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PLT-17265QG\_EasySense SNH200 QIG 04/18

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PHILIPS

Sensors

EasySense

Outboard-Mount  
for High Bay



## Philips EasySense Outboard-Mount for High Bay Quick Installation Guide

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A connection between the sensor and the driver should be made according to local practices. The SR input wires of the EasySense for High Bay are not polarized for fixtures using one driver and one sensor, and therefore can be connected, without taking care of polarity, to the SR output of the driver – SR+ and SR- terminals. It is recommended to keep wire distance from sensor to driver less than 50 feet. Polarity must be maintained when connecting multiple drivers to one sensor. The wire strip length in case of sensor to driver connection is ~8mm.

### Wire to driver connection

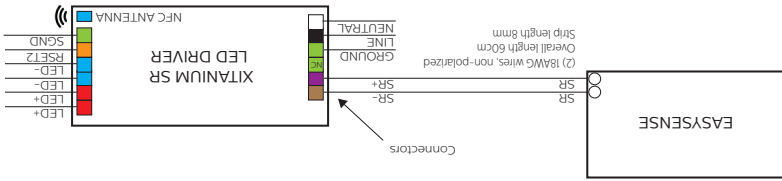
The wire strip length in case of a wire to wire connection is connector dependent.

SNH200 includes 18AWG wires, 60cm in length with 8mm strip length. A wire to wire connection can be made with connectors or wirenuts suitable for 18AWG solid wire.

### Wire to wire connection



**Note:** Above depicts connecting wires from sensor to Titanium SR drivers that include connectors. For connection to Titanium SR drivers that include leads, use wirenuts suitable for 18AWG solid wire.



### Wiring requirements

Specifications available at [www.philips.com/titaniumsr/na](http://www.philips.com/titaniumsr/na).

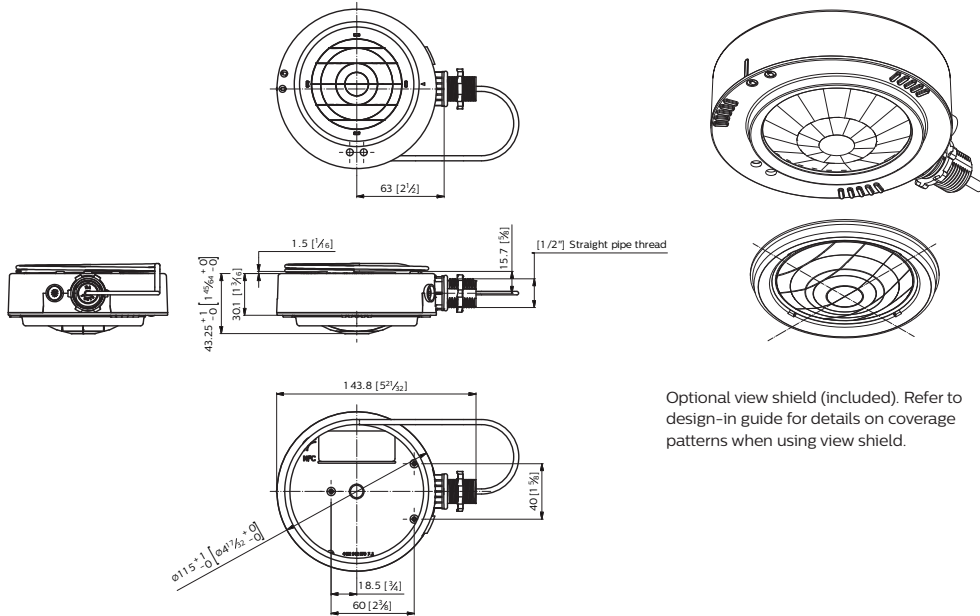
Driver Model Number	Description
X1040C110V054VPT1	Xtitanium 40W 0.1-1.1A 27-54V 120-277V SR
X1075C200V054VPT1	Xtitanium 75W 0.1-2.0A 27-54V 120-277V SR
X1075C070V118VSY1	Xtitanium 75W 0.07-0.70A 43-118V 120-277V SR with AUX
X1075C105V079VSY1	Xtitanium 75W 0.105-1.05A 32-79V 120-277V SR with AUX
X1095C275V054VFP1	Xtitanium 95W 0.03-2.75A 27-54V 120-277V SR
X1095C275V054VSP1	Xtitanium 95W 0.03-2.75A 27-54V 120-277V SR with AUX
X1150C070V235VSP1	Xtitanium 150W 0.07-0.70A 78-235V 120-277V SR with AUX
X1150C105V157VSP1	Xtitanium 150W 0.105-1.05A 44-157V 120-277V SR with AUX

