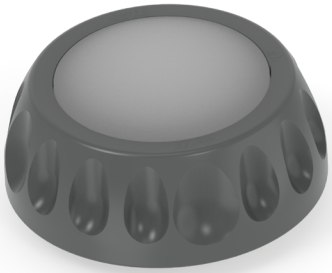


LUMAWISE MOTION PROGRAMMABLE

Street Lighting Motion Sensor

The LUMAWISE Motion Programmable motion sensor is designed for streetlighting. Enabling energy savings from dimming the luminaire, while still being able to react to motion and bring a luminaire to full brightness for safety and security reasons.

LUMAWISE Motion Programmable motion sensor will fit into the Zhaga-D4i ecosystem, the new standard in smart cities. Working as a standalone control device or in combination with Zhaga-D4i photocell or communication node for greater levels of control.

This programmable version of LUMAWISE Motion sensor allows a user to self-define parameters like brightness levels, on time and ambient light on and off levels.

BENEFITS

- Interoperability guaranteed from the Zhaga-D4i logo and certification
- Detected motion will cause a dimmed luminaire to brighten supporting energy savings while still having the safety and security of a lit area
- Compact design to keep the aesthetics of modern designed luminaires
- One handed easy under luminaire connection supports an installer to work below the luminaire

APPLICATIONS

- Street lighting
- Park, recreational and walkway lighting
- Cycle ways
- Station lighting
- High bay lighting

Zhaga-D4i certified

LUMAWISE Motion Programmable
Street lighting Motion Sensor

FEATURES

- Programmable version is configurable via the DALI bus
- 30mx6m rectangular detection zone (@5m height)
- Ø10m circular detection zone (@5m height)
- Default parameters
  - On: 35lux, Off: 18lux
  - No motion: 20% brightness, motion: 100% brightness
  - On time: 2 minutes
- Tested on poles from 5 to 12m high
- Motion detected from PIR sensor
- Detects pedestrians, wheelchair users, runners and cyclists
- Masks available for self-defined detection zone
- Lighting control of the driver from the D4i communication protocol
- Zhaga book 18 interface (4 position connection)
- Zhaga-D4i Type B device, with application controller
- Polarity insensitive DALI input
- IP66, IP68 and IK07
- -40°C to 65°C operating temperature range
- -40°C to 32°C functional detection temperature range
- At ambient temperatures greater than 32°C, light output will be switched to 50% brightness
- Rolling calibration sequence to filter out reflected light from the luminaire
- Pin out
  - 1 N/C
  - 2 DALI-/GND
  - 3 DALI+
  - 4 N/C

MECHANICAL

- Height: 42.0mm
- Diameter: 79.7mm

MATERIALS

- Dome: HDPE and polycarbonate
- Base: PBT

ELECTRICAL

- 6-8mA average power consumption, 25mA on startup
- Powered from the DALI bus

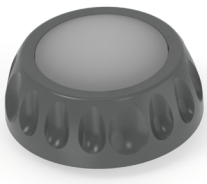
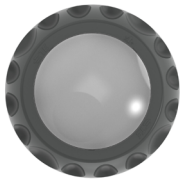
STANDARDS

- Zhaga book 18 editions 1, 2 and 3, (upcoming edition 4)
- DiiA: parts 351
- IEC 62386: part 303, 101 and 103
- CE and UKCA marked
- UL773
- IEC 61347-1
- IEC 61347-2-11
- Elexon charge code

