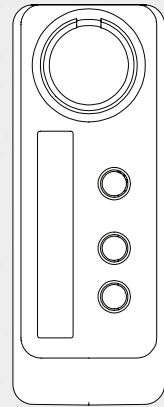
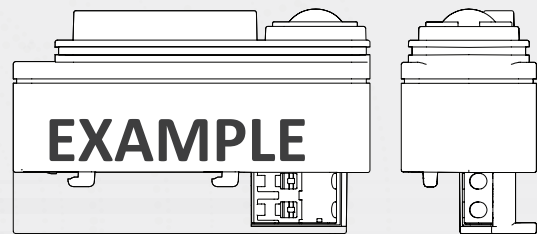


Model #: SNS210



1

On the provided list of device serial numbers, document the location for each sensor.



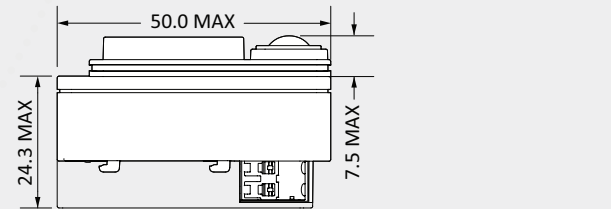
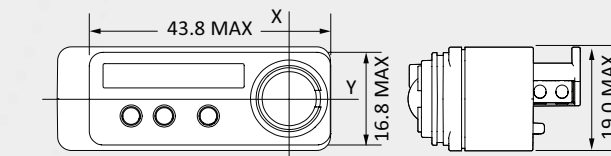
2

FEATURES

- Occupancy sensing, daylight harvesting and task tuning in one device
- Compact in size, 2-wire connection. Fits into existing and new-design luminaires
- Operates with Philips Xitanium SR drivers and qualified wireless switches
- Tunable White with Philips FlexTune driver
- Preset with most common sensor parameters
- Simple grouping of luminaires to a wireless switch with Philips MasterConnect App. Selection of luminaires using a list based on BLE or pointing with standard flashlight.
- Configuration of sensor parameters- at group level or single light level
- Simple room level energy reporting with CSV file saved on the phone
- Applicable in areas like - Conference rooms, Individual/Open offices, Classrooms, Restrooms, Lobbies, Canteen or coffee areas, Stairways, Storage and break areas
- 5-year limited system warranty with Philips Xitanium LED drivers
- Cost-effective solution for energy savings
- Enables multiple modes such as manual-on/auto-off or manual on/off
- Quick task tuning in the field to optimize light levels, color temperature and power
- Configuration and commissioning from the floor
- Compatibility with qualified gateways

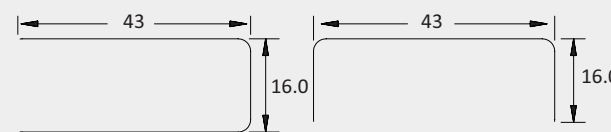
3a

DIMENSIONS

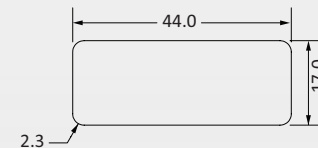


MOUNTING DIMENSIONS (MM)

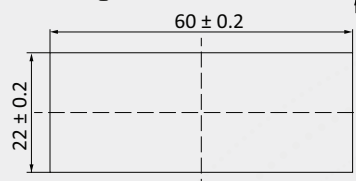
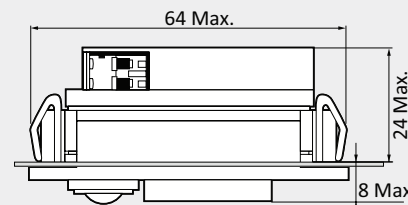
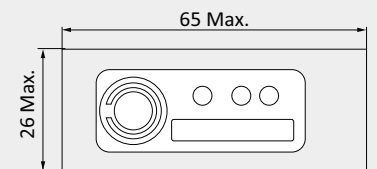
Mounting in U-shaped slot in sheet metal (max thickness 1 mm), tolerance +0.2 mm/-0.0 mm



