project name	type
catalog number	voltage
approved by	date

NLC Screw-in Wireless PIR Motion Sensor: Bluetooth® Mesh

HIGHLIGHTS

- Screw-in Wireless PIR Motion Sensor for Network Lighting Controls (NLC) using SIG Qualified Bluetooth® mesh
- Designed for use with EiKO fixtures featuring screw-in receptacle for quick and easy screw-in installation in the field
- The free iOS/Android App powered by Silvair is used for onsite commissioning which includes setting up areas/grouping/zoning, creating profiles which includes setting high and low end trim, occupancy or vacancy, daylight harvesting, ambient threshold (Photocell), time delay, as well as personal control
- The Web App powered by Silviar is used for optional offsite pre-planning which includes setting up areas/grouping/zoning (pre-commissioning not required) and creating profiles (includes setting high and low end trim, occupancy or vacancy, daylight harvesting and time delay)
- No hubs, gateway, or routers are required to make a complete mesh network. The unit can pair with the Silvair iOS/Android App to allow initial setup and subsequent adjustments
- Easily incorporate additional BLE devices like wall/wireless controllers, sensors, fixture controllers, range extenders, and timekeepers
- Over-the-air Firmware upgrade available via iOS/Android App
- A device that is part of EiKO's NLC System

CERTIFICATIONS

- UL Listed for US & Canada
- RoHS Compliant
- FCC Compliant
- ICES-005
- IP65 Rated

PERFORMANCE

- Onboard Omnidirectional Antenna
- Operational frequency: 2.4 GHz - 2.483 GHz
- Mounting Height: 8-40ft
- Communication Range: up to 200ft*
- Continuous and Bi-Level Dimming

ELECTRICAL

- Input voltage: 12-24VDC
- Input current: 50mA
- Dimming: 0-10V

THERMAL

- -4°F to 140°F (-20°C to 60°C) operating temperature

CONSTRUCTION

- High strength, UV resistant white plastic housing
- Screw-in installation

COMPATIBILITY

- Fixtures: AAL1, PG1, LH1, LHC1, HBV2, BAYE3, HBX2, HBX3, FL5, and SIG2

WARRANTY

- 5-Year limited warranty available online. Contact your EiKO sales rep for additional details.

APPLICATIONS

- Warehouses
- Parking Garages
- Parking Lots
- Car Dealerships
- Soccer Fields
- Parking Lots

KEY FEATURES

SCREW-IN DESIGN

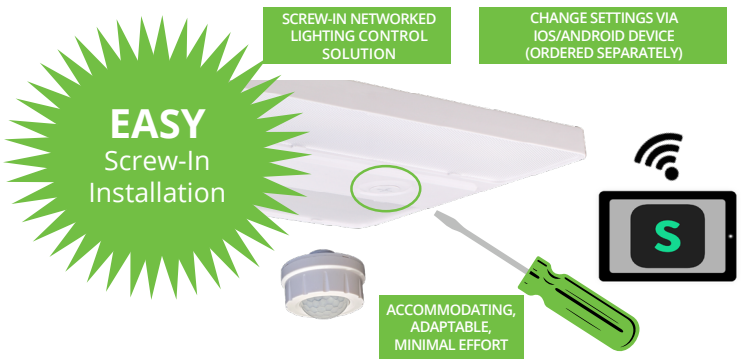
Makes adding a networked lighting control solution simple and easy; to be used with fixtures that can accomodate a screw-in control solution (see above for compatibility).

EASILY CHANGE FACTORY DEFAULT SETTINGS

Simply use an iOS/Andriod device (purchased separately) to change brightness (high-end trim), dim level, sensitivity, hold time, and dim time. Enable or disable the sensor, set groups and zones.

DYNAMIC SYSTEM EXPANSION

Support the dynamic expansion of the system by accommodating additional devices with minimal effort, ensuring scalability and adaptability.