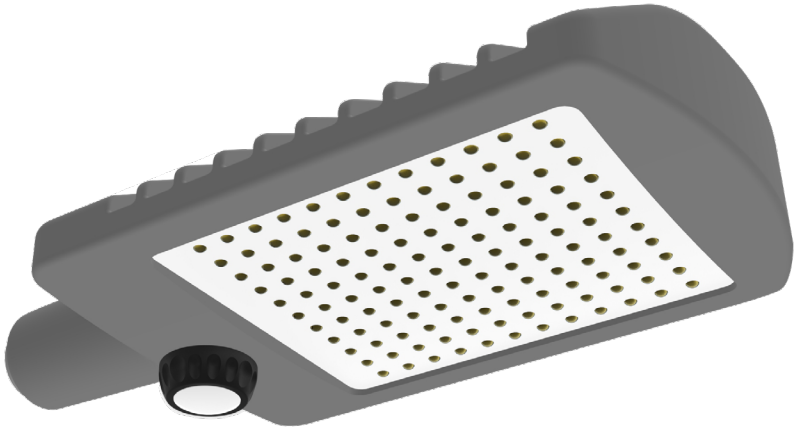
SPECIFICATIONS

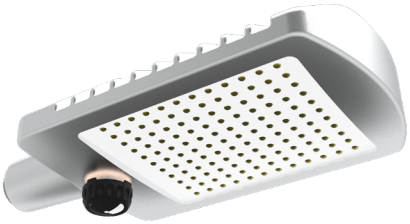
- Application Specification: 114-160511
- Product Specification: 108-160457

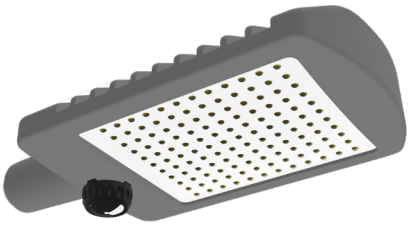
PART NUMBER LIST

Product Images	Part Number	Description
 	2444029-1 3-2444029-1	LUMAWISE Motion Sensor Programmable: Rectangular detection zone LUMAWISE Motion Sensor Programmable: Circular detection zone
 	2396399-1	LUMAWISE Motion Sensor Mask