Mounting in cut-out in sheet metal (thickness 0.7 mm to 1.2 mm), tolerance +/-0.2 mm



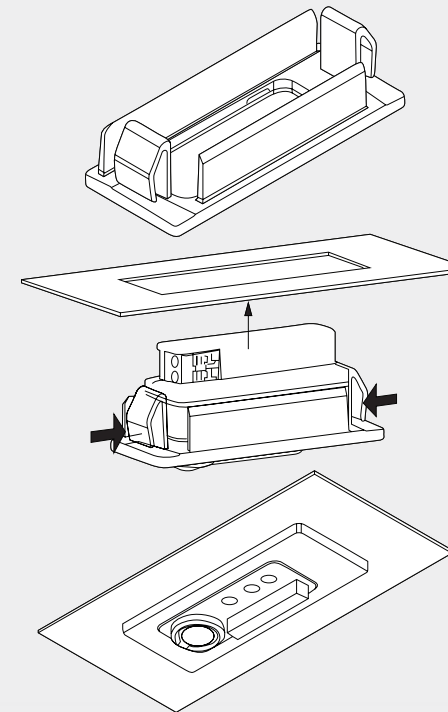
WALL MOUNTING



Accessories	Colour	12NC
SMB-50 /w	White	9290 028 13706
SMB-50 /g	Grey	9290 028 12806
SMB-50 /b	Black	9290 021 37306

3b

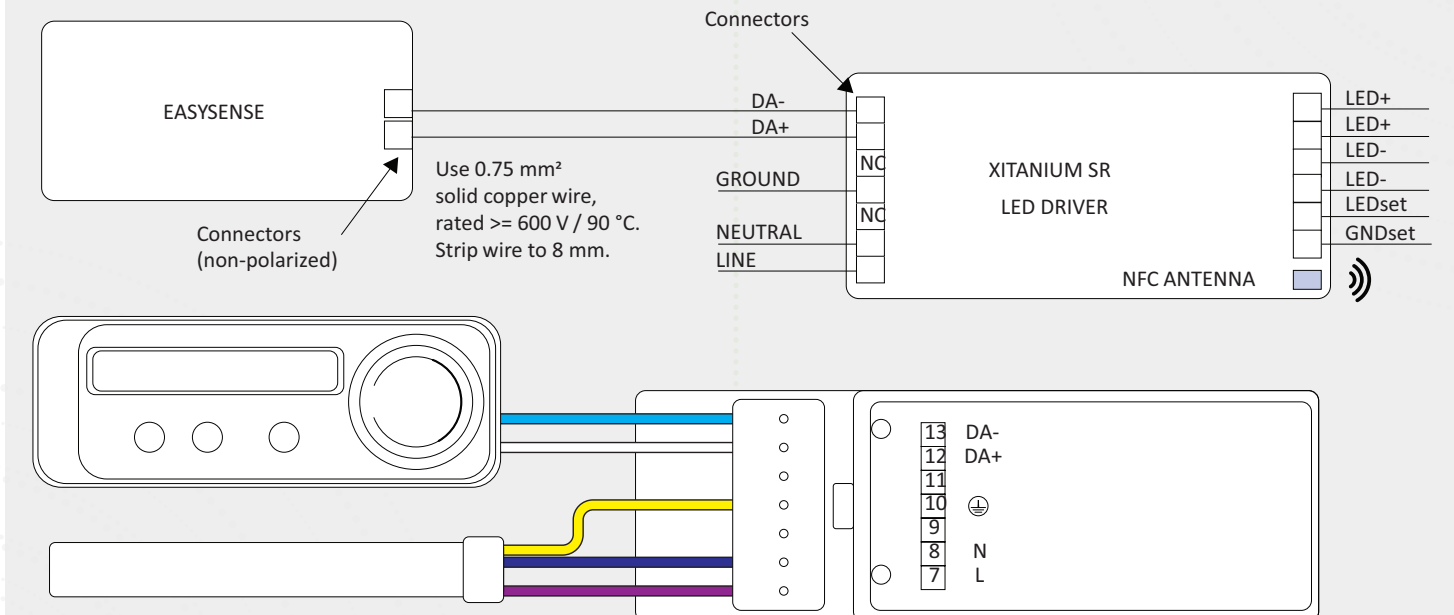
The EasySense SNS210 can be mounted in a surface mounted bracket (SMB-50). Refer the figures for details on mounting and design-in into luminaire. All dimensions are in mm.



