



Commercial Sensor Guide 2022





Steinel - Building Intelligence **New Business Opportunities**

For over 60 years, STEINEL has been inventing and developing technological products that are far ahead of their time and can change entire markets. Today, this tradition is alive more than ever. Innovative inventions in harmony with human needs. For us, STEINEL is a model for the future, with a history. We call it: the inventors' company



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Special attention should be paid to high levels of vibration and / or air flow, extreme temperature conditions and unusually low level of activity. These issues may help identify the technology solution required.

NOTE: Sensor should be positioned at least 1.5m away from any Wi-Fi router location



ESC Code: 010492

Perfect Solution for High Ceilings

Surveillance on the highest level. Infrared motion detector IS 345 MX Highbay is well suited to high ceilings in depots, high-bay warehouses, machine shops, check-in areas and departure lounges. Available as square surface-mounted and concealed version.

Scan Here



Ideal Application:

- High Bay Warehouse
- Long Aisles
- High Ceilings

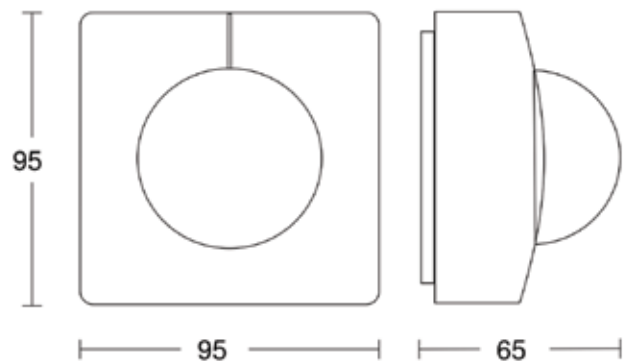


Dimensions (mm)	65 x 95 x 95
Detection Area	30 x 4m (120m²)
IP Rating	IP54
Max. Reach	30 x 4m
Delay Time	5 Sec - 15 Min
Mounting Height	4.0 - 14.0m
Light Level Settings	2 - 1000 lx
Mounting	Surface Mount
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

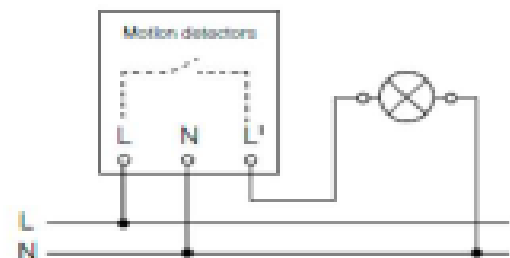
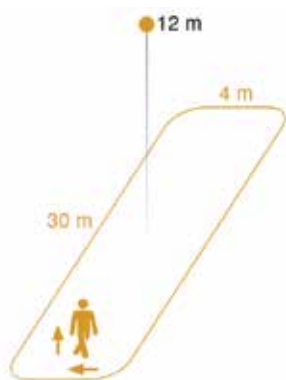
Max. Load on Switched Relay Output (L')

GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Wiring Schematic: On / Off - Light Switch



Infrared Sensor
360°



Max. 30 x 4m



2000W Max



IP54



2 x 1000 lux



5 Sec - 15 Min



Ideal 4-14m



Teach Mode



Energy Saving



ESC Code: 010485

Pioneering Sensor Technology. Targeted Detection

Aisles and long corridors place special demands on sensor performance. The detection area of the sensor must not only be narrow, but also long. Tried and proven, the IS 345 is specially designed for detection in corridors, as its narrow 45° aperture angle gives it the ability to watch over areas of up to 23 x 6 metres tangentially.

Scan Here



Ideal Application:

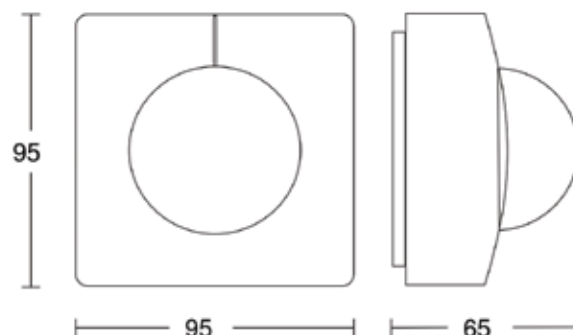
- Corridor
- Aisle
- Underground Carpark
- Outdoors and Indoors



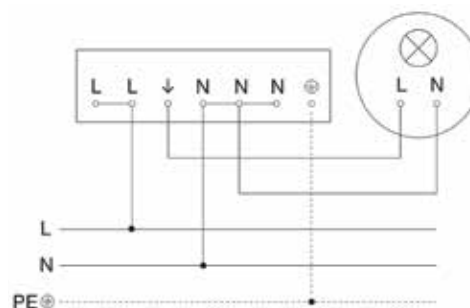
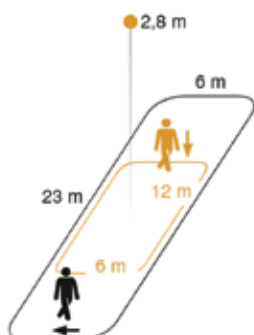
Dimensions (mm)	65 x 95 x 95
IP Rating	IP54
Max. Reach	23 x 6m
Delay Time	5 Sec - 15 Min
Mounting Height	2.5 - 5.0m
Light Level Settings	2 - 1000 lx
Mounting	Surface Mount
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



Infrared
Sensor
360°



Max. 23m
x 6m

2000w

2000 W Max



IP54



2 - 1000 lux



5 Sec - 15 Min



Manual
Override



Ideal 2.5 - 5m

TEACH

Teach Mode



Energy Saving

OPEN SPACE AREAS 4 -12m Motion Detectors - IS 3360 MX Highbay



ESC Code: 033569

Powerful Reach and Reliable

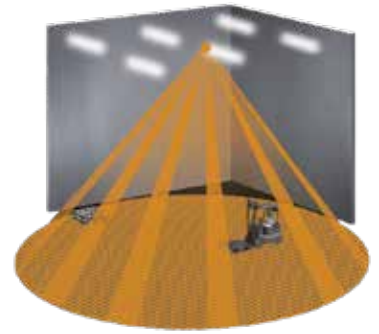
With a head for heights, the IS 3360 MX Highbay motion detector can mount to heights of 14m. This sensor is perfect for high ceilings in industrial buildings or commercial properties. The IS 3360 is a high-precision 360° infrared sensor with a reach of 18m and covers up to 1000 m². Available as square surface-mounted and concealed version.

