DALI BLE Fixture-Integrated Sensor Controller

Product Datasheet
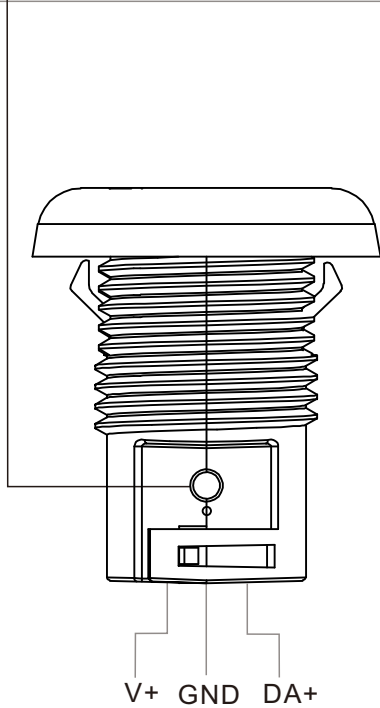
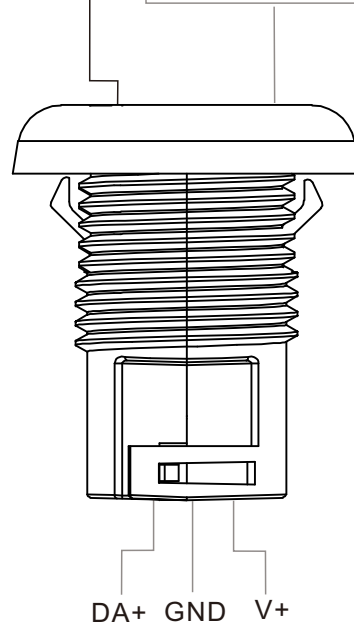**Please read all instructions before installation**

Product info

Reset Key: Press it to help withdraw the device from internet/APP, LED flashes quickly indicates success.

Indicator: Turns RED when movement has been detected.

Light sensor: Ambient light detection and daylight harvesting

V+   GND   DA+

DA+   GND   V+

Note:

V+: Power supply   GND: Common port for V- & DA-   DA+: DALI signal port

Parameters

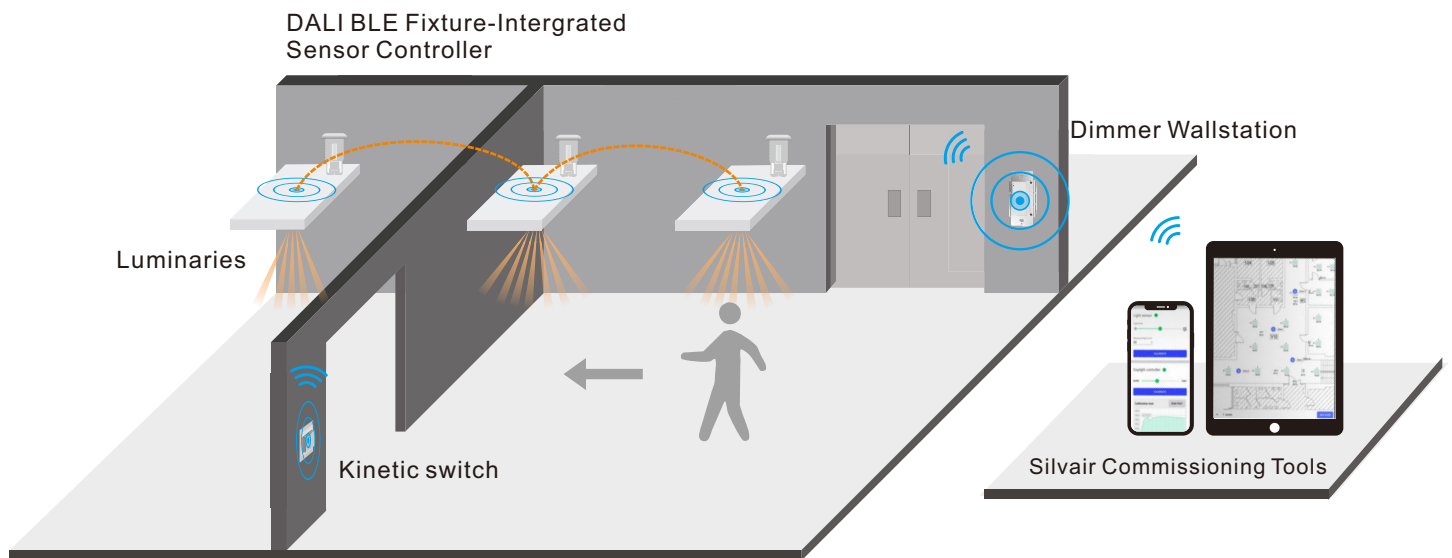| Input		Output, DALI	Control		Environment		Others
Power	Signal	Current	Dimming Curve	Dimming Method	Operating temperature	Relative humidity	Size
12-24VDC	Bluetooth	Max. 50mA	Logarithmic	PWM	-20℃-+50℃	8% to 80%	See dimensions

