SENSILUM WIRELESS INTEGRATED SENSOR

EN-CLM-PIR-DD-ZB

Each Sensilum is capable of handling 10 0-10V LED drivers or 4 DALI Drivers with Self-Powered DALI Link in parallel connection

Wireless Range 30 m (100 ft) line of sight, 15.2 m (50 ft) standard walls

DALI and DALI Type 8 for Tunable- White

Single 0-10V dimming output capable of sinking 20mA

Luminaire Mount

Includes motion and daylight sensor

DESCRIPTION

The SensiLUM wireless integrated sensor family enables real-time occupancy detection, daylighting harvesting, and individual or group control of luminaires. Fully compatible with the Wattstopper PLUS System, SensiLUM fits into an industry-standard PG-7 (0.5 inch) trade-size knockout in any luminaire.

The SensiLUM sensors supports 0-10V dimming or DALI Control, both DT6 and DT8 (tunable white). Sensilum will auto detect the driver type once powered on.

Digital lighting solutions may qualify for commercial lighting rebates on new construction or retrofit projects.

FEATURES

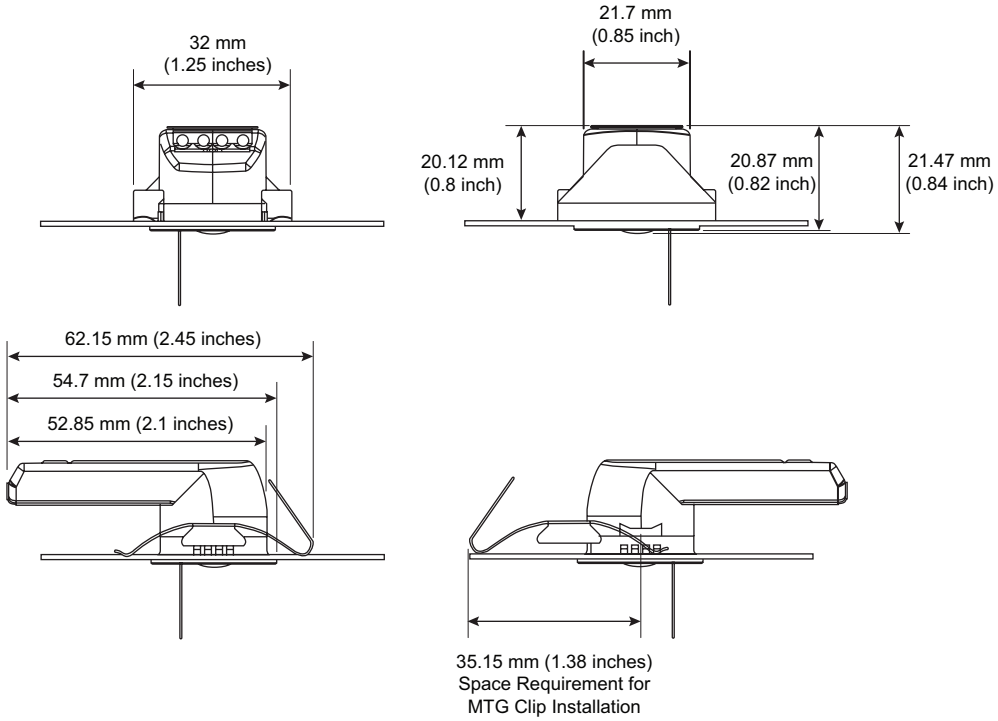
- Customize lighting scenes for tailored experiences and tasks
- Significantly reduce installation labor hours with luminaire integrated lighting controls
- Optimized form factor is intended for installation into a standard PG-7 (0.5 inch) trade-size knock-out present on virtually every luminaire
- Compatible with both 0-10V (with Dim-to-OFF) and DALI based LED drivers both DT6 and DT8 (tunable white)
- Unique form factor enable easy integration in architectural luminaires
- Enables occupancy detection and daylight harvesting
- Adjustable dual-axis shutter to fine-tune field of view
- UL924 Listed for Control of Emergency Lighting