Scan Here



Ideal Application:

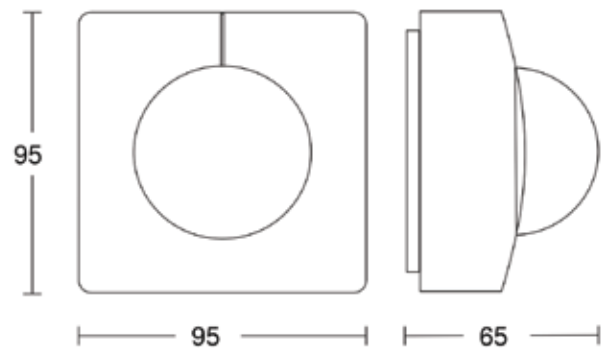
- Open Space Area
- High-bay Warehouse
- Sports Hall
- Indoors



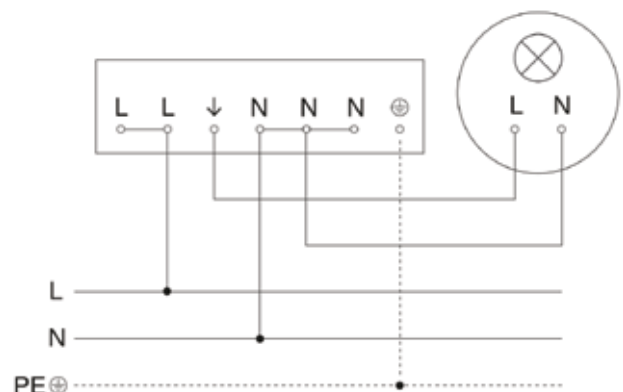
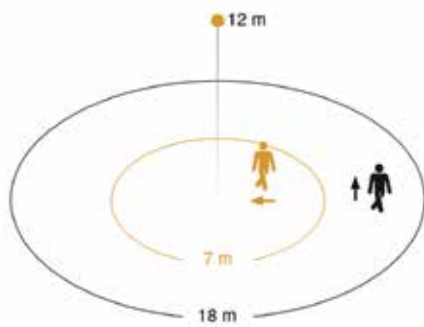
Dimensions (mm)	65 x 95 x 95
Detection Area	Open Area - High Ceilings
IP Rating	IP54
Max. Reach	18m Radius
Delay Time	5 Sec - 15 Min
Mounting Height	4.0 - 14.0m
Light Level Settings	2 - 1000 lx
Mounting	Surface Mount
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



Infrared
Sensor
360°



Max. 18m



2000 W Max



IP54



2 - 1000 lux



5 Sec - 15 Min



Manual
Override



Ideal 4.0 - 14m



Teach Mode



Energy Saving



ESC Code: 010478

Higher, Further, Faster

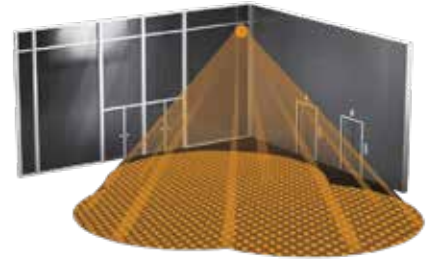
Infrared motion detector IS 3360 is perfect for watching over large areas, such as multi-storey and underground car parks. Mounts at 4m with a 360° angle of coverage and a reach 20m max. (tangential). Available either in round or square surface-mounted and concealed version.

Scan Here



Ideal Application:

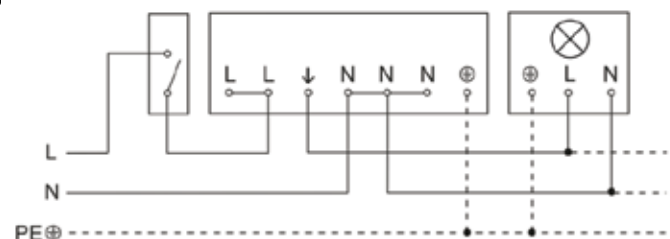
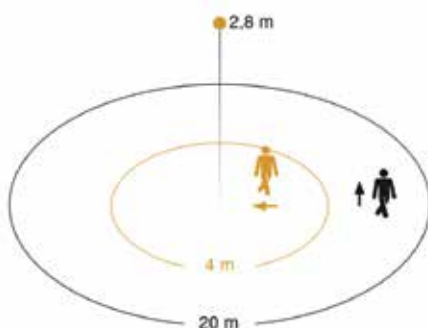
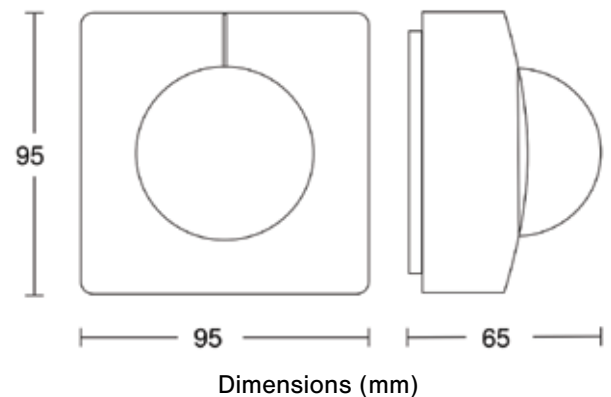
- Warehouse
- Recreation Room
- Underground Carpark
- Indoors and Outdoors



Dimensions (mm)	65 x 95 x 95
Detection Area	Open Area - Low Ceilings
IP Rating	IP54
Max. Reach	20m Radius
Delay Time	5 Sec - 15 Min
Mounting Height	2.5 - 4.0m
Light Level Settings	2 - 1000 lx
Mounting	Surface Mount
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali Plus, Dali2, KNX



Master Circuit Diagram



Infrared
Sensor
360°



Max. 20m

2000W

2000 W Max



IP54



2 - 1000 lux



5 Sec - 15 Min



Manual
Override



Ideal 2.5 - 4m

TEACH

Teach Mode



Energy Saving

INDIVIDUAL OFFICES Presence Detector - IR Quattro MICRO



ESC Code: 053789

Small, Precise and Effective.

