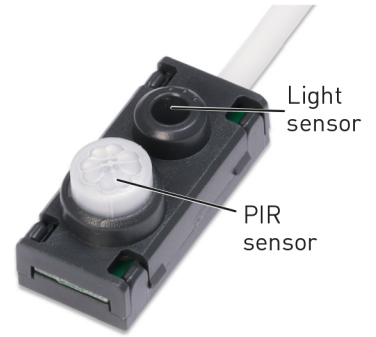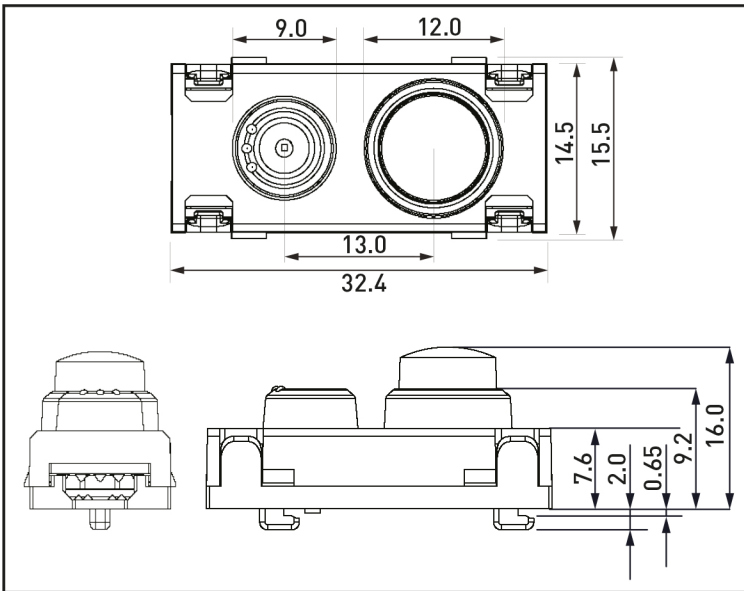# 5630 ActiveAhead Sense Installation Guide

The ActiveAhead Sense is a small luminaire-based sensor that combines a light sensor for constant light control and a passive infrared movement detector.

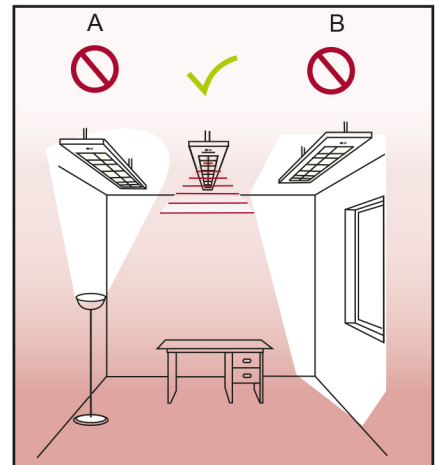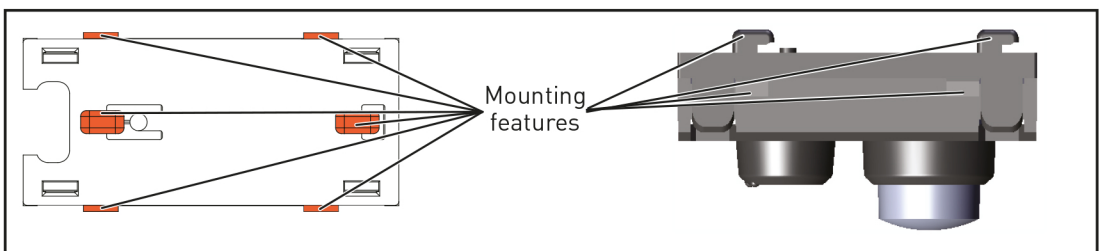This sensor is part of the ActiveAhead wireless self-learning lighting control solution.