Features

- Bluetooth to DALI signal Microwave sensor controller,Bluetooth® mesh network

- Built-in 50mA DALI BUS signal output

- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices

- All devices on DALI line are broadcast controlled by mobile application

- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB

- In typical indoor environment, the typical range for wireless communication is 20m to 25m . Actual range is dependent on field installation.

- Available with Magnetic reset (Touch the top part of sensor for 5 seconds)

- On-board antenna

- Waterproof grade: IP20

- 5 years warranty

Dimension

Application

DALI BLE Fixture-Intergrated
Sensor Controller

Luminaries

Kinetic switch

Dimmer Wallstation

Silvair Commissioning Tools
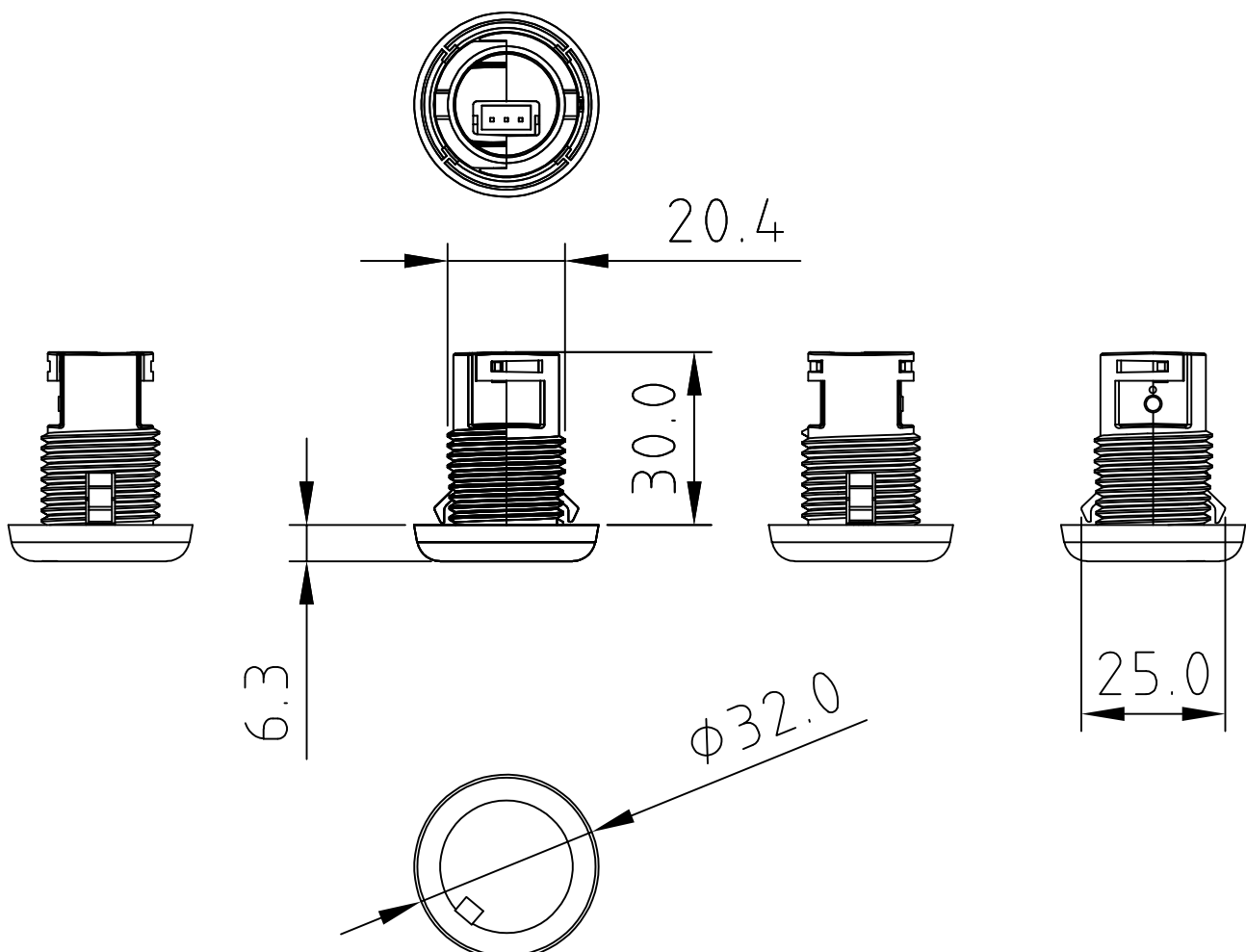
Specifications

