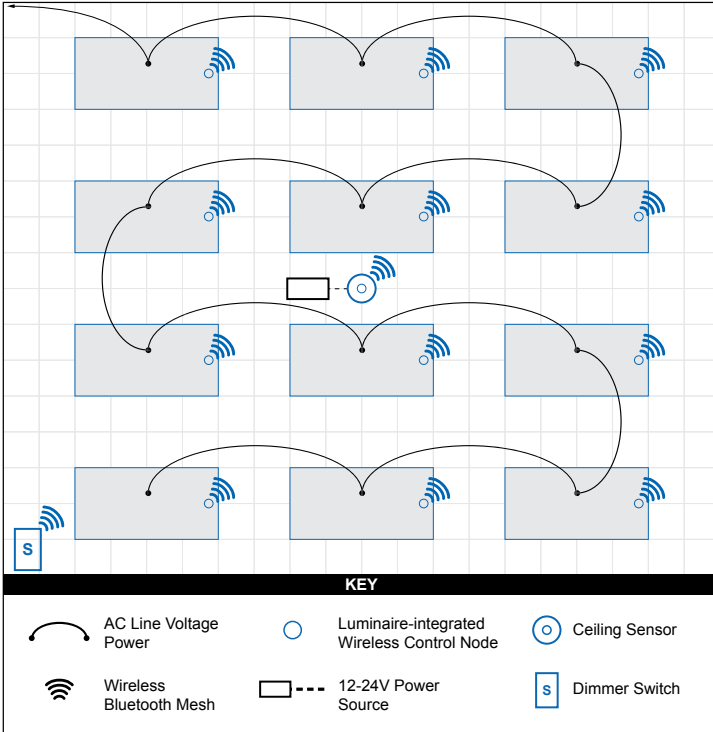


Application Diagram

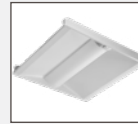


Relative Cost (Equipment) \$\$\$\$\$	Installation Ease ●●●●●	NLC ✓	LLLC ✓	Versatility & Flexibility ●●●●●
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DESCRIPTION

Interior - T-Grid Drop Ceiling - Luminaire-level Wireless Nodes with Ceiling Sensor / Dimmer Switch

AleoBlue Components



LED Volumetric Troffer or LED Troffer Retrofit Kit with Wireless Control Node

Model: **LT-CD-24-UXL-34/8CT G4 ECO-WLC/BT**



Wireless Self-Powered Kinetic Dimmer Switch

Model: **ESRPB-W-EO**



Wireless PIR Occupancy Sensor w/ Daylight

Model: **SPIR-OSDL/BT-CM-DC201**

Bill of Materials

Model No.	Description	QTY
LT-CD-24-UXL-34/8CT G4 ECO-WLC/BT	Volumetric LED Troffer Luminaire, 2' x 4', 34W Max., Control Node	12
ESRPB-W-EO*	Wireless Self-Powered Kinetic Dimmer Switch - Single Rocker	1
SPIR-OSDL/BT-CM-DC201**	Wireless PIR Occupancy Sensor w/ Daylight Harvesting	1

*Single or Dual Rocker available. Wall box or Surface mount. Multiple per room OK.

**Ceiling tile or drywall mount. 12-24V input power needed only.

Control Strategies & Sequence of Operations

Name		Description
Occupancy Sensing	✓	Auto On, Auto Off, multiple time delay options, fade time
Vacancy Sensing	✓	Manual On, Auto Off, multiple time delay options, fade time
Daylight Harvesting	✓	Continuous dimming to Off, zone level daylight dimming
High-End Trim	✓	% of max light output
Time-Clock / Scheduling	✓	Available via gateway or in-node scheduling
Manual Control	✓	Continous dimming, scene control, all Off, all On
Individually Addressable Fixtures (LLLC)	✓	Luminaire level lighting control

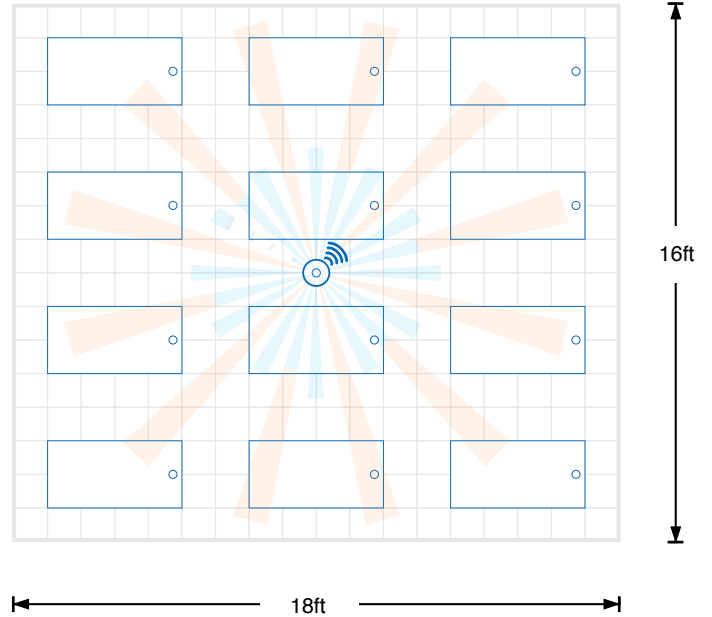


Specifications and Dimensions subject to change without notice.

