

thePrema P360-101 E UP BK

Item no.: 2070107

theben

Presence and motion detectors
Ceiling installation indoor

Description

- Passive infrared presence detector for ceiling mounting
- Square detection area 360° (up to 100 m²) for reliable and easy planning
- Automatic presence- and brightness-dependent control for lighting and HVAC
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps and LEDs
- Light measurement can be switched to spot or wide measurement
- Channel A, light: relay, 230V
- Choice of fully or semi-automatic operation
- Adjustable brightness switching value, teach-in function
- Self-learning time delay
- Reduction of switch-off delay time in the event of short presence (brief-presence)
- Connection option for sensors or switches for manual switching with automatic recognition of sensor/switch
- Pulse function for staircase light time switch
- Channel H, presence: relay, floating
- e.g. for HVAC control
- Switch-on delay and switch-off delay configurable
- Room monitoring with selective movement detection
- Ready for immediate use due to factory preset
- Exceptionally easy configuration of the energy-saving behaviour with the new «eco plus» function
- Test mode for checking function and detection area
- Extension of detection area via Master/Slave or Master/Master switching, a maximum of 10 detectors can be switched in parallel with each other
- Flexible relay operating modes
- Ceiling installation in flush-mounted socket
- Ceiling installation also possible with surface-mounted frame
- User remote control theSenda S, management remote control SendoPro (optional)
- * According to warranty terms and conditions, see www.theben.de/en/guarantee



Subject to technical changes and misprints

additional information at: www.theben.de/product/2070107

The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

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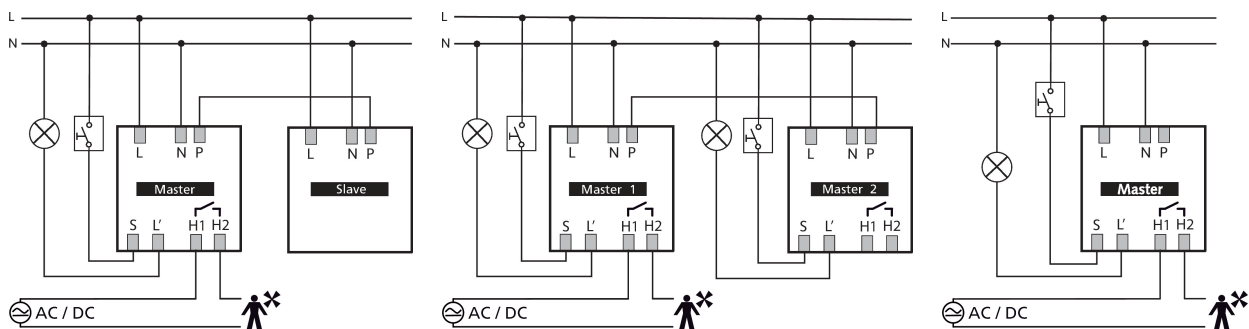
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Technical data

thePrema P360-101 E UP BK		thePrema P360-101 E UP BK	
Operating voltage	110 - 230 ± 10 % V AC	LED lamp < 2 W	60 W
Frequency	50 - 60 Hz	LED lamp 2-8 W	600 W
Installation height	2 - 10 m	LED lamp > 8 W	600 W
Minimum height	1.7 m	Switch-on delay presence	0 s - 10 min / Room surveillance
Installation type	Ceiling installation, Flush-mounted	Presence switch-off delay	10 s - 120 min
Colour	Black (similar RAL 9005)	Type of contact presence	Relay potential-free
Switching output	Light Presence	Switching capacity presence	50 W / 50 VA (max. 2 A), min. 0,5 mV / 10mA
Power consumption	~0.1 W	Type of connection	Screw terminals
Light measurement	Mixed light measurement	Max. cable cross section	max. 2 x 2,5 mm ²
Setting range brightness	5 - 3000 lx	Size of concealed housing	55 mm
Light switch-off delay	10 s - 60 min	Detection range	81 m ² (9 x 9 m)
Type of contact light	Relay 230 V / 10 A µ-contact	Detection angle	360°
Lamp types	Incandescent/halogen lamps, fluorescent lamps, Energy saving lamps, LEDs	Ambient temperature	0°C ... 50°C
Incandescent/halogen lamp load	2300 W	Impact resistance	IK04
Compact and fluorescent lamps	1150 VA (cos φ = 0,5)	Type of protection	IP 40 (when fitted)
Inrush current	max. 800 A / 200 µs	GWP Cradle-to-Gate (A1-A3)	5.57 kg CO ₂ eq
Energy saving lamps	16 x 54/58 W, 24 x 35/36 W, 8 x 2 x 54/58 W, 12 x 2 x 35/36 W	GWP Cradle-to-Grave (A1-C4)	9.23 kg CO ₂ eq