Specified by planners and architects, the IR Quattro MICRO is small in size with a low profile design, making it perfect for applications where obtrusive installations on the ceiling are to be avoided. The micro-precision lens measures just 15 x 15mm, but its performance is nevertheless stunning. The 360° infrared presence detector detects 36m², while the IP65 classification lets you install it in areas that are subject to moisture.

Scan Here



Ideal Application:

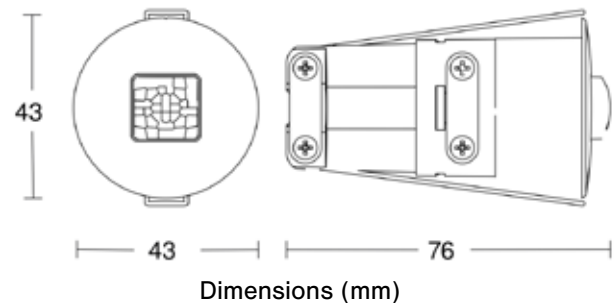
- Individual Offices
- Shower
- Wet Rooms
- Restrooms



Dimensions (mm)	Ø43 x 76
Detection Area	Smaller Areas
IP Rating	IP65
Max. Reach	6m x 6m
Delay Time	5 Sec - 60 Min
Mounting Height	2.0 - 5.0m
Light Level Settings	2 - 1000 lx
Mounting	Recessed Mount
Cut Out (mm)	Ø35
Warranty	5 Years
Settings	Smart Remote / RC8
Technology	Passive Infrared

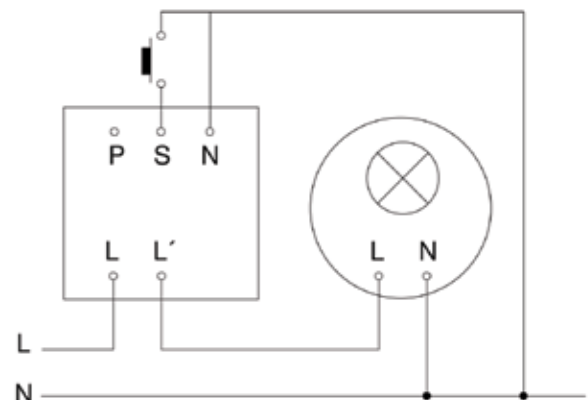
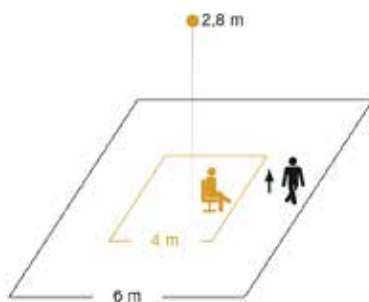
Max. Load on Switched Relay Output (L')	
GLS	1000W
LED	600W

Types Available: Dali2, KNX



Dimensions (mm)

Note: Smart Remote as accessory available - 009151



Master Circuit Diagram



Infrared
Sensor
360°



Max. 6 x 6m
Motion

1000w

1000 W
Max



Ideal 2.0 - 5.0m



IP65



2 - 1000 lux



5 Sec - 60 min



ESC Code: 002794

Required Accessory (Only One Required)



000370



000363

The Finest Detection

Presence Control PRO IR Quattro HD COM1 Infrared presence detector is perfect for medium to large sized offices, conference and meeting rooms, classrooms, lecture theatres, sports halls, and warehouses. With an installation height of up to 10m and offering a massive 4800 switching zones, choose IR Quattro HD for the ultimate in presence detection over a mechanically scalable 64m² detection zone.

Scan Here



Ideal Application:

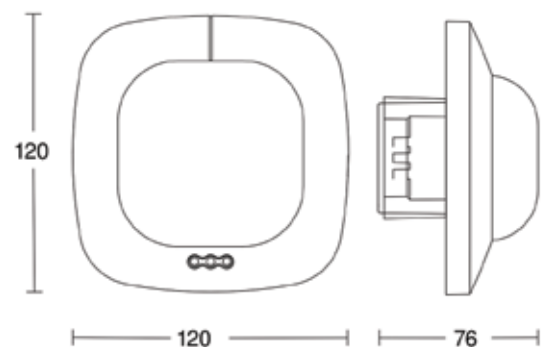
- Classrooms
- Open Plan Offices
- Reception / Lobby
- High Bay Warehouse



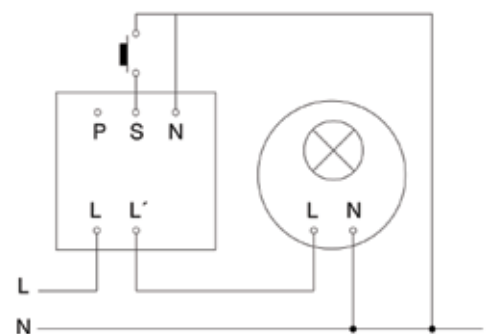
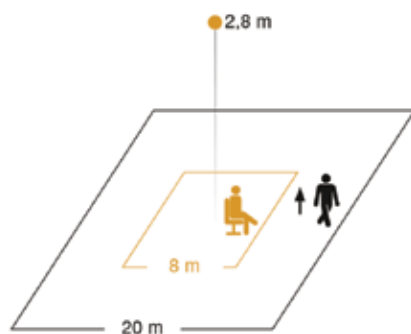
Dimensions (mm)	76 x 120 x 120
Detection Area	Open Area
IP Rating	IP20
Max. Reach	20 x 20m
Delay Time	30 Sec - 30 Min
Mounting Height	2.5 - 10.0m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali Plus, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



Infrared Sensor
360°



Max. 8m x 8m
Presence



4800 Zones



Max. 2000W



ideal 2.5 - 10m



Indoor Sensor



iQ-Mode



Energy Saving



30 Sec - 30 min



ESC Code: 000349

More than a Presence Detector. Squaring the Circle

Presence Control PRO IR Quattro COM1 Infrared presence detector is perfect for small offices, stores, service utility rooms, washrooms and toilets. With an installation height of up to 8m and offering a massive 1760 switching zones, choose IR Quattro for excellence in presence detection over a mechanically scalable 16m² detection zone.