ENERGY SAVINGS

• Low/High-end trimming
• Daylight harvesting
• Occupancy/Vacancy detection
• Auto and advanced demand response programs
• Time-of-Day dimming schedule
• Energy monitoring

COMFORT & CONVENIENCE

• Advanced occupancy detections
• Light-level stability
• Configurable dim-and-linger occupancy
• Personalized setting profile
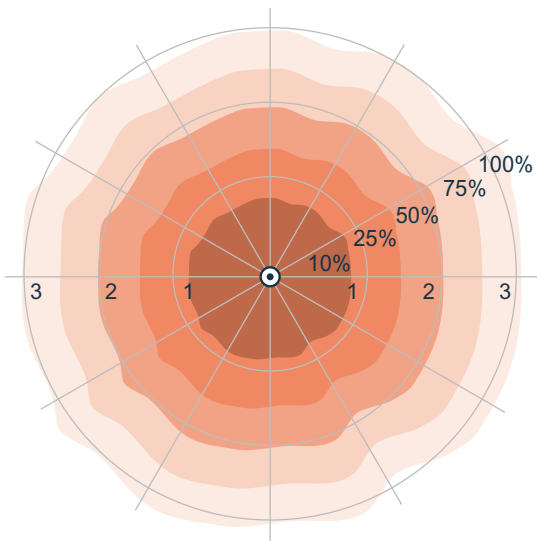• Work with kinetic switch keypad and dimmer wallstation
• Multi-scenes control

SENSING

• Testing Data:
• Mounting height: 2.5m
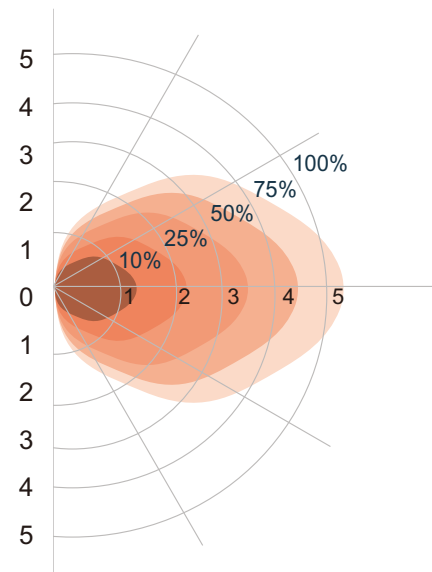• Detection area diameter: 10m@2.5m

ENVIRONMENT AND APPROBATION

• Operating temperature: -20°C to 55°C
• Agency approbations: CE/RoHS/UL Comming soon…
• Warranty: 5 years

Technology Partner **SILVAIR**

Detection Pattern

Ceiling Pattern (Unit: m)
Installation Height: 2-4m,max.6m

Wall Pattern (Unit: m)

Warning

- DO NOT install with power applied to device
- DO NOT expose the device to moisture

Technology Partner **SILVAIR**

Operation

- Do wiring according to connection diagram
- Kindly refer to **Silvair commissioning User Manual** for further pairing
- Press and hold down the "Reset"button on the controller over 5 seconds until the indicator flashes , which means it has been reset
- Available with Magnetic reset (Touch the top part of sensor for 5 seconds)

Wiring

L N G

12/24V CV PSU
V+ OUTPUT
V-
L INPUT
N
G

ACN
ACL
DALI Dimmable Driver
LED+
LED-

DA+
DA-

DA+
GND
V+

LED light
LED+ → +
LED- → -