Connection example



Detection range for planning applications at a temperature of 21 °C

Mounting height (A)	Sitting (S)	Walking (T)
2 m	20 m ² 4.5 m x 4.5 m	36 m ² 6 m x 6 m ± 0.5 m
2.5 m	36 m ² 6 m x 6 m	64 m ² 8 m x 8 m ± 0.5 m
3 m	49 m ² 7 m x 7 m	81 m ² 9 m x 9 m ± 1 m
3.5 m	64 m ² 8 m x 8 m	100 m ² 10 m x 10 m ± 1 m
5 m		144 m ² 12 m x 12 m ± 1.5 m
10 m		400 m ² 20 m x 20 m ± 2 m

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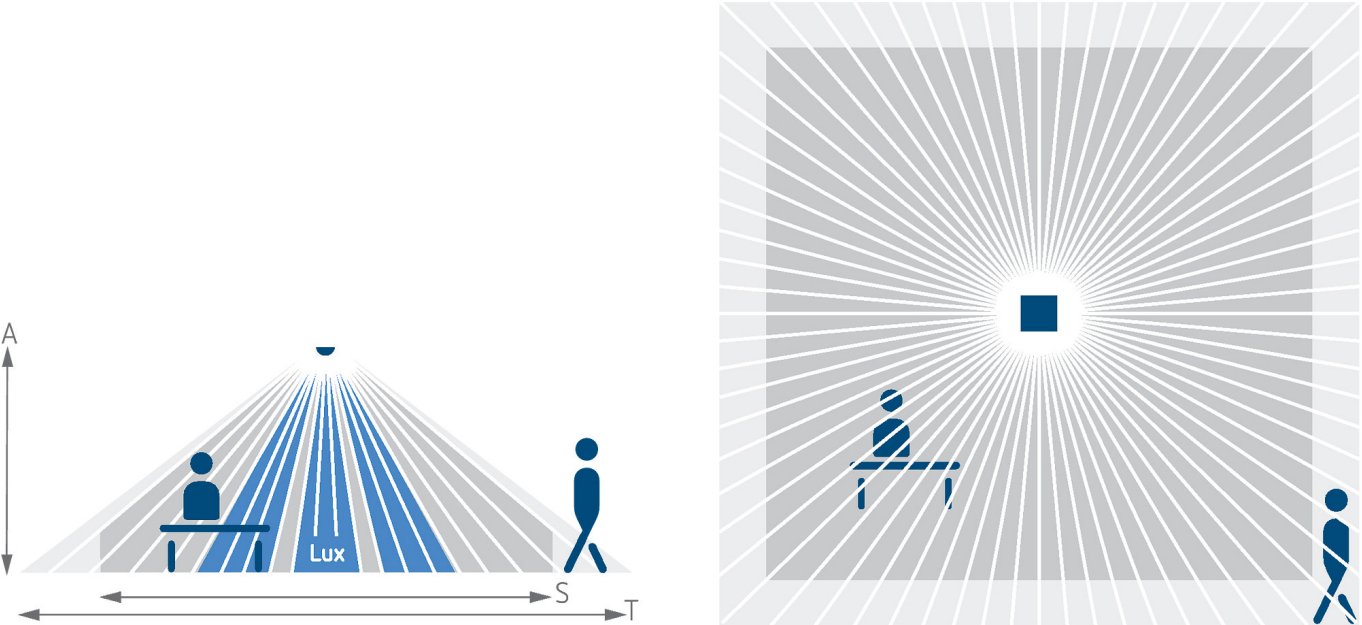
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06/08/2026