Light sensor

PIR sensor

Features

Dimensions (mm)

9.0 12.0
14.5
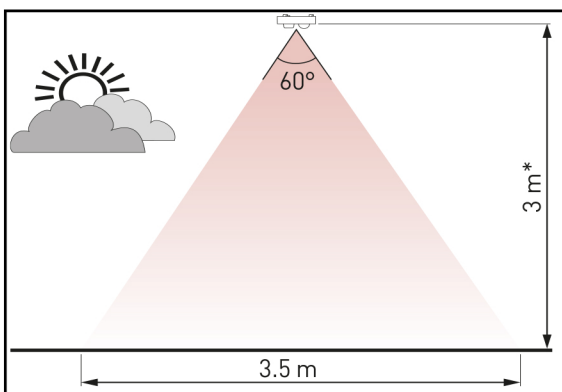15.5
13.0
32.4

7.6 2.0 0.65 9.2 16.0

Recommended Location

A   B

1. Do not place the sensor in direct line of artificial light sources, e.g. lamps or uplighters.
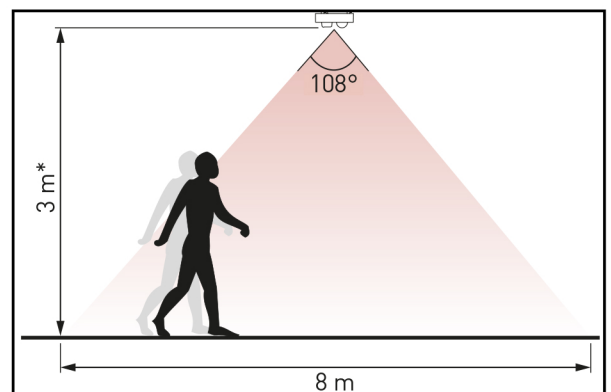2. Do not place the sensor in direct sunlight.
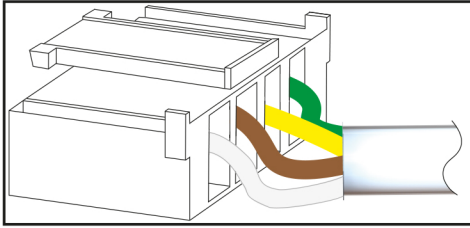
Mounting features

Light Sensor - For constant light functions

60°

3 m*

3.5 m

*Max recommended height 3 m

Presence Detector - Passive infrared (PIR)

108°

3 m*

8 m

*Max recommended height 4 m
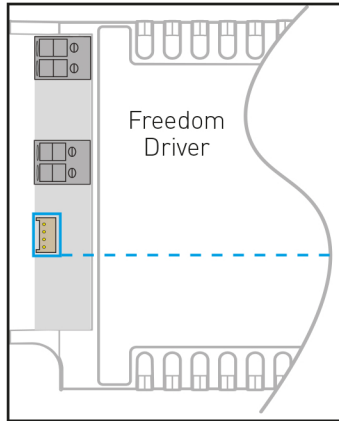
Connection

Connector side/rear view

⚠️ *Note:* Ensure each connector securely 'clicks' into place when plugged in correctly.
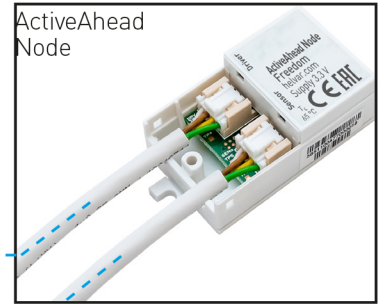
There are two set up scenarios

Set Up 'A' - Using Freedom driver and ActiveAhead Node
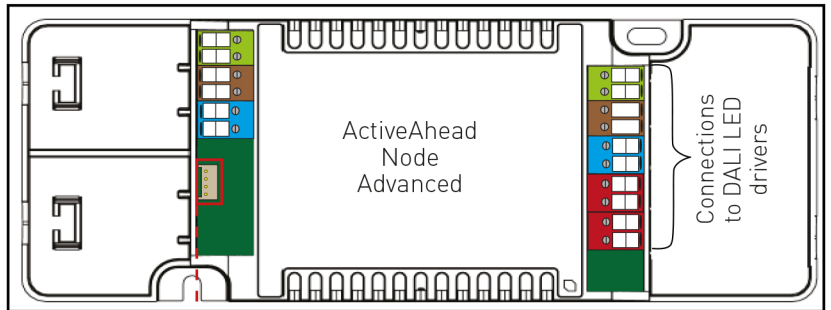

