IFS105SE · Keilton+autani

Luminaire sensor for offices and corridors

The IFS105SE is built straight into the luminaire. It detects whether anyone is in the room and measures the daylight. If nobody is there or it is bright enough, it dims the luminaire or switches it off. This turns a standard luminaire into a smart one.



up to 5.5 m
Mounting height
For normal room heights in offices, schools and corridors.

up to 12 m
Detection range
The furthest distance at which movement is detected.

12 V
Power supply
Comes straight from the LED driver – no extra cable.

up to 30 m
Wireless range
Distance over which the luminaires connect wirelessly.

BENEFITS

What the IFS105SE does for you

- **Light only when needed**
  Rooms and corridors without people are dimmed down or switched off.
- **Daylight is put to use**
  When enough light comes through the windows, the sensor turns the luminaire down.
- **Occupancy per luminaire**
  Each luminaire reports to the AU-Manager – the basis for zoning and room use.

AT A GLANCE

What's inside

Detects	**movement and daylight**
Lens	**LBL2, included**
Mounting	**in the luminaire or ceiling**
Colour temperature	**controllable with B2 version**
Set-up	**via the Keilton+autani app**

IN THE SYSTEM

How the IFS105SE fits in

IFS105SE
in the luminaire, detects movement and light
→
Bluetooth mesh
each luminaire becomes a wireless node
→
CR05
Gateway connects the zone
→
AU-Manager
Analysis, schedules, remote access

Each luminaire reports occupancy, switching and dimming status – ready for zoning and room-use analysis.

A GOOD FIT IF …

- ✓ Offices, classrooms and corridors up to approx. 5.5 m
- ✓ LED luminaires with 0-10 V driver and 12 V AUX
- ✓ Tunable white luminaires too (B2 version)

DIFFERENT REQUIREMENT?

Plug-in for panel and troffer luminaires	**IFS108**
Wireless retrofit, battery-powered	**BCS107**
Halls from 6 m height	**EFS106 / EFS104**
Presence with ultrasonic as well	**EFS107E**

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Planning and installation: info@buildingrobotics.de · +49 30 4397929208 · buildingrobotics.de/en/sensors/ifs105se/
Manufacturer data (Keilton+autani), as of November 2026. Subject to technical changes.

Technical data

ELECTRICAL		
Input voltage	**12 V DC**	The sensor is powered by the luminaire's LED driver.
Dimming output	**0-10 V (Class 2), max. 10 mA; B2: 2× 0-10 V (CCT)**	How the sensor controls the luminaire's brightness.
Driver requirement	**Dim-to-off LED driver with 12 V AUX output**	Key requirement – please check on the luminaire.
Cables	**DC30/DC60/DC120 (PH2.0 to tinned ends)**	Connection to the driver, 30, 60 or 120 cm long.

DETECTION AND WIRELESS		
Sensing	**PIR + daylight**	PIR detects people moving, plus light level.
Mounting height	**up to 5.5 m (18 ft)**	Distance between sensor and floor.
Detection range	**up to 12 m (40 ft)**	The furthest distance at which movement is detected.
Lens	**LBL2 (included)**	Included, no separate order needed.
Wireless	**Bluetooth 5.0 (BLE up to 30 m), 2.4 GHz**	Wireless networking, no control cables.

ENVIRONMENT AND HOUSING		
Temperature range	**–30 °C to 55 °C**	Wide range, also for unheated rooms.
Ingress protection	**IP20**	For dry indoor spaces.
Housing	**Flame-retardant plastic (class 5VA), white**	
Installation	**1/2-inch knockout in the luminaire housing; ceiling installation with RC02**	In the luminaire, or in the ceiling with a mounting ring.
Standards	**CE, RoHS (EU Directive 2011/65/EU)**	CE-marked for the EU market, no restricted substances.

INSTALLATION

Fitted straight into the luminaire

Drill
Drill a 1/2-inch knockout in the luminaire housing.

Insert
Insert the sensor and screw it tight, gasket on the outside.

Connect
Connect to the driver with a DC30, DC60 or DC120 cable.

Pair
Add the luminaire in the app and assign it to a group.

ORDERING

Items and accessories

`IFS105SE.B2`	Indoor sensor
`RC02`	Ceiling mount
`DC60`	Connecting cable sensor–driver, 60 cm

FREQUENTLY ASKED QUESTIONS

Which LED drivers do I need for the IFS105SE?
A dimmable driver with dim-to-off function, 0-10 V input and 12 V auxiliary output (AUX). The sensor is powered through it and outputs the dimming signal via 0-10 V.

Can the IFS105SE also control tunable white luminaires?
According to the manufacturer, the IFS105SE.B2 version has a 4-pin connection with dual 0-10 V output for colour temperature control.

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