

Last information update: March 2025

**Product code**

X677: Citygrid DALI Zhaga motion sensor

Technical description

A stand-alone device that transforms an iGuzzini luminaire fitted with a Zhaga attachment into a motion-controlled device. Thanks to its high performance sensor, the device reliably detects pedestrians, cyclists and vehicles.

A luminaire with a Citygrid DALI Zhaga sensor can operate:

- independently, with Plug&Play (non connected), with default parameters specified in the notes.

In luminaires with a double Zhaga attachment, this X677 sensor can also work in combination with the Citygrid Zhaga Controller code X675; in this case the DALI Zhaga X677 sensor will follow the operating settings of the Citygrid Zhaga Controller X675.

Features:

- integrated PIR 92 zone motion sensor.
- DALI-2, compatible with iGuzzini luminaires.

Installation

The luminaire must be equipped with a Zhaga Book 18 socket that points downward, parallel to the road.

Recommended installation height: between 4 and 8 m.

Detection range at a height of 6 m: 6.3 m transversal, 15 m longitudinal. Values are indicative, consult the images in the instruction sheet.

For eventual clarifications regarding the system configuration, contact iGuzzini.

Colour

Grey (15)

Weight (Kg)

0.03

Wiring

The Citygrid DALI Zhaga motion sensor does not require wiring.

Notes

"Plug&Play" sensor operation with default values:

- With presence detected: light level at 100%.
- Remain time after absence: 3 minutes.
- With no motion detected: 25% of maximum light level.
- Dim up time 25%-100%: 2 seconds.
- Dim down time 100%-25%: 10 seconds.

The times and levels in stand-alone mode cannot be changed.

Stand-alone mode is activated automatically after 15 minutes from power up and if the Citygrid DALI Zhaga motion sensor does not detect a controller on the DALI bus.

If the X677 controller is detected on the DALI bus, the Citygrid DALI Zhaga motion sensor communicates with it immediately using the controller parameters.

operates at temperatures from -20°C to +50°C.

Can be used at up to 2000 m a.s.l.

Available, at the moment, for the European market only.

Complies with EN60598-1 and pertinent regulations

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