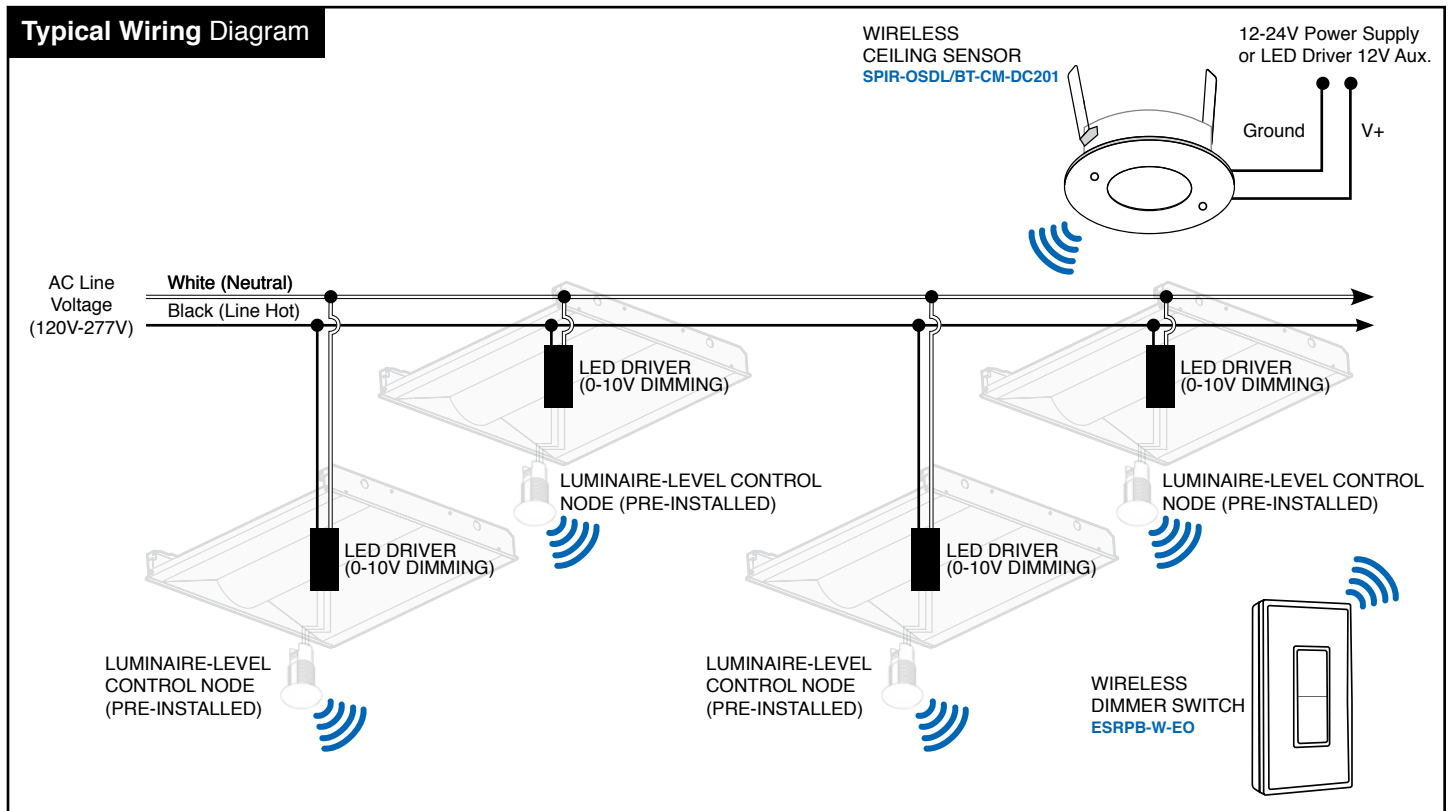
Design Considerations

Design Considerations	Best Practices	Max
Detection / Coverage Area of Ceiling Sensor	24 ft. x 24 ft. area	30 ft. x 30 ft.
Distance between each fixture control node	65 ft	82 ft
Distance between Wireless Ceiling sensor and fixture control node	65 ft	82 ft
Distance between fixture controller node and Wireless Dimmer Switch	32 ft	98 ft
Number of fixture controller nodes per Area or Zone	150	200
Number of Bluetooth Devices (Nodes) per Gateway	200	250
Number of Zones per Area	40	200

Detection / Coverage Diagram



Typical Wiring Diagram



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