theLuxa R180 BK

Item no.: 1010201

Presence and motion detectors
Wall installation outdoor

Description

- Passive infra-red motion detector for wall installation
- 180° detection angle
- For outdoor use
- Protection from tampering thanks to the robust case design
- Covered operating controls under the secured front cover
- Adjustable brightness switching value and switch-off delay
- Area limit via lens attachment
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs
- Zero-cross switching for relay-saving switching and high lamp loads
- Test function for checking detection area
- Installation on flush-mounted socket possible (60 mm)
- Single-handed plug-in installation
- Instant start-up possible via factory preset
- Terminal for protective earth conductor



Technical data

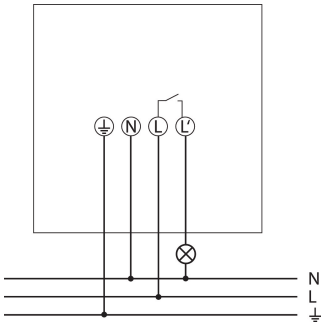
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Operating voltage	230 V AC
Frequency	50 - 60 Hz
Stand-by consumption	<0.5 W
Light measurement	Mixed light measurement
Number of channels	1
Colour	Black (similar RAL 9005)
Switching output	Light
Installation type	Wall installation, Surface mounted
Switching capacity	10 A at 230 V AC, cos φ = 1
Detection angle	180°
Installation height	2.5 m
Light switch-off delay	2 s - 30 min
Incandescent/halogen lamp load	2300 W
Fluorescent lamp load (conventional) not corrected	500 VA
Fluorescent lamp load (conventional) parallel-corrected	500 W 60 µF
Fluorescent lamp load (conventional) series-corrected	500 VA

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Fluorescent lamp load (electronic ballast)	500 W
Energy saving lamps	500 W
LED lamp < 2 W	50 W
LED lamp 2-8 W	500 W
LED lamp > 8 W	500 W
Lamp types	Incandescent/halogen lamps, fluorescent lamps, Energy saving lamps, LEDs
Detection range	12 m
Detection range	Semicircular
Ambient temperature	-25°C ... 45°C
Impact resistance	IK09
Protection class	II
Type of protection	IP 55
GWP Cradle-to-Gate (A1-A3)	4.47 kg CO_2 eq
GWP Cradle-to-Grave (A1-C4)	20.87 kg CO_2 eq

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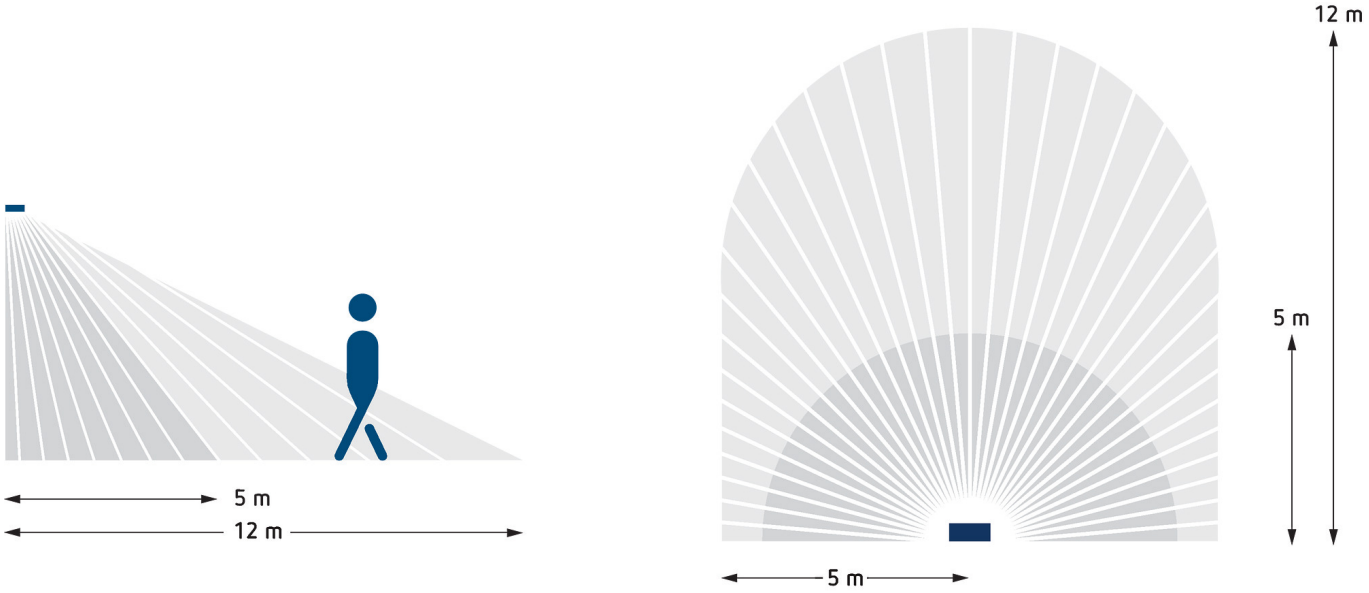
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Wiring Diagrams