Press springs inwards on both sides before the bracket can slide-in the luminaire hole.

5

WIRING DIAGRAM



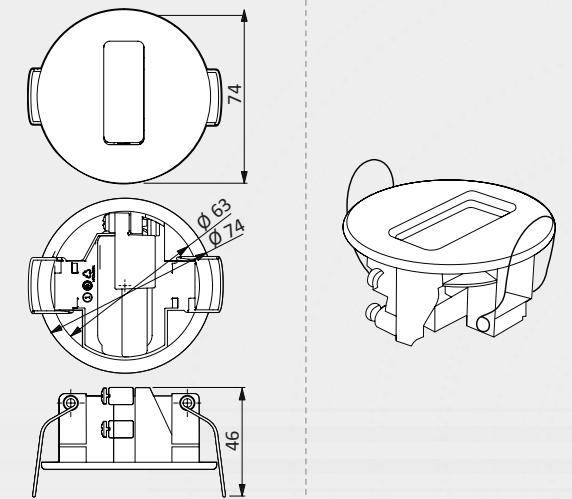
4

CEILING INSTALLATION

EasySense SNS210 can be mounted outside of the luminaire using the recessed ceiling mount bracket CMP/w. For cutout in the ceiling and mounting, refer the figures below. All dimensions are in mm.

Please note that below accessory CMP/w does not contain a sensor. Assembly of sensor with CMP accessory should be carried out by OEM or installer. The wiring is included with this bracket and should be kept <2m from Xi SR Driver or SR Bridge.

Product	Colour	12NC
CMP/w	White	9290 021 37106



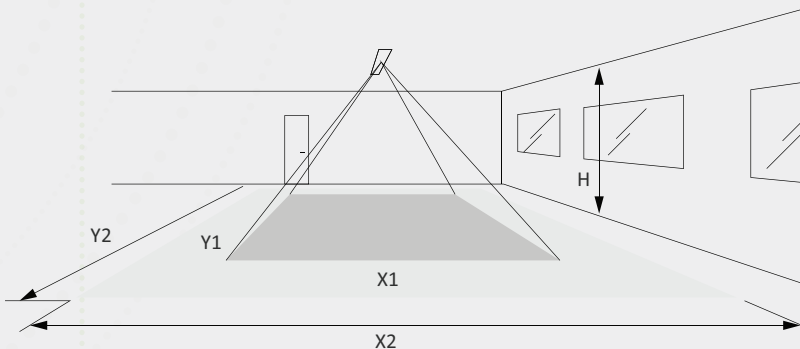
6

OCCUPANCY SENSING

The detection area for the movement sensor can be roughly divided into two parts:

- Minor movement (person moving ≤ 0.9 m/s).
- Major movement (person moving ≥ 0.9 m/s)..

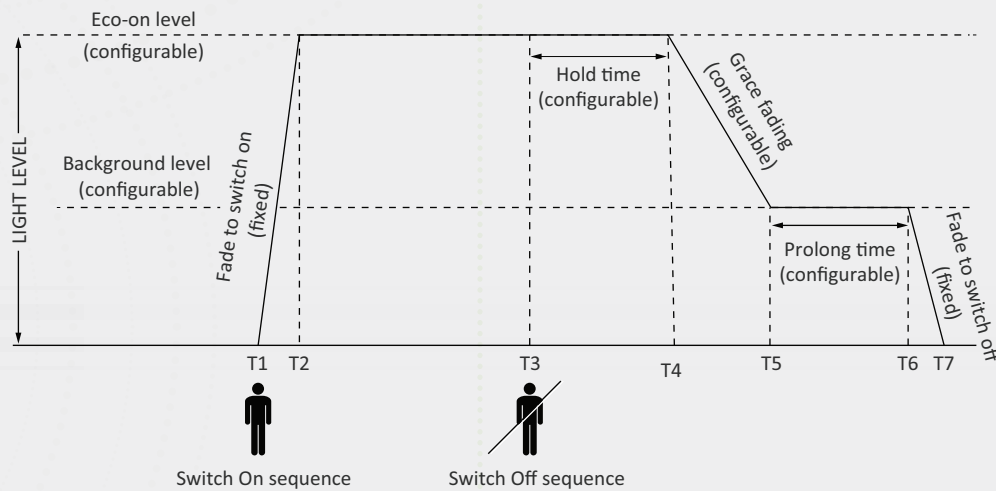
Height	Minor Movement		Major Movement	
h	X1	Y1	X2	Y2
2.4 m	1.9 m	2.9 m	2.9 m	4.3 m
3 m	2.4 m	3.6 m	3.6 m	5.4 m



Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension of EasySense SNS210.

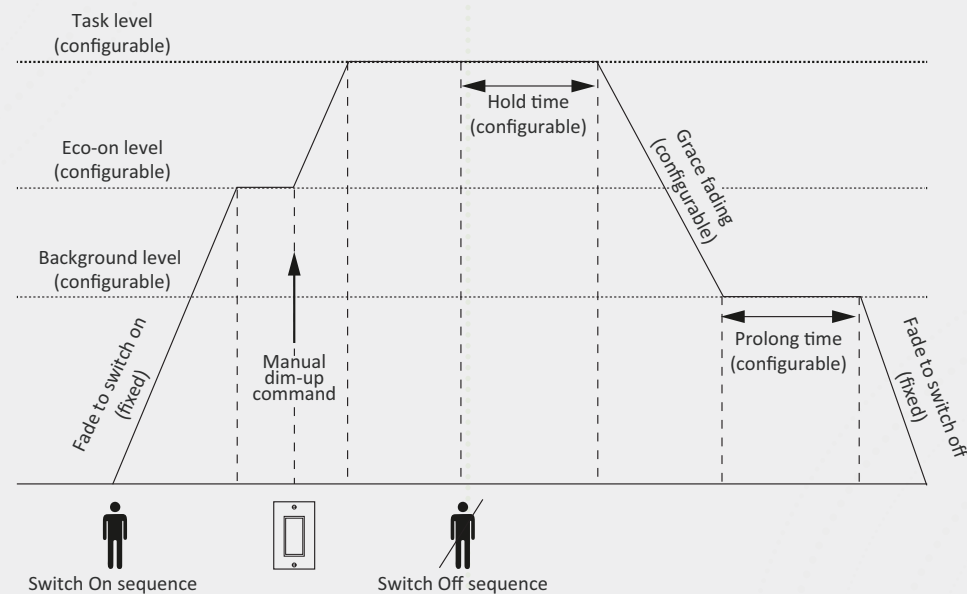
Full-On Sequence (Default)

Eco-On Level = Task Level



Partial-On Sequence (Configurable)

