MSensor SFI 40 PIR 5DP bDW
Casambi Ready wireless sensor

New

Product description
_ Can be integrated in Casambi systems (Casambi Ready)
_ Wireless controllable with an Android / iOS smart device
_ Forms automatically a wireless communication network with up to 250 nodes
_ Digital output to control IEC 62386 compatible drivers
_ Supplied via IEC 62386 compatible power supply
_ Integrated motion and light sensor
_ Zhaga Book 20 compatible with optional accessory
_ Additional mounting from the outside possible
_ Wireless firmware updates possible
_ Defined antenna position outside the luminaire body enables optimal radio distribution
_ Lifetime up to 50,000 h at tc = 60 °C
_ 5 years guarantee (conditions at www.tridonic.com)

Housing properties
_ Casing: polycarbonate, black or white
_ Type of protection IP20

Typical applications
_ Indoor luminaire in-built

Website
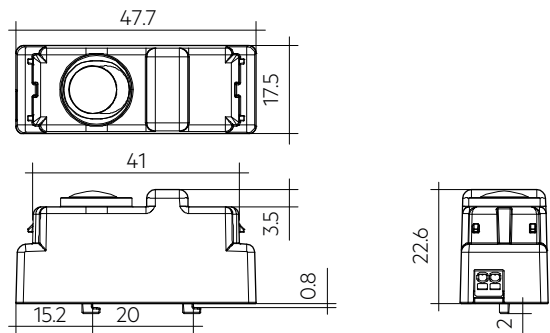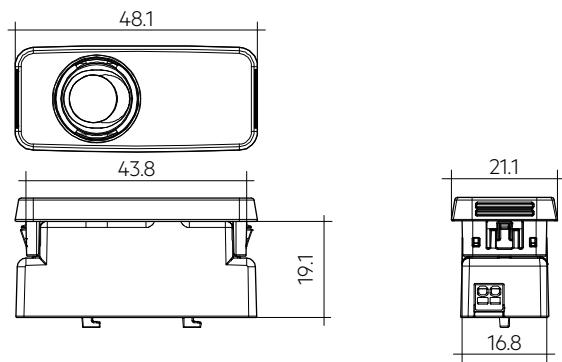http://www.tridonic.com/28004245

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The complete data sheet for this product is available in the Downloads section.

Sensor without cover

Sensor with cover

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
MSensor SFI 40 PIR 5DP bDW WH	**28004245**	40 pc(s).	0.016 kg

Technical data

Supply voltage [1]	9.5 – 22.5 V
Current draw	9 mA (30 mA at start)
Typ. power consumption [2]	0.13 W
Mounting height	5 m
Mounting hole	See mounting variants in data sheet
Type of installation	Zhaga Book 20
Max. cable length	2 m
Detection angle for PIR detection	84°
Detection angle for light measurement [3]	30° – 60°
Detection range for light measurement	10 – 2,000 lx
Min. temperature difference between ambient temperature and detected object	± 4 °C
Radio transceiver operating frequencies	2.4 – 2.483 GHz
Max. output power radio transceiver (E.R.I.P.) [4]	< + 20 dBm
Radio protocol	Bluetooth 4.0
Capable for mesh network	Up to 250 nodes
Interface	Digital interface according to IEC 62386
Ambient temperature ta	-20 … +50 °C
tc point	60 °C
Storage temperature ts	-20 … +60 °C
Dimensions L x W x H	48.1 x 21.1 x 25.8 mm
Housing material body	Polycarbonate
Type of protection	IP20
Lifetime	up to 50,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)

Approval marks

Standards

EN 55015, EN 61347-1, EN 61347-2-11, EN 61547, EN 62311, EN 62493, ETSI EN 300 328, ETSI EN 301 489-1, ETSI EN 301 489-17

[1] Use only IEC 62386 compatible power supply.
[2] At 16 V supply voltage.
[3] The measured value at the sensor head corresponds to approx. 30 to 6,300 lux on the surface measured.
[4] E.I.R.P.: Equivalent Isotropically Radiated Power.