facilitates different uses.

Cordless screwdriver with ergonomic design, integrated LED light, with left and right rotation, for screwing and unscrewing, and can be transformed from a tubular screwdriver to a pistol-shaped screwdriver.

Thanks to the modern lithium-ion battery, weight reduction and the ability to recharge the battery at any time without loss of capacity are achieved.

Its simplicity of use makes this device the right choice for those who need to work perfectly.

With a lightweight grip, adjustable 180º to any workspace. Contains an LED to illuminate the work area.

iMTOOLS cordless screwdrivers are not only powerful, but also set standards in terms of size and weight. They convince thanks to their ideal weight, robustness and long battery capacity.

3,6V
Li-ion

SOFT GRIP

LED

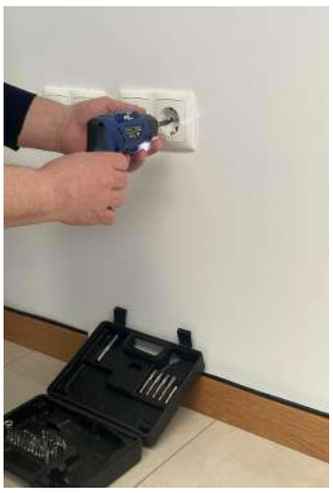
180°
Ajust. 180º

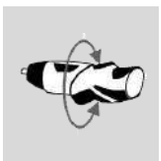
3 - LED

RPM
230rpm

Technical Summary

Product Code	iMT CS 3.6V KIT - 072372
Weight	0.35 Kg / 1.25 Kg
Supply Voltage	3.6V Li-ION
Charge level indicator	Yes – LED – 3 steps
Speed	230 rpm
Maximum strength	4.5Nm
Charging Time	3 – 5horas
Adjustable Cuff	Swivel 180º
Suitcase	Includes accessories (45 pieces)
Certification	CE





Technical Summary

Product Code

Notes

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Take your project to the next level with DALI-2 lighting control

DALI-2 BLUETOOTH

DALI-2 Detectors

Article	Installation	Detection angle	Detection range	Installation height	Twilight regulation	Time adjustment	Zones*	N° DALI Devices	IP	Bluetooth
353-650321 Presence detector P47MR, DALI-2, master	Recessed	360º	12m	2 - 3.5m	20 - 2000 lux	30s - 2h ∞	3	64	IP20	Yes
353-651321 Presence detector P47MR, DALI-2, master, (SnapFit)	Recessed	360º	12m	2 - 3.5m	20 - 2000 lux	30s - 2h ∞	3	64	IP20	Yes
353-651421 Presence detector P48MR, DALI-2, Master, SnapFit	Recessed	360º	12m	2 - 3.5m	20 – 2000, ∞ lux	30s – 2h ∞	4	64	IP20	Yes
353-652321 Presence Detector P47MR, DALI-2, master	Surface	360º	12m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	3	64	IP54	Yes
353-750321 Presence detector P47LR, DALI-2, master	Recessed	360º	37m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	3	64	IP20	Yes
353-751321 Presence detector P47LR, DALI-2, master (SnapFit)	Recessed	360º	37m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	3	64	IP20	Yes
353-752321 Presence detector P47LR, DALI-2, master	Surface	360º	37m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	3	64	IP54	Yes
353-652421 Presence detector P48MR, DALI-2, master	Surface	360º	12m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	3	64	IP54	Yes
353-751421 Presence detector P48LR, DALI-2, master (SnapFit)	Recessed	360º	37m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	4	64	IP20	Yes
353-752421 Presence detector P48LR, DALI-2, master	Surface	360º	37m	2 – 3.5m	20 – 2000 lux	30s – 2h ∞	4	64	IP54	Yes
353-852411 Motion detector M48HC, DALI-2, master	Surface	360º	53m	4 – 12m	20 – 2000 lux	30s – 2h ∞	4	64	IP54	Yes