Scan Here



Required Accessory (Only One Required)



000370



000363

Ideal Application:

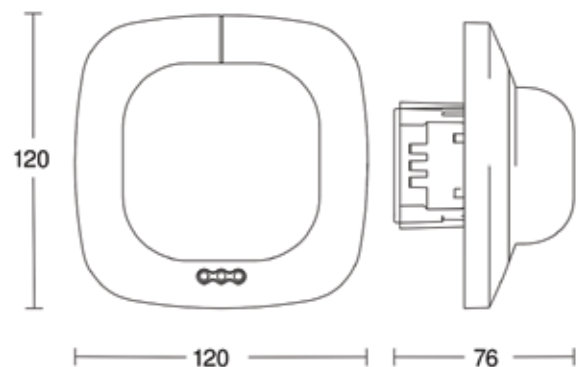
- Conference Room
- One Person Office
- Kitchenette
- Indoors



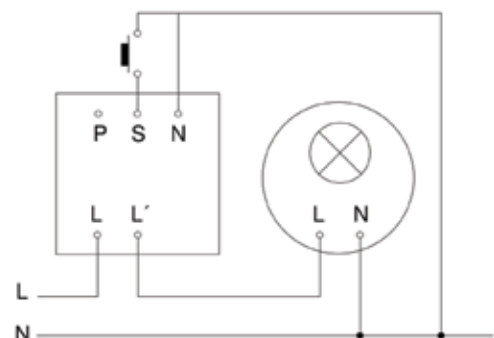
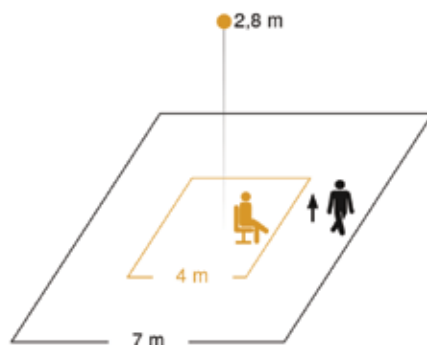
Dimensions (mm)	76 x 120 x 120
Detection Area	Open Area
IP Rating	IP20
Max. Reach	7 x 7m
Delay Time	30 Sec - 30 Min
Mounting Height	2.5 - 8.0m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



Infrared
Sensor
360°



Max. 4 x 4
Presence

2000w

Max. 2000W



IP20



Ideal 2,5 - 8m



Indoor Sensor



IQ Mode

TEACH

Teach Mode



Energy Saving



ESC Code: 007997

The Best of Both Worlds. Combined in One Detector

Ultrasonic presence detector DualTech is perfect for offices, conference rooms and classrooms. With a 36m² presence zone, the ultrasonic technology provides reliable detection behind objects regardless of temperature. Additional detection capability with PIR technology and electronic adjustment for ultrasonic reach along with COM1 switching.

Scan Here



Required Accessory (Only One Required)



000370



000363

Ideal Application:

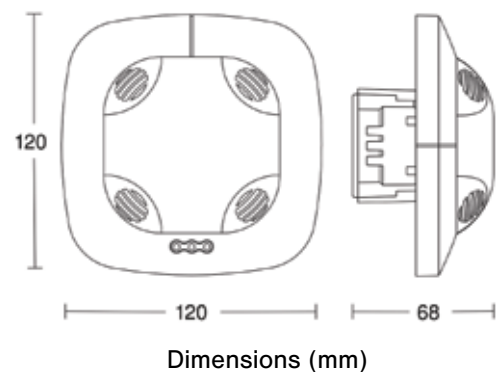
- Meeting Room
- Classroom
- Recreation Room
- Open-plan Office



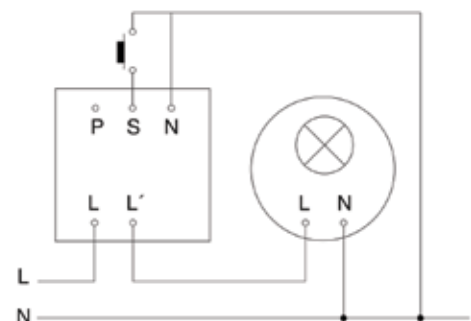
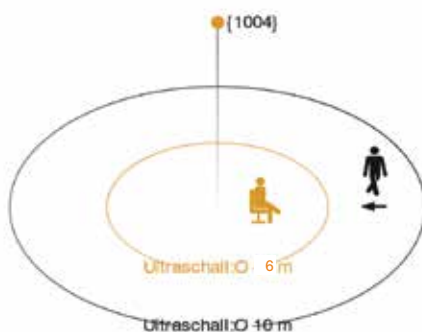
Dimensions (mm)	68 x 120 x 120
Detection Area	Defined Space
IP Rating	IP20
Max. Reach	10m x 10m - 79m ²
Delay Time	30 Sec - 30 Min
Mounting Height	2.5 - 3.5m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Ultrasonic (40kHz) / IR

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



Ultrasonic
Sensor 360°



Infrared
Sensor 360°



Max. 06m
Presence



Max. 2000W



IP20



Ideal 2,5 - 3,5m



Indoor
Sensor



IQ Mode



Teach Mode



Energy Saving

CHANGING ROOMS Presence Detector - US 360



ESC Code: 007935

Detects without Obstructions. Space-filling and Sensitive.