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AVAILABLE MODELS

ORDER	ORDER CODE	ITEM #	INPUT VOLTAGE	SENSOR TECHNOLOGY	DAYLIGHT HARVESTING	WIRELESS TECHNOLOGY	DIMMING	MOUNTING HEIGHT	COMMUNICATION RANGE*	INSTALLATION TYPE
	13865	SENA-WPPA-WH	12-24VDC	PIR	Yes	Bluetooth® SIG Mesh	0-10V	8-40ft	200ft	Screw-in

**Communication range highly depends on the intergrated fixtures, surrounding environment, and conditions. It is recommended to conduct testing in each unique application for range accuracy.*

ACCESSORIES

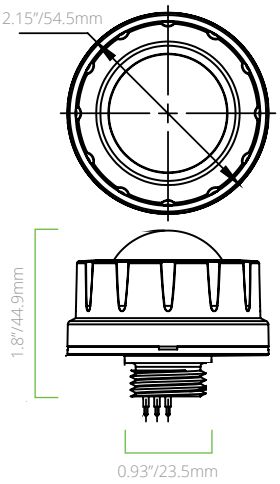
ORDER	ORDER CODE	ITEM #	DESCRIPTION
	14431	SENA-AP-WH	Screw-In IP65 White Stem Swivel Mounting bracket, 12-24VDC Max. 22AWG 2ft V+(1:Yellow) Dim-(2:Pink) Dim+(3:Purple)

COMPATIBLE BLE DEVICES

ORDER	ORDER CODE	ITEM #	DESCRIPTION
	12635	PSC-DM-WS-100-BLE-SR	BLE TruBlu Single Button Bluetooth Mesh Wall Controller 120-277V White
	12636	PSC-DM-I-WS-100-BLE-SR	BLE TruBlu Wireless Occupancy or Vacancy Sensor Dimming Wall Controller 120-277V White
	12637	PSC-DM-WS-400-BLE-SR	BLE TruBlu 4-Button Wireless Bluetooth Mesh Wall Controller 120-277V White
	12654	ESRPB-W-EO	BLE Easyfit by EnOcean Single Rocker Pad Wireless Controller Self-powered White
	12655	EDRPB-W-EO	BLE Easyfit by EnOcean Double Rocker Pad Wireless Controller Self-powered White
	12994	PSC-RET-100-BLE-SR	BLE TruBlu Range Extender 120-277V 800ft Nema 4x Outdoor Enclosure
	12993	PSC-TKP-200-BLE-SR*	BLE TruBlu Battery backup Timekeeper and Range Extender 120V 800ft Nema 4x Outdoor Enclosure
	12634	PSC-WCM-450-BLE-SR	BLE TruBlu Wireless Control Module 0-10V dimming 12V AUX 300mA 120-277V 16A 100ft
	13234	SGW-101*	BLE Silvair Gateway SGW-101 Manufactured by Rigado (model: Cascade-500). 5-year from Silvair warranty and tech support.

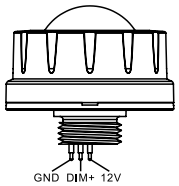
**Recommended to use for scheduling feature.*