### Compatible LED drivers

Commercial Product Name	Order Code
EasySense Outboard-Mount for High Bay	SNH200

### Sensor part number

## Sensor Dimensions, mm [in]

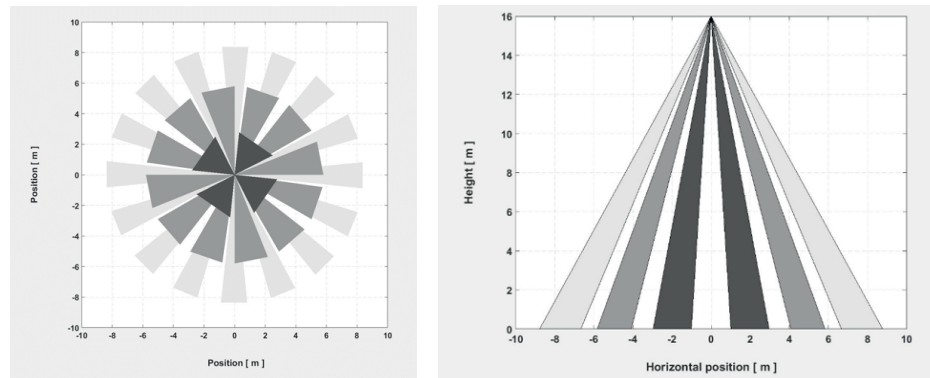


## Mounting in a Luminaire

EasySense for High Bay is intended to be mounted to a standard 1/2" knockout available on the luminaire itself or a junction box. A washer and locknut are included with the sensor for this purpose. An OEM can develop custom brackets to attach to the top surface of the sensor in case the sensor needs to be mounted to a curved/non-flat surface. Mounting screws are provided with the sensor for this purpose. These screws are matched to the thickness of the plastic sensor housing. In case other screws are used, ensure that they do not protrude through the sensor plastics. Also make sure that the view of the sensor is not blocked anywhere by the luminaire or the bracket to avoid loss of functionality.

## Occupancy Sensing Coverage Pattern

Based on 16m mounting height



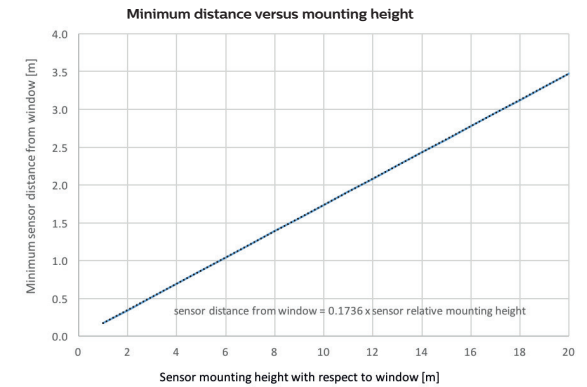
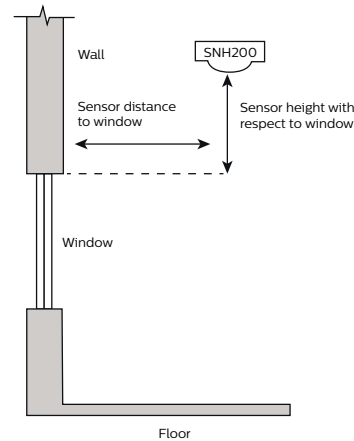
## Daylight Sensor

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  $\geq 2.0/0.6m$ .
- 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



Note: Restrictions only for daylight regulation. No restrictions for skylights.

## Configuration via Mobile App

Note: Use of IR requires a specific IR dongle from Philips to configure and group from floor level. Consult your Philips representative.

EasySense parameters can be configured via Philips field apps available for Android phones. Two options are available:

1. EasySense NFC – This app allows configuring EasySense parameters only when you can physically access the sensor with a smartphone.
2. EasySense Industry IR – This app allows configuring EasySense parameters plus enables grouping to a wireless switch, which can be done with an Android phone and a specific IR dongle from Philips.

You must first register for Philips field apps to receive a username and password, then download Philips field apps from the Google Play Store. Refer to [www.philips.com/easysense](http://www.philips.com/easysense) for details, including applicable Android phones and user manuals.

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This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

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