ActiveAhead Sense

Freedom Driver

ActiveAhead Node

Set Up 'B' - Using ActiveAhead Node Advanced

ActiveAhead Sense

ActiveAhead Node Advanced
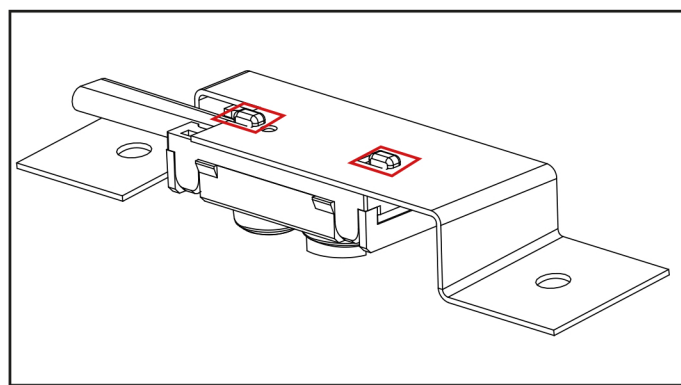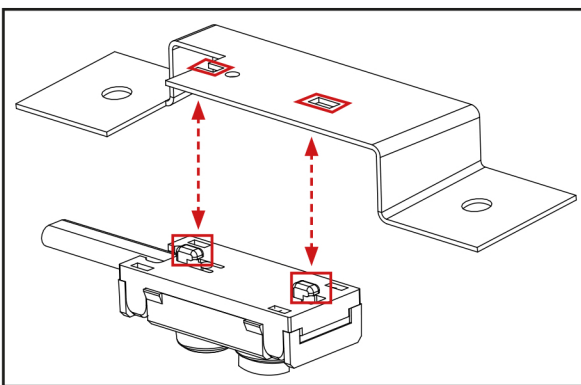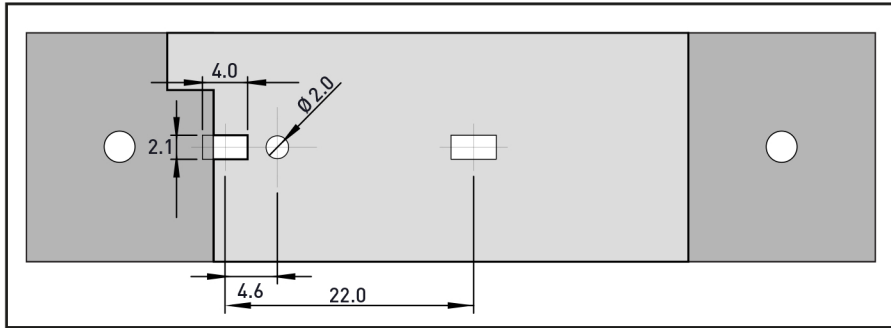
Connections to DALI LED drivers

The following figures show two of several possible methods of mounting the ActiveAhead Sense in a luminaire. In both cases, the sensor is mounted to 22 swg (0.7 mm) sheet metal:

• Option 1 uses the mounting features on the rear of the sensor.