SPECIFICATIONS

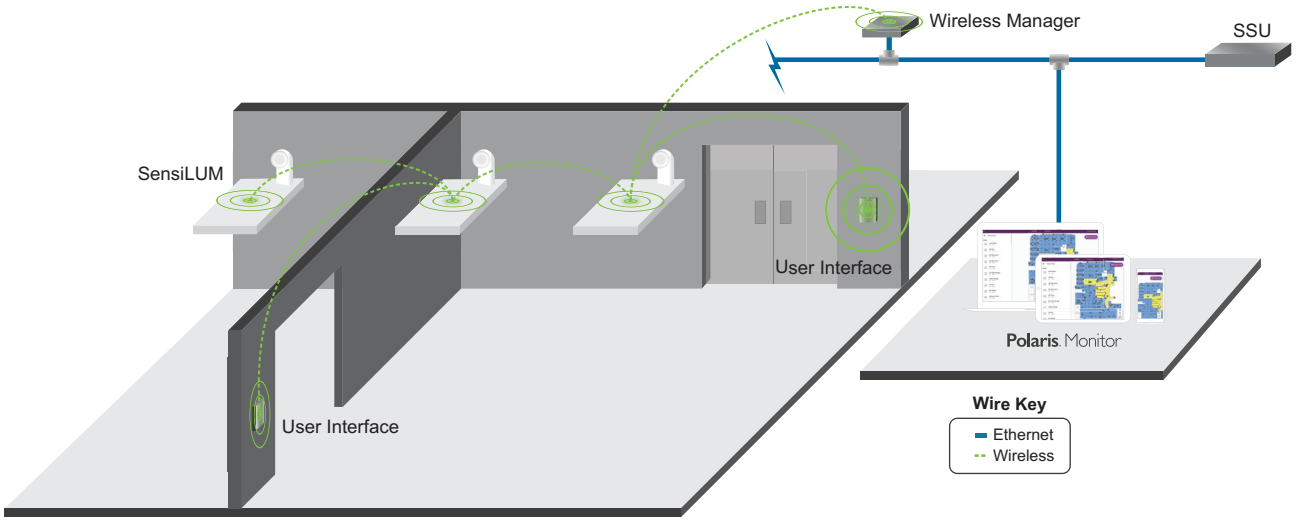
- Voltage: 12-24 VDC
- Current Consumption: 46 mA Max
- Wireless (2.4GHz) Range: 100ft line-of-sight to other repeater devices, 50ft through standard wall materials
- Device acts as a repeater when in range of 3 or more repeater devices, expanding wireless system communication range
- Dimming Output:
  - 0-10V dimming output, capable of sinking 20mA
  - DALI and DALI Type 8 for Tunable White
- Operating Temperature: 32° to 140°F (0° to 60°C)
- Relative Humidity: 0% to 95%, non-condensing
- Weight: 13 g (0.46 oz)
- Certifications
  - UL924 cUL Listed (Emergency Lighting Equipment)
  - UL/cUL 2043 Class 2 Plenum Rated
  - FCC part 15 Class A
- Environmental Suitability: IP20
- 5 year warranty