Ultrasonic presence detector US360 is perfect for offices, conference rooms, storerooms and classrooms. The 36m² presence detection zone envelops objects as opposed to penetrating them regardless of temperature. Electronic reach adjustable along with COM1 switching.

Scan Here



Required Accessory (Only One Required)



000370



000363

Ideal Application:

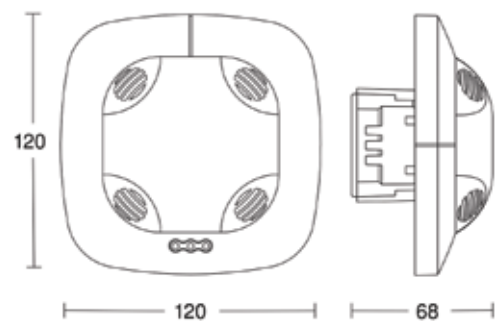
- Changing Rooms
- Classroom
- Recreation Room
- Open-plan Office



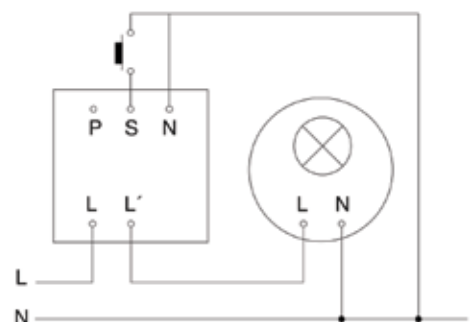
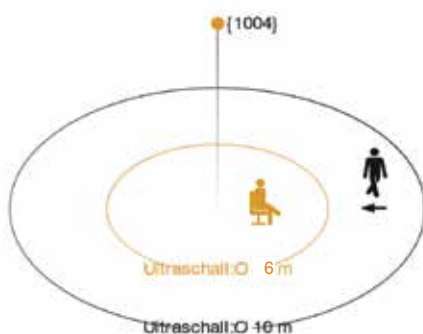
Dimensions (mm)	68 x 120 x 120
Detection Area	Defined Space
IP Rating	IP20
Max. Reach	10m x 10m - 79m ²
Delay Time	30 Sec - 30 Min
Mounting Height	2.5 - 3.5m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Ultrasonic (40kHz)

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



CORRIDORS Motion Detector - Dual HF



ESC Code: 002978

A Corridor Sensor that Points the Way. Both in Technology and Design.

Twice as vigilant! High-frequency Presence Control PRO Dual HF COM1 corridor sensor is perfect for passageways and long corridors. With an installation height of up to 3.5m, its DUAL-HF technology detects radial movement up to 20m in two directions, regardless of temperature. The high-frequency sensor technology detects movement through glass, wood and stud walls, switching light 'ON' almost instantly.

Scan Here



Required Accessory (Only One Required)



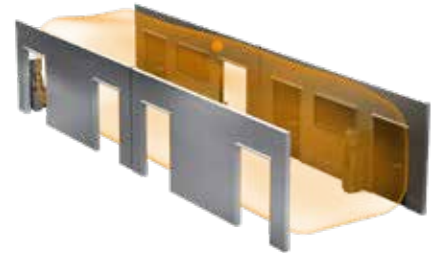
000370



000363

Ideal Application:

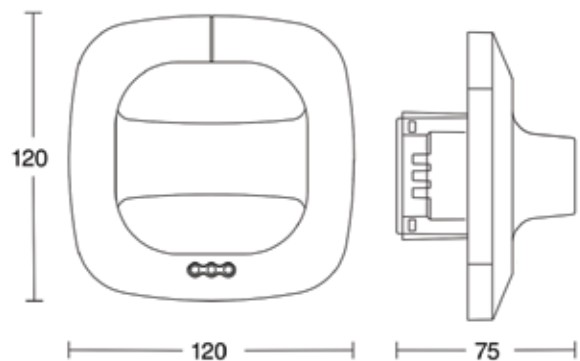
- Corridors
- Aisle
- Indoors



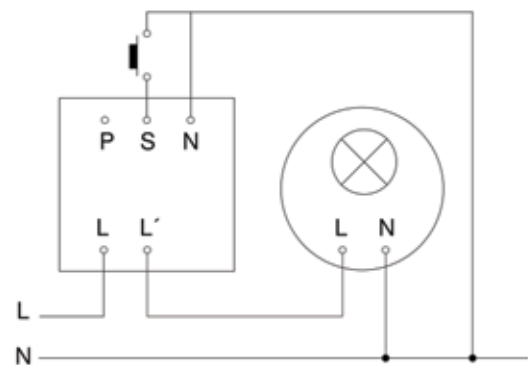
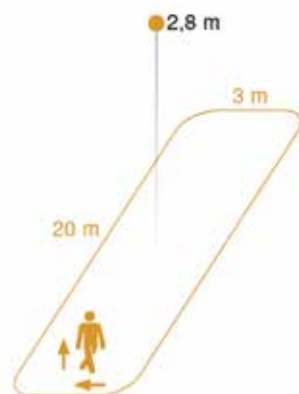
Dimensions (mm)	75 x 120 x 120
Detection Area	Long Corridors
IP Rating	IP20
Max. Reach	20 x 3m
Delay Time	30 sec - 30 Min
Mounting Height	2.5 - 3.5m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	HF (5.6 GHz)

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



High Frequency
Sensor 360°



Max. 20 x 3m



Max. 2000 W



IP20



Ideal 2.5-3.5m



Indoor Sensor



IQ-mode



Teach Mode



Energy Saving

STAIRWELLS Presence Detector - Dual US



ESC Code: 007843

Watches over the entire corridor. And can see around corners.

Dual US ultrasonic motion detector is perfect for corridors and passageways, offering reliable detection within 20m, and envelops objects as opposed to penetrating them regardless of temperature. Electronic reach adjustable along with COM1 switching.