• Option 2 uses the mounting features on the long sides of the sensor.
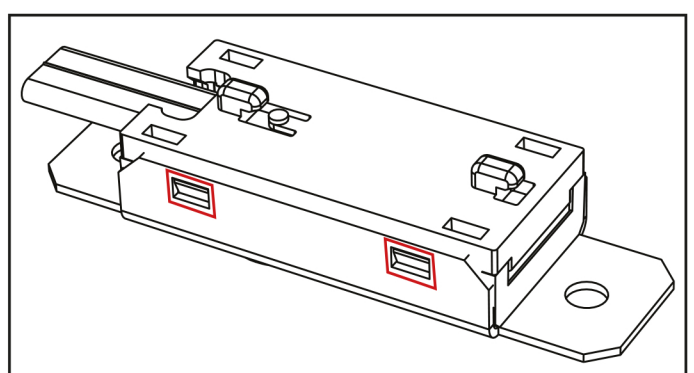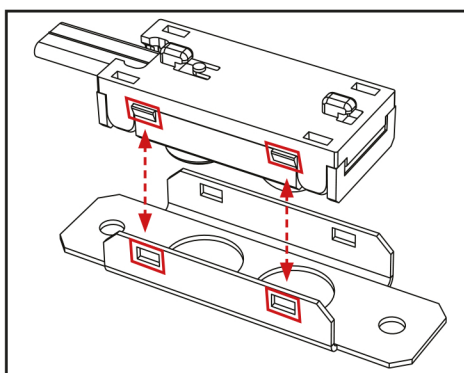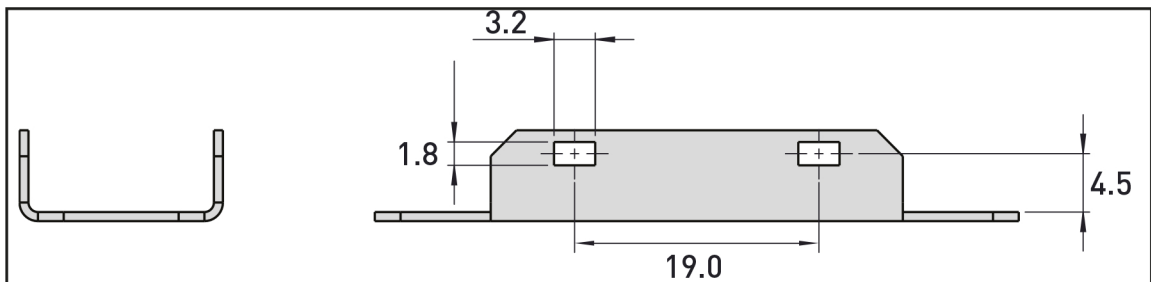
The mounting features can be used to provide customised mounting solutions.

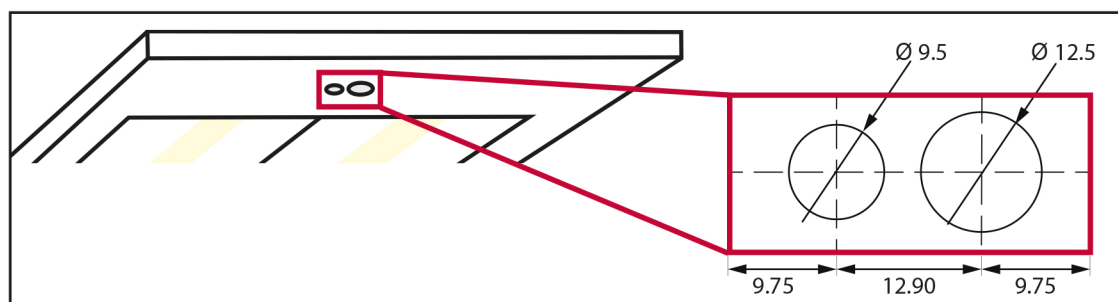The examples shown are for guidance only. Mounting brackets are not supplied. All dimensions are in millimetres.

Option 1

Option 2

Luminaire Dimensions

Note: Sensor holders are available to be used with the ActiveAhead Sense:

5691 - ActiveAhead Sense Rectangular Sensor holder
5692 - ActiveAhead Sense Circular Sensor holder

Technical Data

Connections

ActiveAhead:	Flexible cable terminated with a four-way, 2 mm locking connector.
	Note: If the sensor is connected to non-SELV control gear, the luminaire must be Class I.

Mechanical data

Dimensions:	32.4 mm × 15.5 mm × 18 mm
Material (casing):	Fire-retardant PC/ABS blend.
Colour:	White (RAL 9003)
	Black (RAL 7016)
IP code:	IP30
Weight:	22 g

Operating conditions

Ambient temperature:	–20 °C to +50 °C
	Note: The temperature difference between the detection target and the background must be at least 4 °C.
Relative humidity:	Max. 85 %, noncondensing
Storage temperature:	–20 °C to +70 °C
Illuminance:	5 lx to 5000 lx

Conformity and standards

EMC emission:	EN 55015
EMC immunity:	EN 61547
Safety:	EN 61347–2–11
Environment:	Complies with RoHS directive.

Cable Information

Order Code: 5630-30	Length: 30 cm, Colour: White
Order Code: 5630	Length: 80 cm, Colour: White
Order Code: 5630B	Length: 80 cm, Colour: Black
Order Code: 5630-150	Length: 150 cm, Colour: White