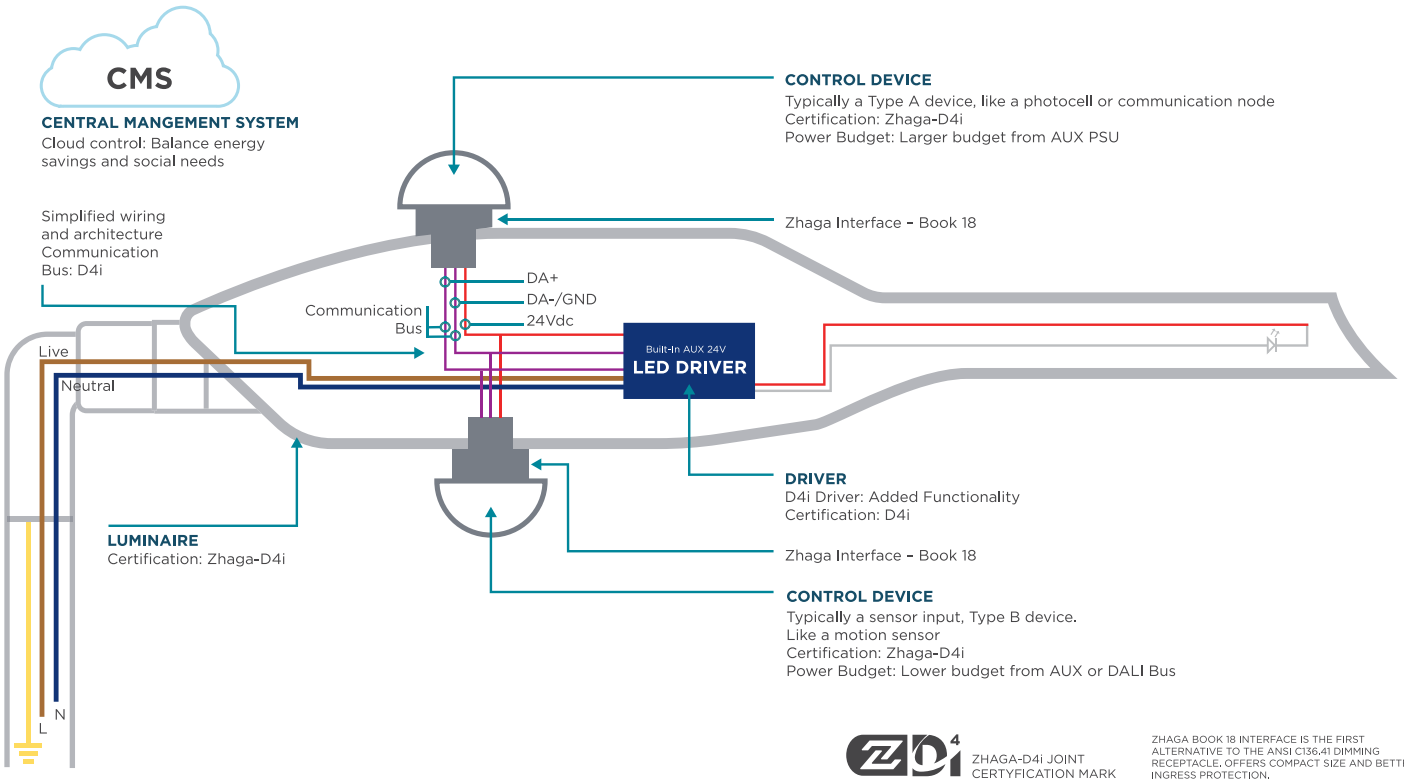
LUMAWISE Motion Zhaga-D4i Certified







ZHAGA TWO NODE ARCHITECTURE

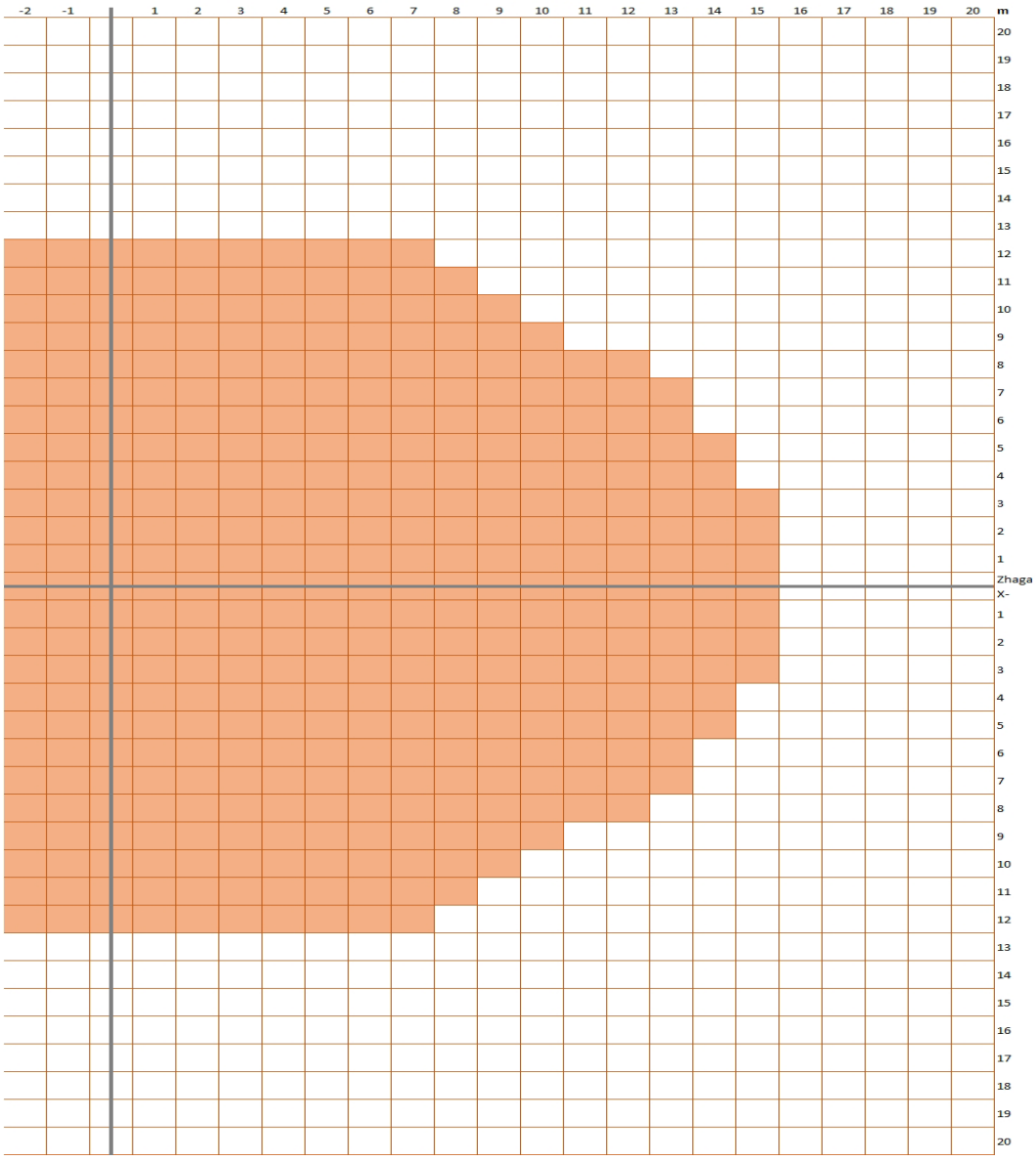


ZHAGA-D4i JOINT CERTYFICATION MARK

ZHAGA BOOK 18 INTERFACE IS THE FIRST ALTERNATIVE TO THE ANSI C136.41 DIMMING RECEPTACLE, OFFERS COMPACT SIZE AND BETTER INGRESS PROTECTION.

