

EasySense SNS200 Sensor for Advanced Grouping

Philips Specifications

Section I - Physical Characteristics

- 1.1 Sensor shall be suitable for integration into a light fixture.
- 1.2 Sensor shall have a slim profile with height ≤ 1.26 in and width ≤ 0.75 in. and length ≤ 1.97 in.
- 1.3 Sensor shall be two-wire connection only to driver.

Section II - Performance Requirements

- 2.1 Sensor shall be compatible with SR LED drivers.
- 2.2 Sensor shall be capable of operating with up to (4) SR LED drivers.
- 2.3 Sensor shall use the zigbee wireless protocol based on IEEE 802.15.4 with AES-128 encryption.
- 2.4 Sensor shall have occupancy detection capability via passive infrared (PIR).
- 2.5 Sensor shall support light control based on local and shared occupancy
- 2.6 Sensor shall support light control based on daylight detection and have auto-calibration.
- 2.7 Sensor shall be capable of task tuning between 5% and 100%.
- 2.8 Sensor shall be capable of auto-off/manual-on and auto-off/partial on functionality.
- 2.9 Sensor shall have independent settings for task level, background level and eco-on level.
- 2.10 Sensor and driver shall have combined standby power less $< 1W$.
- 2.11 Sensor shall have an operating temperature range of 0C to 55C (32F to 131F).
- 2.12 Sensor shall be capable of grouping up to (40) together and compatible with qualified wireless switches.
- 2.13 Sensor shall be capable of spacing from sensor-to-sensor up to 33 ft.
- 2.14 Sensor shall be configurable via handheld tool when unpowered, or from a 2 meter distance when powered.
- 2.15 Sensor shall be capable of being used for scene setting application.

Section III - Regulatory

- 3.1 Sensor shall be Underwriters Laboratories (UL) listed per UL916, Canadian Standards Association (CSA) listed per CSA C22.2 No. 205-12.
- 3.2 Sensor shall have a digital interface to the SR driver that meets UL Class 2 requirements.
- 3.3 Sensor shall comply with applicable requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 15, for Non-Consumer equipment.
- 3.4 Sensor shall meet requirements in California Title 20.
- 3.5 Sensor shall be listed in the Design Lights Consortium (DLC) Qualified Products List (QPL) for Networked Lighting Controls (NLC).
- 3.6 Sensor shall be RoHS compliant.
- 3.7 Sensor shall not contain any Polychlorinated Biphenyl (PCB).

Section IV - Other

- 4.1 Sensor shall be manufactured in a factory certified to ISO 9001 Quality System Standards.
- 4.2 Sensor shall carry a five-year limited warranty from date of manufacture against defects in material or workmanship, including replacement, for operation at a maximum case temperature of 55C (Go to our web site for up-to-date warranty information:
www.usa.lighting.philips.com/connect/tools_literature/warranties.wpd).
- 4.3 Manufacturer shall have a 20-year history of producing lighting electronics for the North American market.
- 4.4 Sensor shall be Philips Part # SNS200 or approved equal.