PRODUCT DIMENSIONS



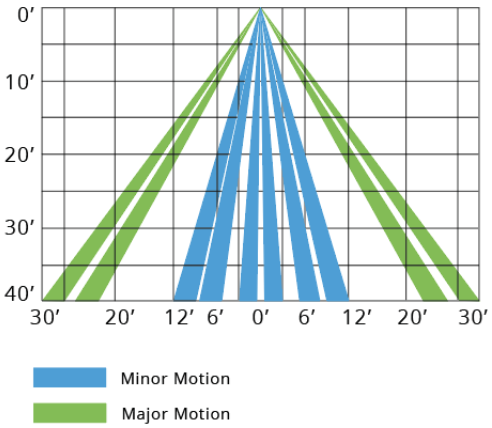
SENA-WPPA-WH

PIN DESCRIPTION

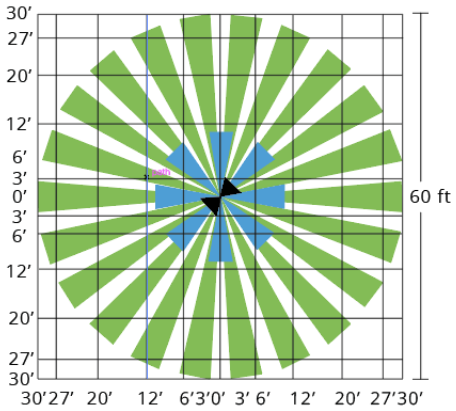


SENSOR DETECTION COVERAGE

COVERAGE SIDE VIEW

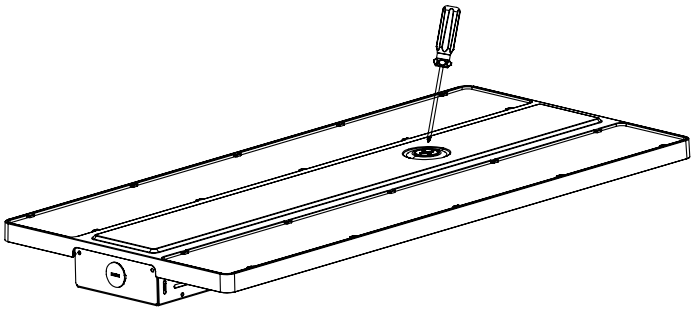


COVERAGE TOP VIEW

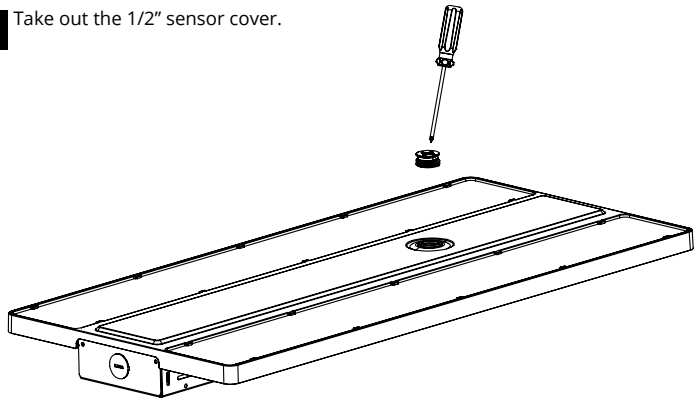


INSTALLATION INSTRUCTIONS

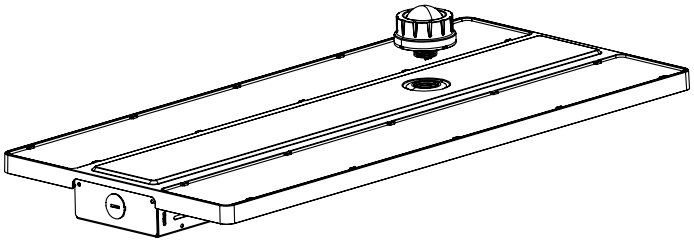
1 Use a Philips screwdriver, loosen the 1/2” sensor cover.



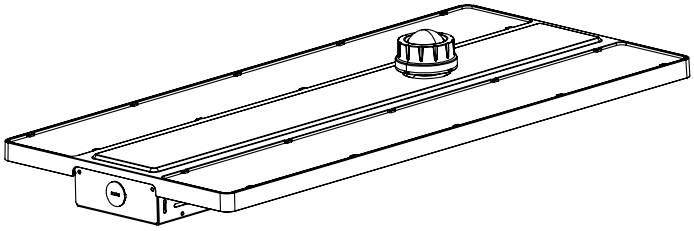
2 Take out the 1/2” sensor cover.



3 Align the sensor with the sensor receptacle.



4 Securely screw the sensor in place.



PAIRING AND COMMISSIONING:

Please refer to the Silvair Commissioning User Manual for pairing and commisioning instructions. Download it here.

Looking for Commissioning Instructions? Use QR Code below or Download it here.

To access Silvair apps.

Mobile App: Silvair on the App Store

Download on the App Store

GET IT ON Google Play

Web App: platform.silvair.com

WWW

RESETTING A PAIRED SENSOR:

While the sensor is powered on, place a strong magnet on the side of the sensor reset label. The LED fixture will blink twice to indicate that the sensor has been reset.

FCC STATEMENT:

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference.
  (2) This device must accept any interference received, including interference that may cause undesired operation.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- **Caution:** The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of theFCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  -Reorient or relocate the receiving antenna.
  -Increase the separation between the equipment and receiver.
  -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
  (1) This device may not cause interference.
  (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
  1) L'appareil ne doit pas produire de brouillage;
  2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- To satisfy FCC&IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended. Les antennes installées doivent être situées de facon à ce que la population ne puisse y être exposée à une distance de moin de 20 cm. Installer les antennes de facon à ce que le personnel ne puisse approcher à 20 cm ou moins de la position centrale de l'antenne.

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