Eco-On Level < Task Level



7

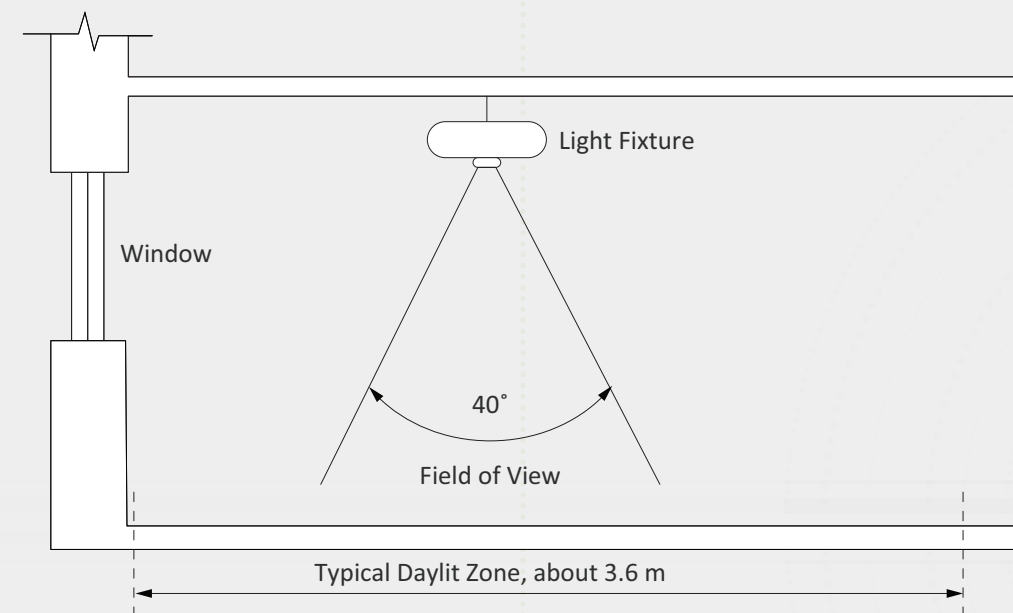
DAYLIGHT SENSOR

The light sensor measures the total amount of light in a circular field of $\approx 80\%$ of the PIR detection area. The following aspects should be observed during installation:

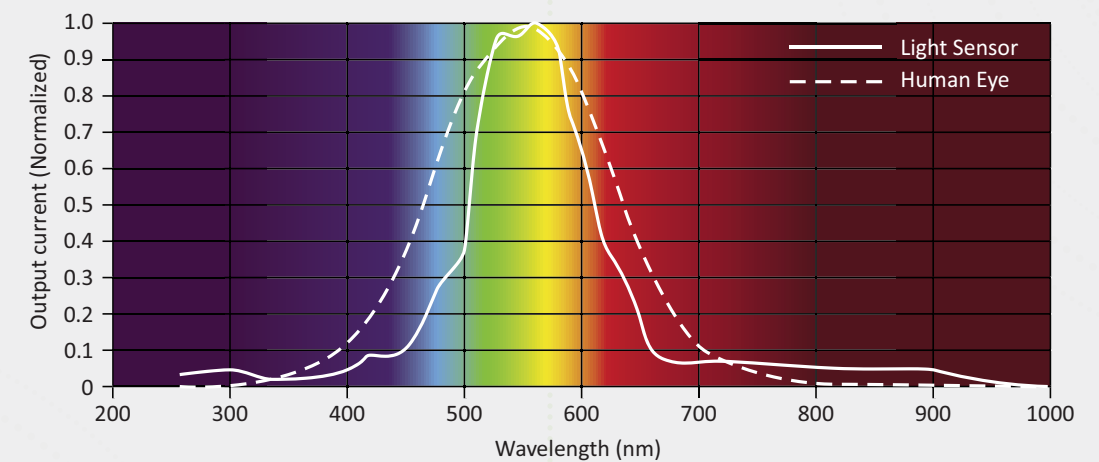
- Minimum distance from the window ≥ 0.6 m.
- Prevent light reflections from outside entering the sensor (for example sunlight reflection on a car bonnet) as this will lead to incorrect light regulation.

As a guideline the formula $0.72 \times H$ can be used to calculate the minimum distance between the window and sensor whereby H is the height from the bottom of the window to the ceiling.

Photosensor Spatial Response



Photosensor Spectral Response



9

RESET INSTRUCTIONS

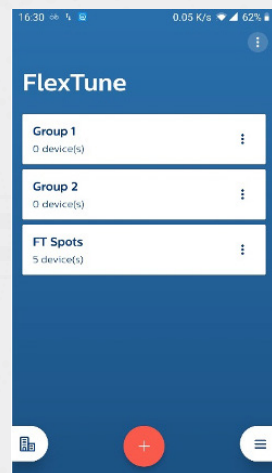
Note: Reset functionality may only work on the iOS version of the application.