PROJECT		LOCATION/ TYPE	

DIMENSIONS

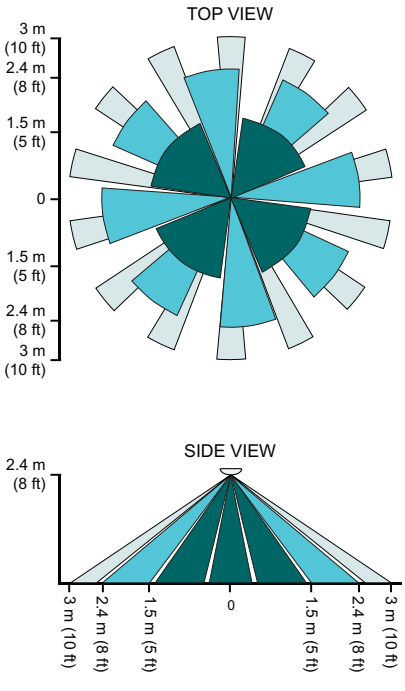


SYSTEM OVERVIEW

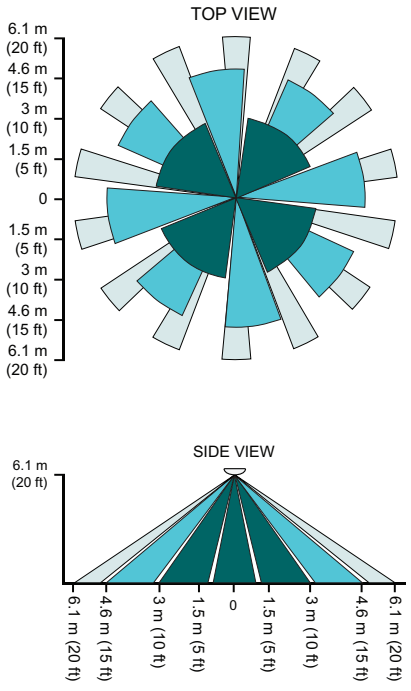


SENSOR COVERAGE

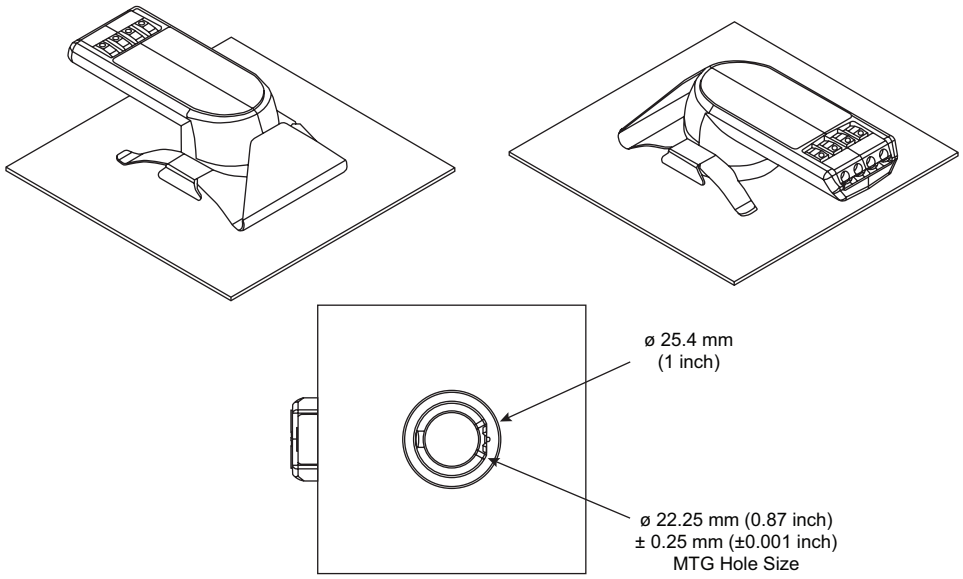
3 m (10 ft)



6.1 m (20 ft)



INSTALLATION DIAGRAMS

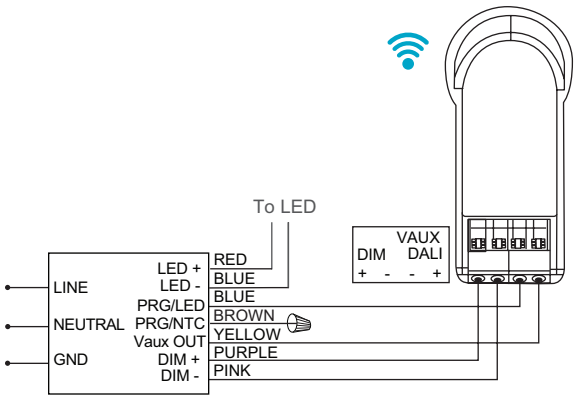


WIRING

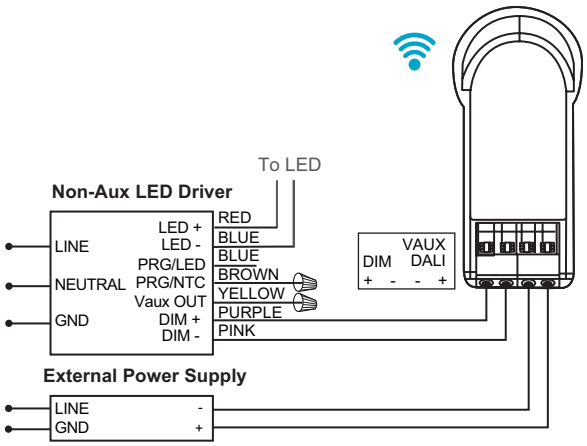
For additional information, including usage in applications with multiple drivers, see the SensiLUM installation instructions.

IMPORTANT: For 0-10V applications, the LED driver must have Dim-to-Off enabled.

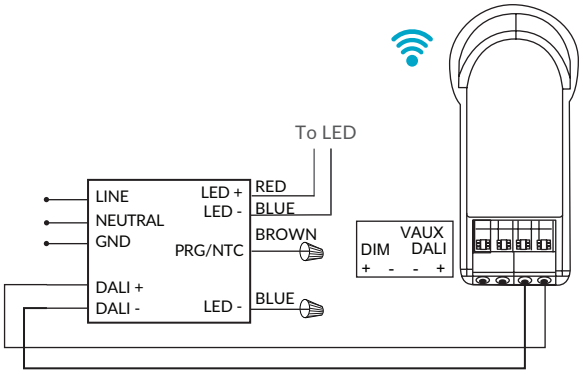
0-10V LED Driver with Auxiliary Power Output



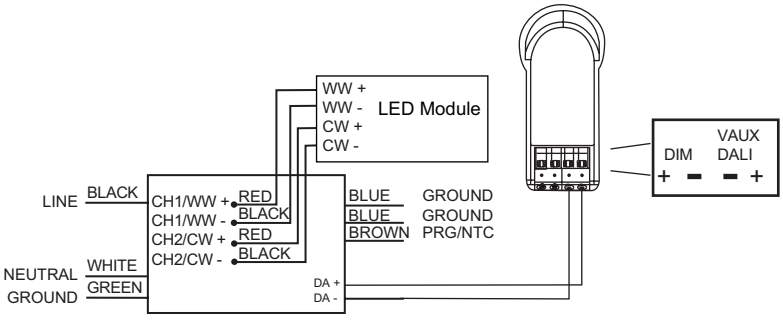
0-10V LED Driver with External Power Supply



Single DALI Driver



Single DALI Driver (Tunable White)



ORDERING INFORMATION

Catalog #		Description	Communication Network
☐	EN-CLM-PIR-DD-ZB	SensiLUM Wireless Integrated Sensor	Wireless

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