Scan Here



Required Accessory (Only One Required)



000370



000363

Ideal Application:

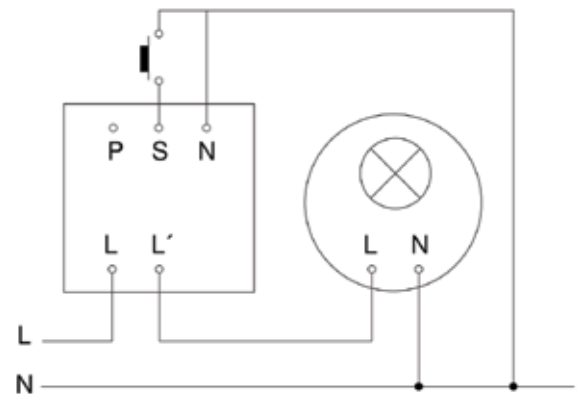
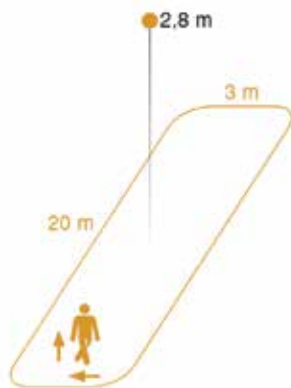
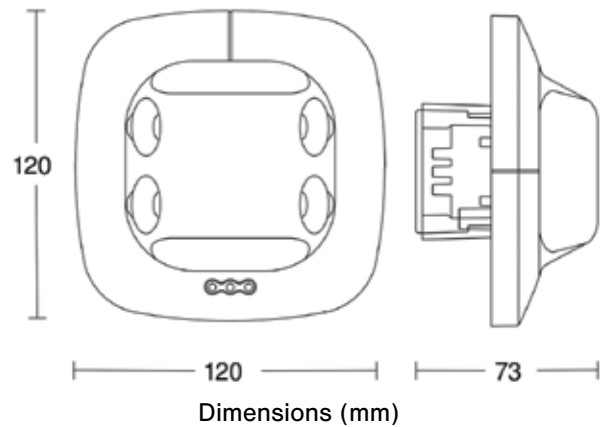
- Stairwells
- Corridor
- Aisle
- Indoors



Dimensions (mm)	73 x 120 x 120
Detection Area	Stairwell
IP Rating	IP20
Max. Reach	3 x 20m
Delay Time	30 sec - 30 Min
Mounting Height	2.5 - 3.5m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Ultrasonic (40kHz)

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Master Circuit Diagram



Ultrasonic
Sensor 360°



3 x 20m



Max. 2000W



IP20



Ideal 2.5 - 3.5m



Indoor
Sensor



IQ - Mode



Teach Mode



Energy
Saving



Fits in any ceiling. And goes with any spotlight.

Inobtrusive and effective, the IS D360 recessed ceiling motion detector has a 360° angle of coverage, a max. reach of 8m (tangential) and an installation height of up to 2.5m, making this perfect for installing in projecting roofs and suspended ceilings or in place of an existing downlight as it's the size of a standard GU16 lamp. The IS D360 has a floating voltage range of 50-250 volts.

Scan Here



ESC Code: 601317

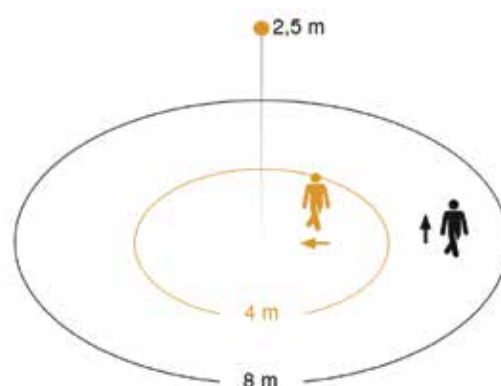
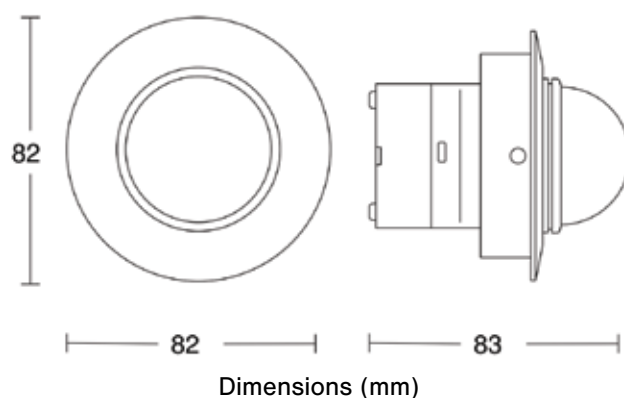
Ideal Application:

- Store
- Side Room
- Corridor
- Indoors



Dimensions (mm)	83 x 82
Detection Area	Open Areas
IP Rating	IP20
Max. Reach	8m Radius
Delay Time	5 sec - 20 Min
Mounting Height	2.5 - 4 m
Light Level Settings	2 - 2000 lx
Mounting	Recessed
Warranty	5 Years
Settings	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	450W



Infrared Sensor
360°



Max. 8m

1000w

1000 W
Max



IP20



2 - 2000 lux



5 sec - 20 min



Ideal 2.5m



Energy
Saving

RESTROOMS Presence Detector - HF 360 / HF 360 Com 2



ESC Code: 002800

ESC Code: 002848

Required Accessory (Only One Required)



000370



000363

Ideal Application:

- Function Room
- Kitchenette
- Stairwell
- Restrooms

You can hardly see it, but it sees everything.

Doesn't miss a thing. Presence Control PRO HF 360 COM1 HF presence detector is perfect for toilet cubicles, changing rooms, stairwells, multi-story car parks or kitchens. With an installation height of up to 3.5m and a 1 – 12m reach, this sensor can be electronically adjusted in two directions, regardless of temperature. The high frequency sensor technology also detects movement through glass, wood and stud walls.