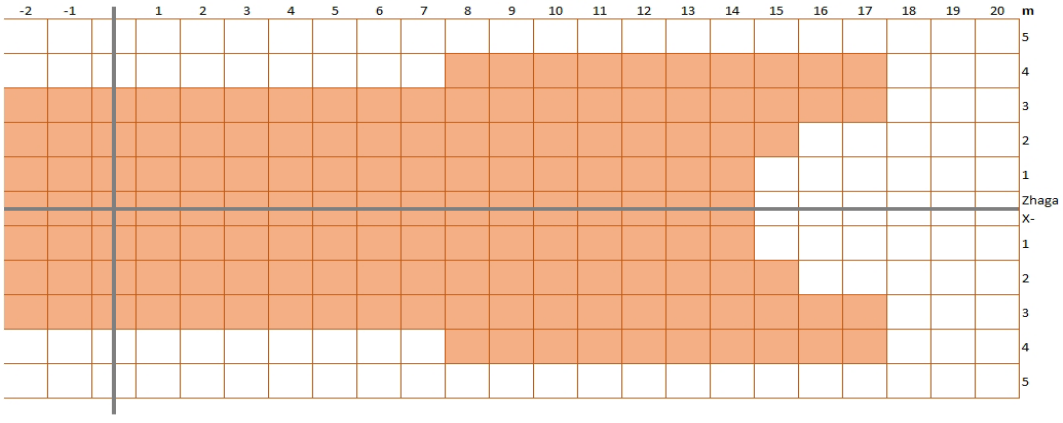
Market Leading Detection Zone

TYPICAL DETECTION DIAGRAM AT 5M MOUNTING HEIGHT



Circular Detection Zone

Only one half of detection zone shown

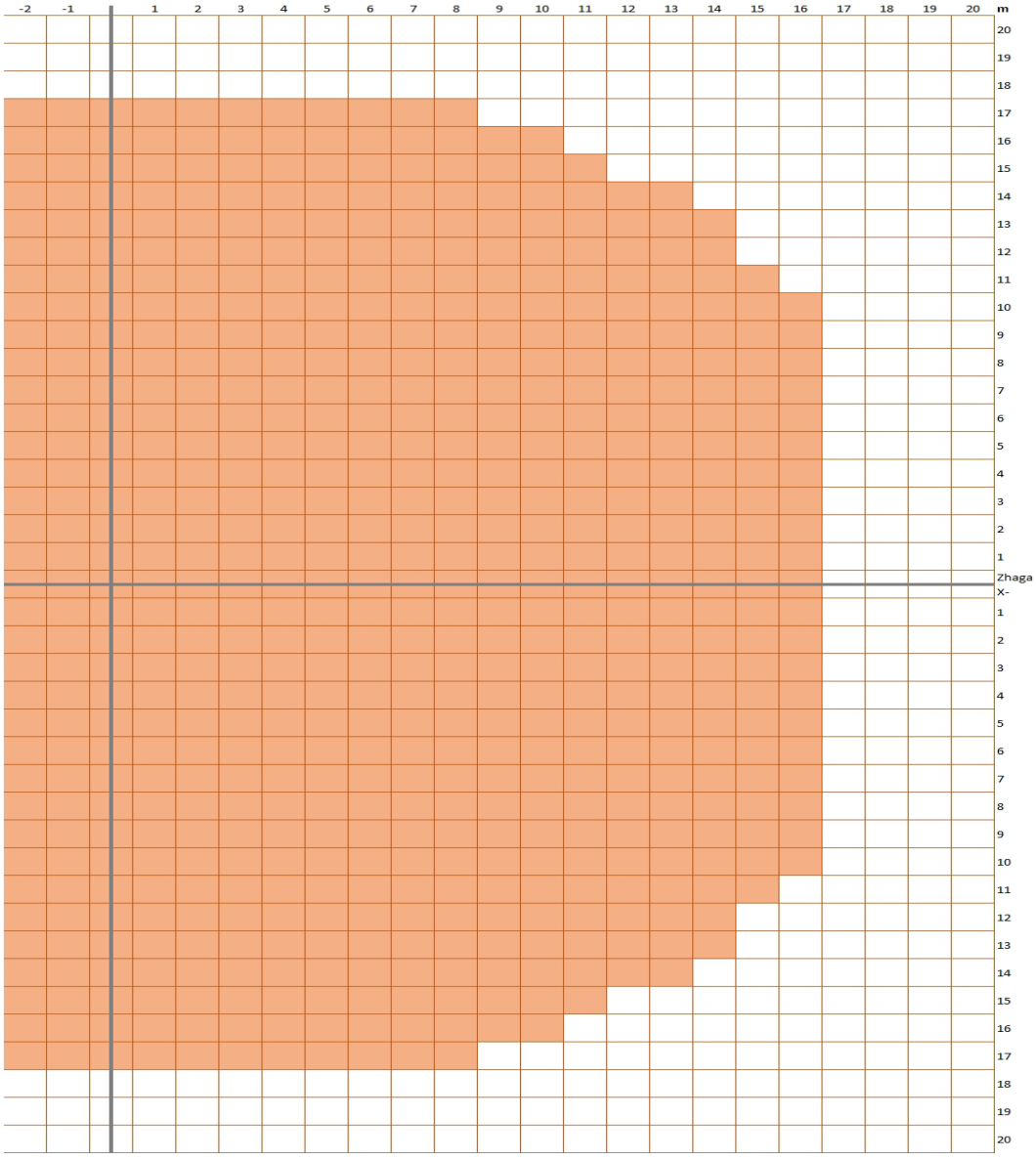


Rectangular detection Zone

Only one half of detection zone shown

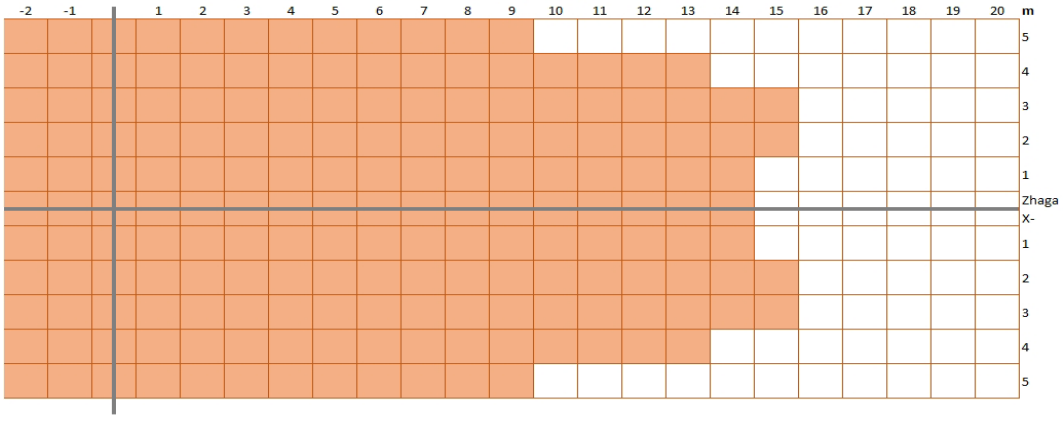