Purpose:

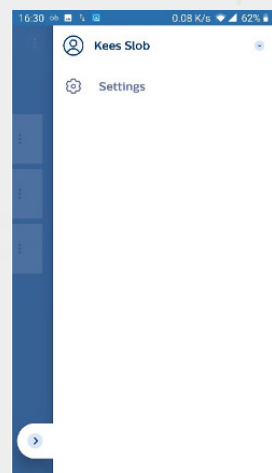
- When the smartphone used to commission system is not available, components cannot be removed via the standard method. Instead, components shall be reset via the Safe Mode.

How to:

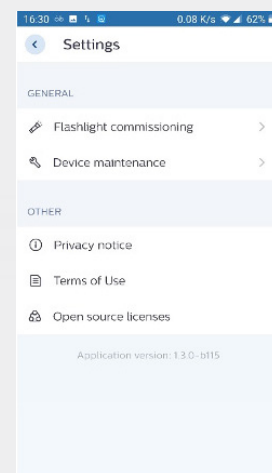
- Download and install the Phillips MasterConnect application from the Apple App Store or Google Play App Store.
- When opening the app for the first time, register with your e-mail address. You will receive an e-mail with a 6-digit verification code that needs to be filled in the app. Register with your name.
- The luminaires must be powered ON for more than 15 seconds.
- Power OFF mains for more than 10 seconds but less than 15 seconds (disconnect device from mains).
- Power ON mains for more than 2 seconds but less than 10 seconds (reconnect device to mains).
- Repeat above process for 4 times.
- On the 5th cycle, leave the fixtures powered ON at the end. You should see a short dim-down/dim-up signal. Sensors are now in Safe Mode.
- Scan with "Device Maintenance" to discover the sensors that are now In Safe Mode and Reset them, see screenshots below:



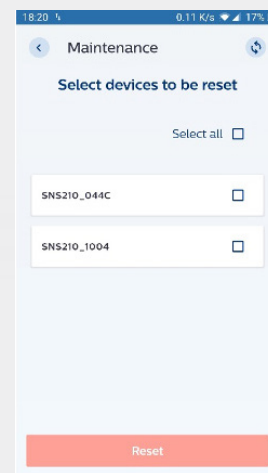
Click on three lines in the right-bottom corner



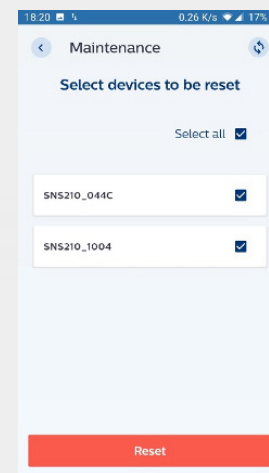
Click on "Settings"



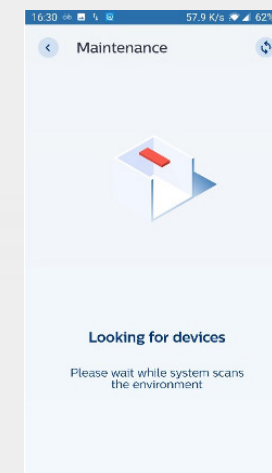
Click on "Device Maintenance"



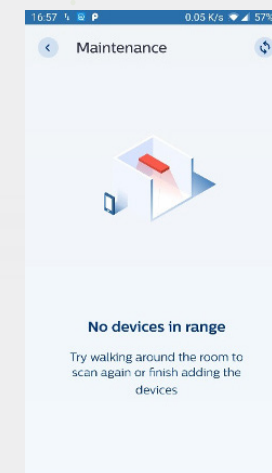
Click on "Select all"



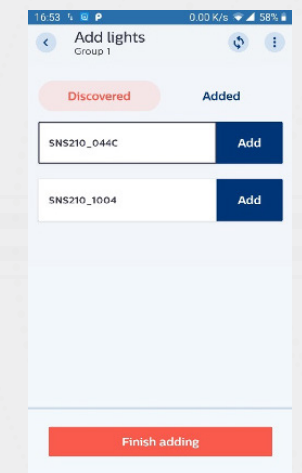
Click on "Reset"



App will start looking for devices



If Reset was successful, no devices in Safe Mode are found (If devices are still visible: press "Reset" again)



If you want to add a light in a group, they are visible now.