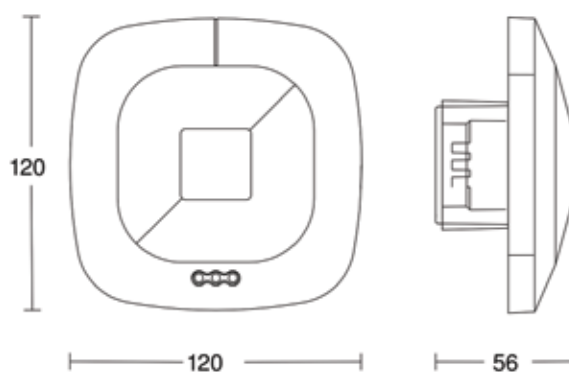
Scan Here



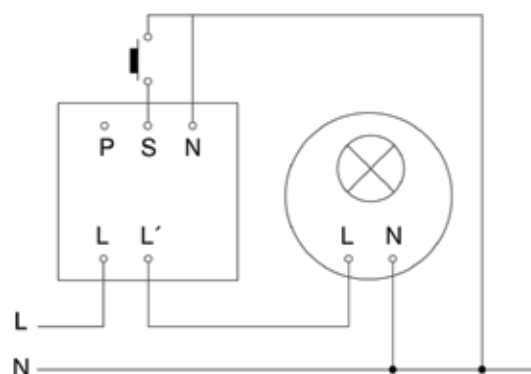
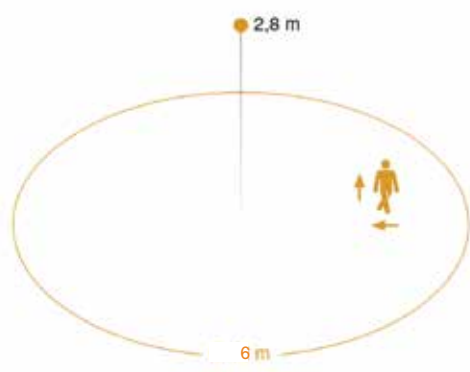
Dimensions (mm)	56 x 120 x 120
Detection Area	Restroom
IP Rating	IP20
Max. Reach	6m Radius
Delay Time	30 sec - 30 Min
Mounting Height	2.5 - 3.5m
Light Level Settings	10 - 1000 lx
Mounting	Recessed / Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	HF (5.6GHz)

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Dimensions (mm)



Master Circuit Diagram



High Frequency
Sensor 360°



Max. Ø12m

2000w

Max. 2000W



IP20



Ideal 2.5 - 3.5m



Indoor
Sensor



IQ - Mode

TEACH

Teach Mode



Energy Saving

OUTDOOR ENTRANCE Motion Detector - SensIQ



ESC Code: 029579

The King of Motion Detectors. Reference Class all Round

The revolutionary SensIQ is perfect for building entrances to loading bays. With an installation height of up to 5m, the quad sensor system boasts a coverage area of over 300° detection angle, and 20m (tangential). SensIQ has an adjustable precision reach setting in 3 different directions.

Scan Here



Ideal Application:

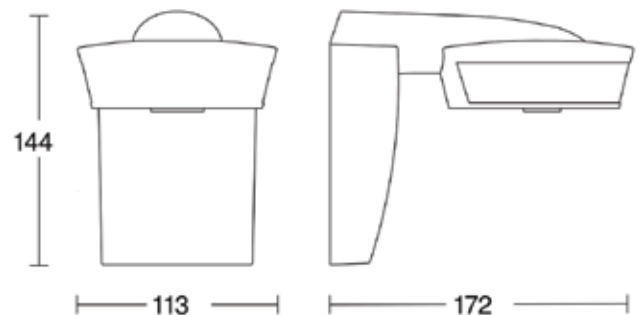
- Entrance
- Loading Bays
- Building Surrounds



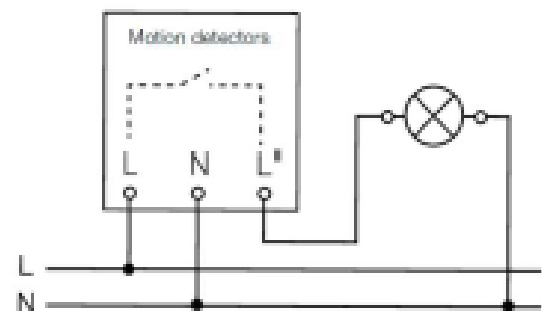
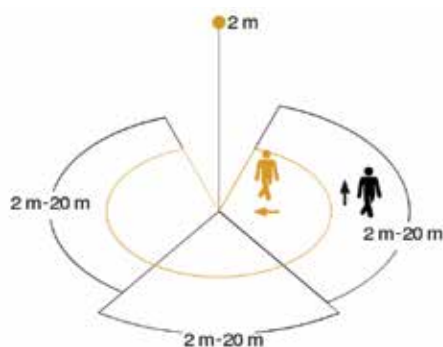
Dimensions (mm)	144 x 113 x 172
Detection Area	3 x 20m
IP Rating	IP54
Max. Reach	3 x 20m
Delay Time	5 sec - 15 min
Mounting Height	2.0 - 5.0m
Light Level Settings	2 - 2000 lx
Mounting	Surface
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2500W
LED	600W

Types Available: KNX



Dimensions (mm)



Wiring Schematic: On / Off - Light Switch

Infrared Sensor
3 x 100°

3 Zones
Scalable
2-20m

2500W Max

IP54

2 - 2000 Lux

5 Sec - 15 Min

Ideal 2 - 5m

Energy Saving



ESC Code: 009113

Great Motion Detector for Industry and Business

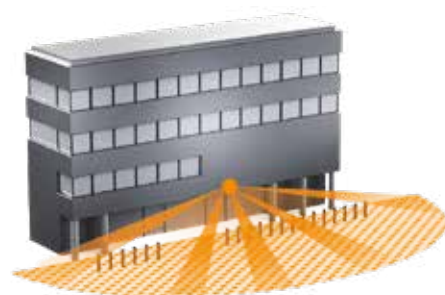
IS 3180 Infrared motion detector is perfect for watching over large areas. With an installation height of 2m, angle of coverage 180° and a max reach of 20m, 8m max (tangential). Installation is made easy with a large terminal compartment and it's equipped with a heavy-duty relay for high switching capacity.