Article		Installation	Angle of Detection	Detection Range	Installation Height	Twilight regulation	Time adjustment	Zones*	N° DALI Devices	IP	Blue-tooth
	353-650021 Presence detector P46MR, DALI-2, Slave - BMS	Recessed	360º	12m	2 - 3.5m	0 – 10360 lux	-	-	-	IP20	Yes
	353-651021 Presence detector P46MR, DALI-2, Slave - BMS,(SnapFit)	Recessed	360º	12m	2 - 3.5m	0 – 10360 lux	-	-	-	IP20	Yes
	353-652021 Presence detector P46MR, DALI-2, Slave - BMS	Surface	360º	12m	2 - 3.5m	0 – 10360 lux	-	-	-	IP54	Yes
	353-750021 Presence detector P46LR, DALI-2, Slave - BMS	Recessed	360º	37m	2 – 3.5m	0 – 10360 lux	-	-	-	IP20	Yes
	353-751021 Presence detector P46LR, DALI-2, Slave – BMS (SnapFit)	Recessed	360º	37m	2 – 3.5m	0 – 10360 lux	-	-	-	IP20	Yes
	353-752021 Presence detector P46LR, DALI-2, Slave - BMS	Surface	360º	37m	2 – 3.5m	0 – 10360 lux	-	-	-	IP54	Yes
	353-852011 Motion detector M46HC, DALI-2, Slave - BMS	Surface	360º	53m	4 – 12m	0 – 10360 lux	-	-	-	IP54	Yes

* Lighting Switching Zones

DALI-2 Accessories

Accessories

310-02310
DALI-2 Relay Module for Flush Mounting

This relay module allows you to control non-adjustable 230V loads via a DALI bus. Allows lighting ballasts without a DALI interface to be turned on and off by DALI commands. The maximum switching current

of the relay module is 4A. The service life of the integrated relay contact is extended by “zero-cross” switching technology. The relay module meets DALI requirements of IEC 62386 parts 102 (control equipment) and 208 (DALI type 7 device). DALI addressing and configuration are performed via the Niko detector application. The DALI relay module is directly connected to the DALI bus and is powered by it. Note that a separate power supply is required for the DALI bus. The relay module is suitable for flush mounting

310-02320
DALI-2 Modular Relay Module

This modular relay module allows you to control 230V non-dimmable loads via a DALI bus. Allows lighting ballasts without a DALI interface to be turned on and off by DALI commands. The maximum switching current of the relay module is 8A. The service life of the integrated relay contact is extended by zero-cross switching technology. The relay module meets DALI requirements of IEC 62386 parts 102 (control equipment) and 208 (DALI type 7 device). DALI addressing and configuration can be performed via the sensor's Niko app. The DALI relay module is directly connected to the DALI bus and is powered by it. Please note that a separate power supply is required for the DALI bus. The DALI-2 relay module is mounted on a DIN rail in an electrical distribution board.

310-02400
DALI-2 Modular Relay Module

This DALI bus power supply unit is used to supply power to a DALI line with a guaranteed supply current of 30 mA. Make sure that the guaranteed supply current of the power supply unit exceeds the current consumption of all bus devices. The DALI bus power supply unit is powered at 230 Vac. It has surge immunity (IEC61000-4-5) up to 2000 V and explosion immunity (IEC61000- 4-4) up to 4000 V. The DALI bus power supply unit is suitable for flush mounting. Check your dimensions to select the appropriate flush mount box.

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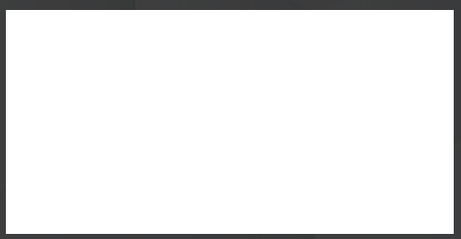
KNX Detectors

KNX Detectors

Article	Installation	Detection angle	Detection range	Installation height	Twilight regulation	Time adjustment	Lighting switching zones	IP
350-34001 Detector of presence, KNX®, 5 channels, 7 – 8 m, IP54, mini	Recessed	360º	10m	2 - 4m	10 - 2000 lux	1s - 18h	5	IP20
350-34002 Presence detector P34MR, KNX®, 5 channels	Recessed	360º	10m	2 - 4m	10 - 2000 lux	30s - 18h	5	IP20
350-34003 Motion detector M34LR, KNX®, 5 channels	Recessed	360º	41m	2 – 3m	10 - 2000 lux	30s - 18h	5	IP20
350-34013 Motion detector M34LR, KNX®, 5 channels	Recessed	360º	41m	2 – 3m	10 - 2000 lux	30s - 18h	5	IP54
350-34004 Motion detector M34HC, KNX®, 5 channels	Recessed	360º	29m	2 – 10m	10 - 2000 lux	30s - 18h	5	IP20
350-34014 Motion detector M34HC, KNX®, 5 channels	Recessed	360º	29m	2 – 10m	10 - 2000 lux	30s - 18h	-	IP20
350-530311 Motion detector, KNX®, 2 channels	Surface	360º	40m	2 – 2.5m	10 - 2000 lux	30s – 1h	2	IP54
350-213001 Motion detector, KNX®, 5 channels	Surface	360º	16m	2 – 3m	5 – 2000 lux	5s – 1h	5	IP54

Notes

Notes



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