BCS107 · Keilton+autani

Wireless presence sensor for retrofits

The BCS107 is fitted to the ceiling and needs neither a power nor a control cable. It detects whether anyone is in the room, measures the daylight and sends both wirelessly to the luminaires in its group. The included battery lasts up to ten years.



10 years
Battery life
Up to ten years on one CR123A, which is included.

up to 61 m
Wireless range
Walls, ceilings and the installation can reduce it.

Ø 114 mm
Housing
Compact, round sensor for the ceiling.

IP20
Ingress protection
For indoor use only.

BENEFITS

What the BCS107 does for you

- **Retrofit without cables**
  No new wiring – ideal for existing buildings and spots that are hard to cover.
- **Presence or vacancy mode**
  Light comes on automatically, or you switch it on by hand and it goes off by itself.
- **Occupancy data for rooms**
  The AU-Manager shows when rooms are used, so schedules can be adjusted.

AT A GLANCE

What's inside

Detects	**movement and daylight**
Power	**CR123A battery, 3 V**
Load output	**none, reports wirelessly**
Coverage at approx. 2.7 m	**approx. 6.7 m each way**
Set-up	**via the Keilton+autani app**

IN THE SYSTEM

How the BCS107 fits in

BCS107
on the ceiling, reports presence and light
→
Bluetooth mesh
luminaires in the group switch and dim
→
CR05
Gateway connects the zone
→
AU-Manager
Analysis, schedules, remote access

In the AU-Manager you see when rooms are used – the basis for suitable schedules and time delays.

A GOOD FIT IF …

- ✓ Existing buildings where no cables are to be run
- ✓ Offices, classrooms, washrooms and corridors
- ✓ Luminaires or controllers in a Keilton+autani network

DIFFERENT REQUIREMENT?

Halls and high ceilings	**EFS104 / EFS106**
Sensor directly in the luminaire	**IFS105SE / IFS108**
Presence with ultrasonic as well	**EFS107E**
Manual control via wireless switch	**WP108E**

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Planning and installation: info@buildingrobotics.de · +49 30 4397929208 · buildingrobotics.de/en/sensors/bcs107/
Manufacturer data (Keilton+autani), as of November 2026. Subject to technical changes.

Technical data

POWER AND WIRELESS		
Power supply	**1× CR123A 3 V (battery)**	Battery instead of a power cable, up to ten years.
Wireless	**Bluetooth 5.0, 2.4 GHz ± 75 MHz**	Wireless networking, no control cables.
Range	**up to 61 m (200 ft)**	In buildings it depends on walls and ceilings.

DETECTION		
Sensing	**PIR + daylight**	PIR detects people moving, plus light level.
Environment	**Indoor**	Not for outdoor or damp areas.

ENVIRONMENT AND HOUSING		
Temperature range	**–30 °C to 55 °C**	Permitted range during operation.
Ingress protection	**IP20**	For dry indoor spaces.
Housing	**Flame-retardant plastic (class V-0), white**	
Dimensions	**Ø 114 mm**	Diameter of the round housing.
Standards	**CE, RoHS (EU Directive 2011/65/EU)**	CE-marked for the EU market, no restricted substances.

INSTALLATION

Installed without any wiring

Battery
Insert the CR123A battery; it comes with the sensor.

Fix
Fix to the ceiling; several mounting options are available.

Pair
Add to the zone in the app and assign to a group.

Adjust
Set time delay, dimming levels and light levels in the app.

ORDERING

Items and accessories

BCS107.C1	Battery-powered ceiling sensor
CR123A	Battery (included)

FREQUENTLY ASKED QUESTIONS

Does the BCS107 need a power cable?

No. It is powered by a CR123A battery (3 V), which is included. The manufacturer specifies a battery life of up to 10 years.

Can the BCS107 switch luminaires directly?

It has no load output of its own. It sends presence and daylight information via Bluetooth to the Keilton+autani devices in its group, for example luminaire controllers or luminaires with Bluetooth nodes, which then switch or dim.

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