Scan Here



Ideal Application:

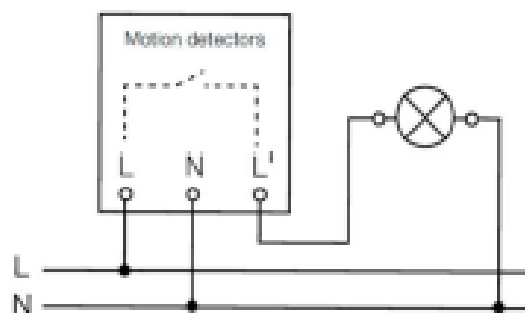
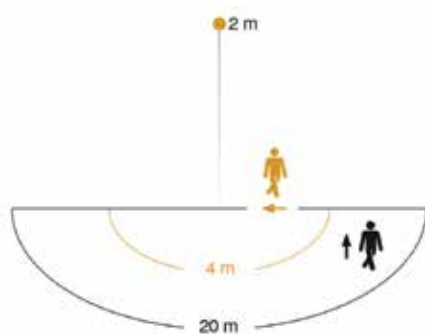
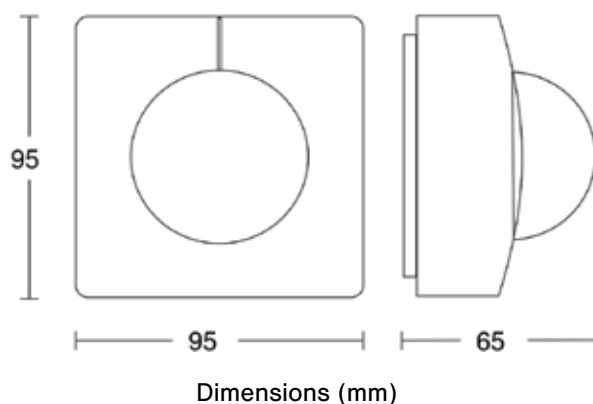
- Carpark
- Corridor
- Aisle
- Function Room



Dimensions (mm)	65 x 95 x 95
Detection Area	Stairwell
IP Rating	IP54
Max. Reach	20m Radius
Delay Time	5 sec - 15 Min
Mounting Height	1.8 - 2.5m
Light Level Settings	2 - 2000 lx
Mounting	Surface Mount
Warranty	5 Years
Settings	Manually / Smart Remote
Technology	Passive Infrared

Max. Load on Switched Relay Output (L')	
GLS	2000W
LED	600W

Types Available: Dali, Dali2, KNX



Wiring Schematic: On / Off - Light Switch



Infrared
Sensor 180°



Max. 20m

2000w

Max. 2000W



IP54



2 - 1000 Lux



5 Sec - 15 Min



Manual
Override
















Ideal 2m

TEACH

Teach Mode

Specification Table

Sensor Type: Switching (on/ off) / 230V								
Code	010492	010485	033569	010478	053789	002794	000349	007997
Application	High Aisles	Normal Aisles	High Ceilings	Normal Ceilings	Smaller Areas	Larger Area	Open Area	Defined Space
Mounting	Surface	Surface	Surface	Surface	Recessed	Recessed	Recessed	Recessed
Technology	PIR	PIR	PIR	PIR	PIR	PIR	PIR	US (40kHz) / IR
Max. Reach	30m x 4m	23m x 6m	18m Radius	10m Radius	6m x 6m	20m x 20m	7m x 7m	10 x 10m - 240m³
Sensing Quality	Movement	Movement	Movement	Movement	Presense	Presense	Presense	Presense
Switch Over Right	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IP Rating	IP54	IP54	IP54	IP54	IP65	IP20	IP20	IP20
Light Level Settings	2 - 1000lx	2 - 1000lx	2 - 1000lx	2 - 1000lx	2 - 1000lx	10 - 1000lx	10 - 1000lx	10 - 1000lx
Delay Time	5s - 15min	5s - 15min	5s - 15min	5s - 15min	5s - 60min	30s - 30min	30s - 30min	30s - 30min
Settings	Man./ Remote	Man./ Remote	Man./ Remote	Man./ Remote	Remote Only	Man./ Remote	Man./ Remote	Man./ Remote
Load GLS	2000W	2000W	2000W	2000W	1000W	2000W	2000W	2000W
Load LED	600W	600W	600W	600W	600W	600W	600W	600W

Sensor Type: Switching (on/ off) / 230V							
Code	007935	002978	007843	601317	002800 / 002848	029579	009113
Application	Defined Space	Long Corridors	Stairwell	Open Areas	Restroom	Large Outdoor	Large Outdoor
Mounting	Recessed	Recessed	Recessed	Recessed	Recessed	Surface	Surface
Technology	US (40kHz)	HF (5.6 GHz)	US (40kHz)	PIR	HF (5.6 GHz)	PIR	PIR
Max. Reach	10m x 10m - 240m³	20m x 3m	20m x 3m	8m Radius	6m Radius	3 x 20m	20m Radius
Sensing Quality	Presense	Presense	Presense	Movement	Presense	Movement	Movement
Semi Operation Mode	Yes	Yes	Yes	No	Yes	No	No
IP Rating	IP20	IP20	IP20	IP20	IP20	IP54	IP54
Light Level Settings	10 x 1000 lx	10 x 1000 lx	10 x 1000 lx	2 x 2000 lx	10 x 1000 lx	2 x 2000 lx	2 x 1000 lx
Delay Time	30s - 30 Min	30s - 30 Min	30s - 30 Min	5s - 20 Min	30s - 30 Min	5s - 15 Min	5s - 15 Min
Settings	Man./Remote	Man./Remote	Man./Remote	Man./Remote	Man./Remote	Man./Remote	Man./Remote
Load GLS	2000W	2000W	2000W	2000W	2000W	2500W	2000W
Load LED	600W	600W	600W	450W	600W	600W	600W



 steinel



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