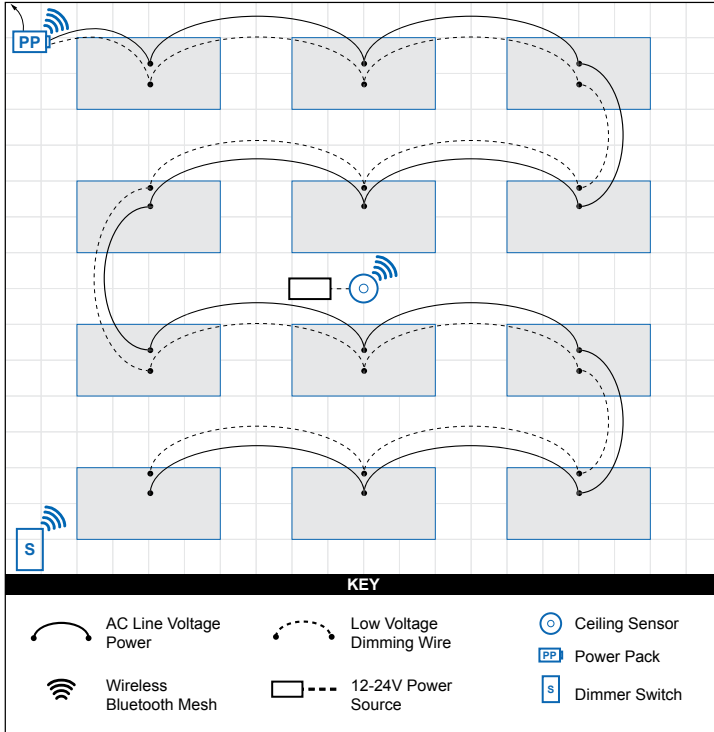


Application Diagram



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

DESCRIPTION

Interior - T-Grid Drop Ceiling - Wireless Power Pack with Ceiling Sensor / Dimmer Switch

AleoBlue Components



LED Volumetric Troffer or LED Troffer Retrofit Kit

Model: LT-CD-24 or LTR-24



Wireless Power Pack Controller

Model: WLC/BT-PWPK-5A-UNV-10V-A



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	Volumetric LED Troffer Luminaire, 2' x 4', 34W Max.	12
WLC/BT-PWPK-5A-UNV-10V-A	Wireless Power Pack Controller, 5A, 120V-277V AC input, J-box mount	1
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

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	✓	Continuous dimming, scene control, all Off, all On

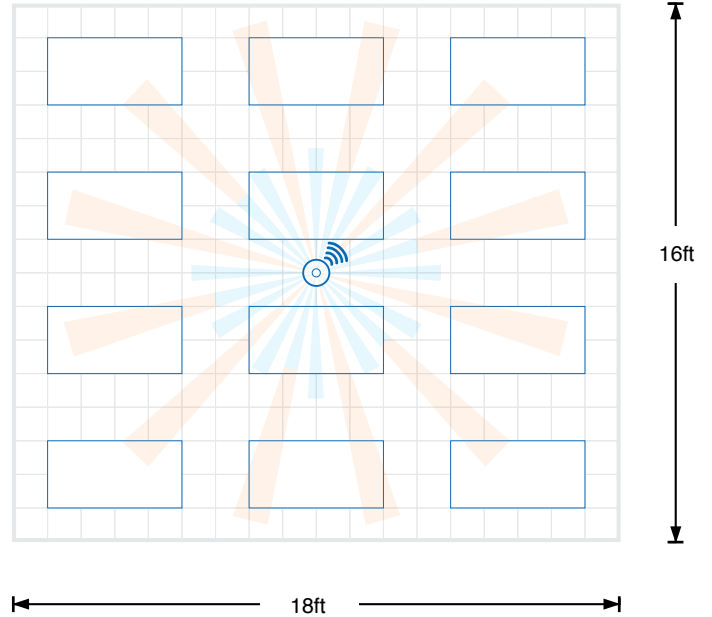


Specifications and Dimensions subject to change without notice.

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 Wireless Power Pack Controllers	100 ft	200 ft
Distance between Wireless Ceiling sensor and Wireless Power Pack Controller	65 ft	82 ft
Distance between Wireless Power Pack Controller and Wireless Dimmer Switch	32 ft	98 ft
Number of Luminaires per Power Pack	65 for 20A, 15 for 5A (@120V, 34W fixture)	150 for 20A, 35 for 5A (@277V, 34W fixture)
Number of Power Packs per Area or Zone	150	200
Number of Bluetooth Devices (Nodes) per Gateway	200	250
Number of Zones per Area	40	200
Max. distance of 0-10V wiring from Power Pack to Farthest Luminaire	50ft	500ft

Detection / Coverage Diagram



Typical Wiring Diagram