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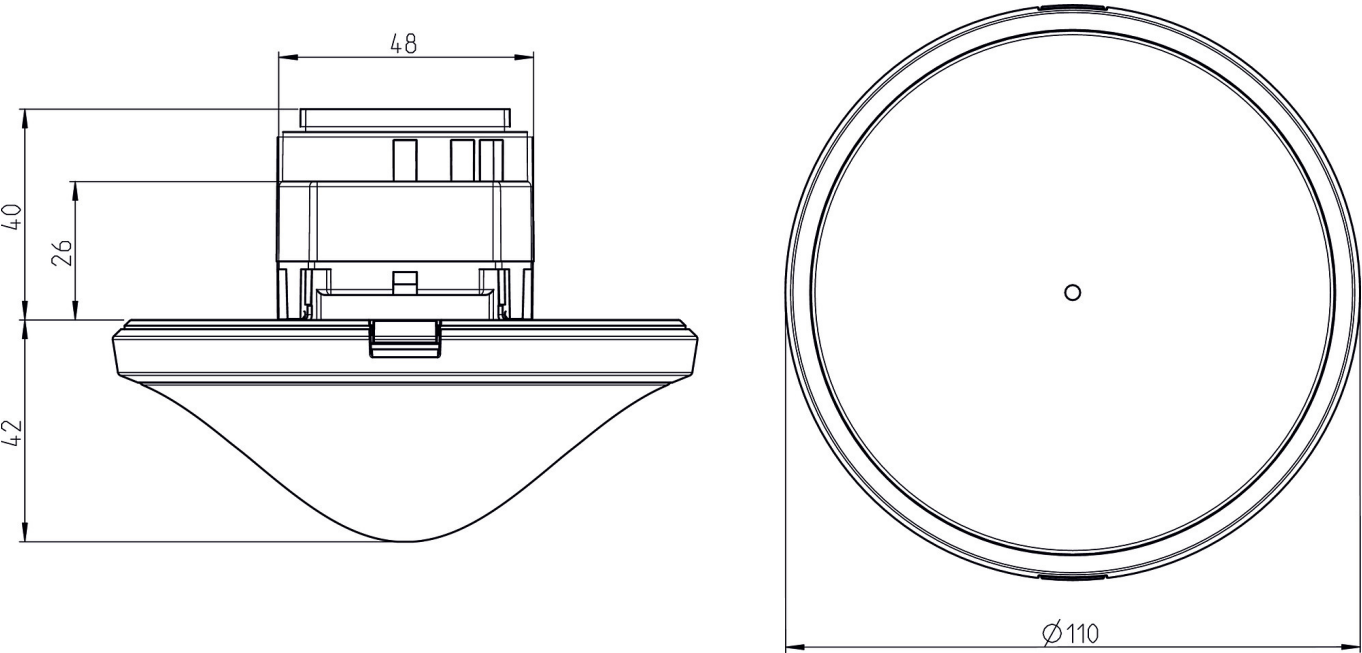
Detection range for planning applications at a temperature of 21 °C



Detection range according to Sensnorm IEC 63180

Mounting height (A)	Diagonally (T)	Head on to (R)	Sitting (S)
2.5 m	77 m² 8.8 m x 8.8 m	64 m² 8 m x 8 m	42 m² 6.5 m x 6.5 m

Scale drawings



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Accessories

theSenda P

Item no.: 9070910



theSenda S

Item no.: 9070911

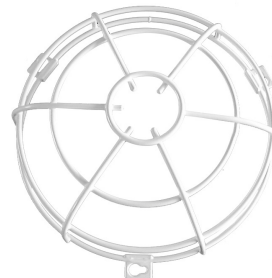


Ceiling installation box 73A

Item no.: 9070917

QuickSafe

Item no.: 9070531



theSenda B

Item no.: 9070985



Ceiling installation box 68A

Item no.: 9070992



Surface frame 110A BK

Item no.: 9070600



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