Market Leading Detection Zone

TYPICAL DETECTION DIAGRAM AT 8M MOUNTING HEIGHT



Circular Detection Zone

Only one half of detection zone shown

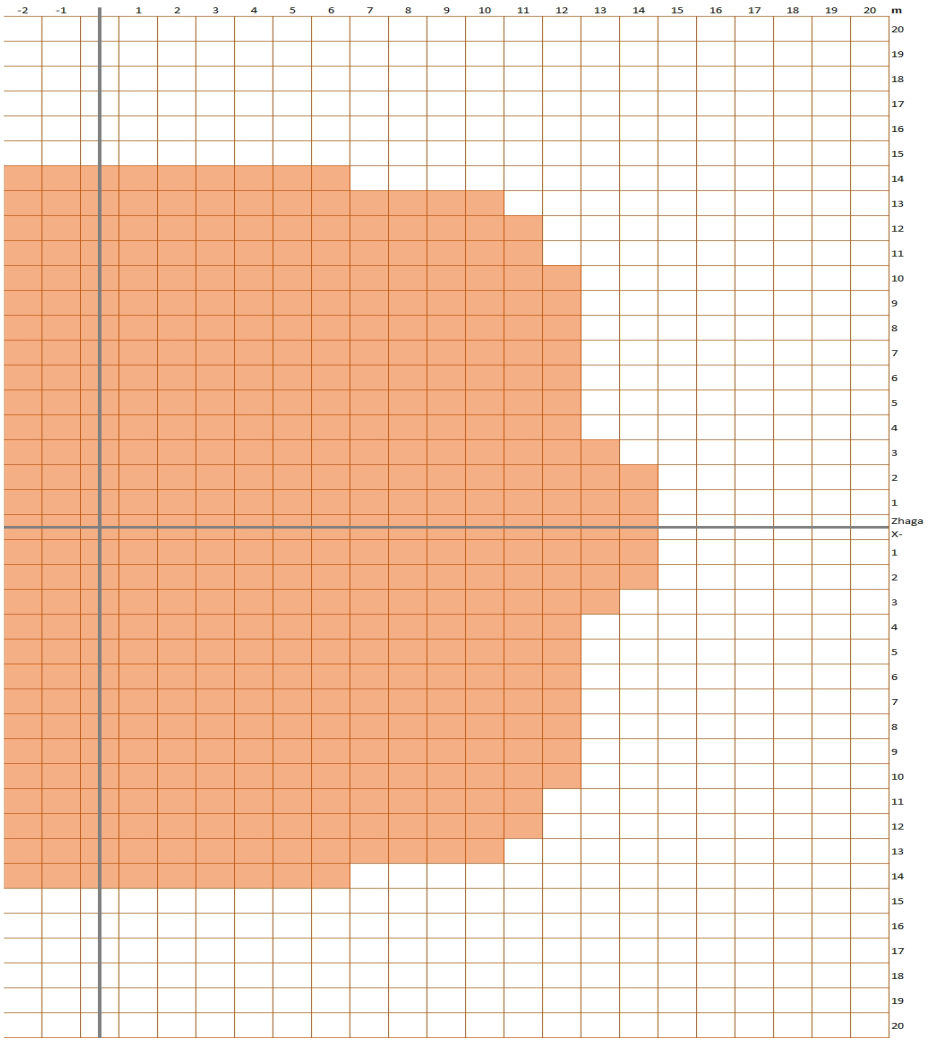


Rectangular detection Zone

Only one half of detection zone shown

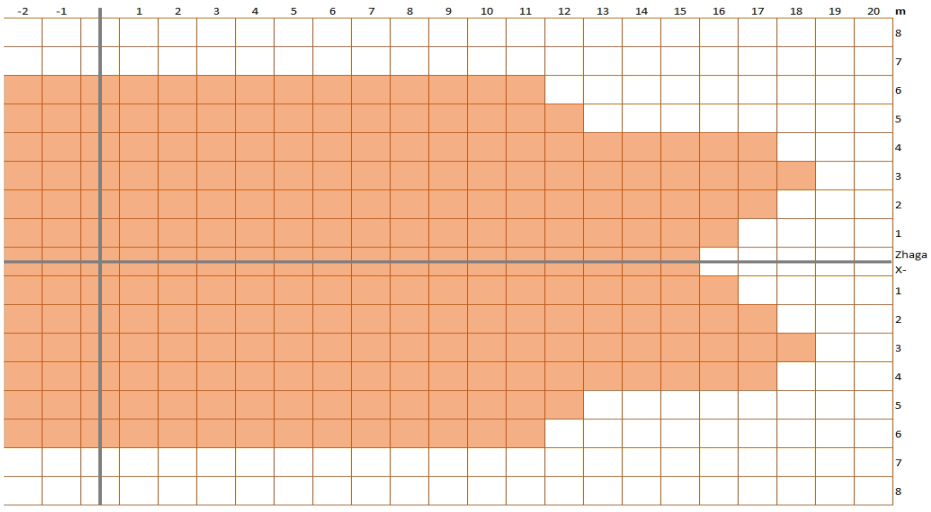