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

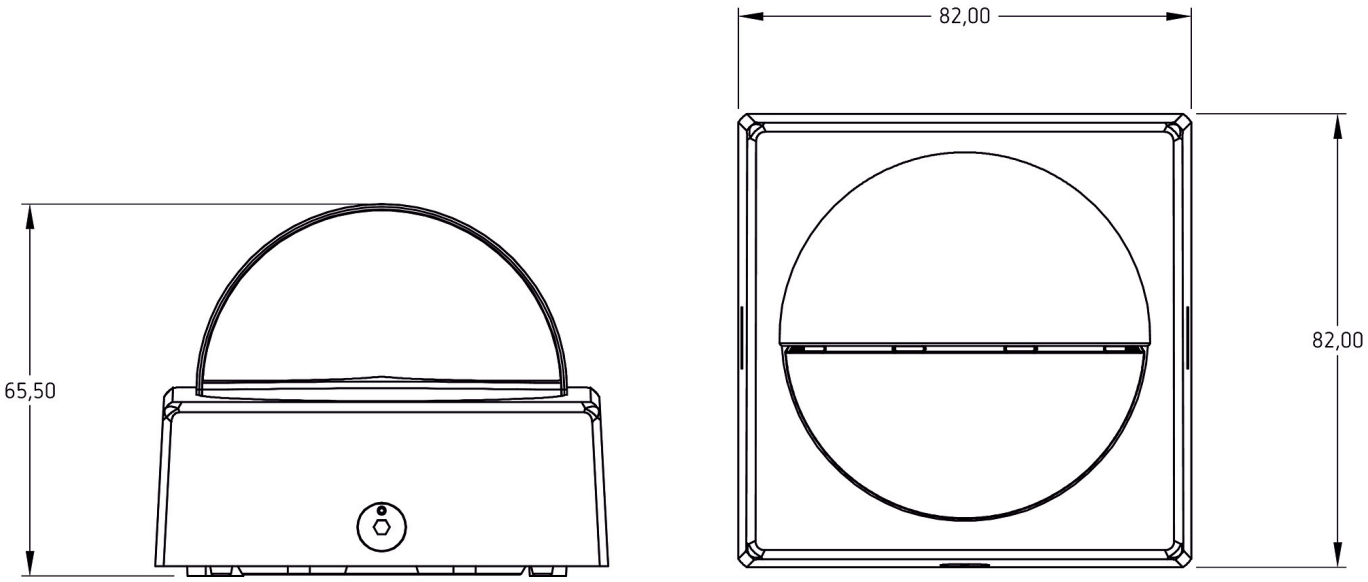
Mounting height (A)	Diagonally (t)	Head on to (R)
2.5 m	12 m	5 m



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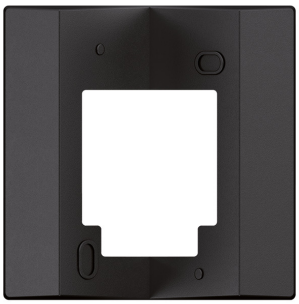
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Scale Drawings



Accessories

Corner angle 10 BK
Item no.: 9070987



Spacer 10 BK
Item no.: 9070988