Market Leading Detection Zone

TYPICAL DETECTION DIAGRAM AT 12M MOUNTING HEIGHT



Circular Detection Zone

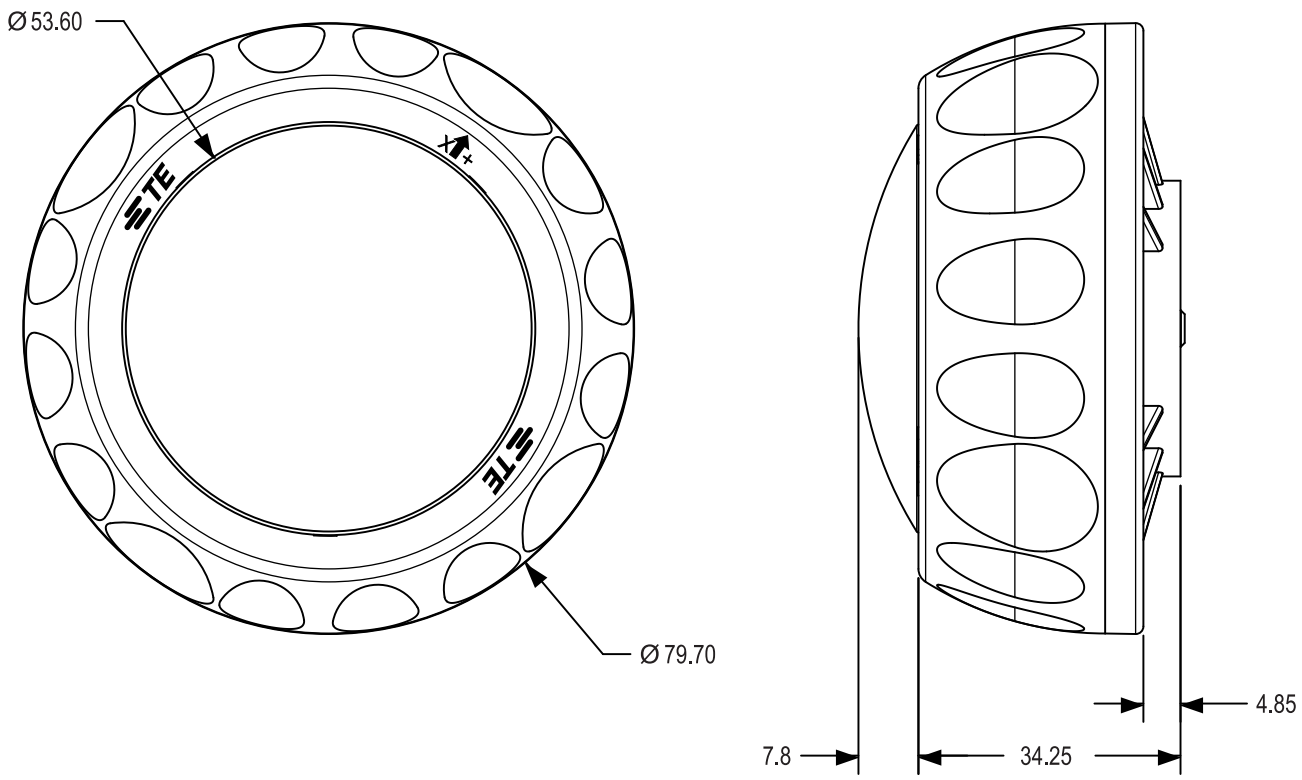
Only one half of detection zone shown



Rectangular detection Zone

Only one half of detection zone shown

Mechanical footprint



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