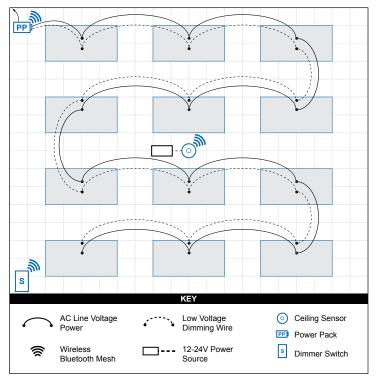
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Application Diagram



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	 Image: A second s	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	\checkmark	% of max light output	
Time-Clock / Scheduling	 Image: A second s	Available via gateway or in-node scheduling	
Manual Control	~	Continous dimming, scene control, all Off, all On	

Specifications and Dimensions subject to change without notice.

Interior I Zone-Level Control Design Guide



DESCRIPTION

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

AleoBlue Components



Wireless Self-Powered Kinetic

Dimmer Switch Model: ESRPB-W-EO



Wireless PIR Occupancy Sensor w/ Daylight Model: SPIR-OSDL/BT-CM-DC201



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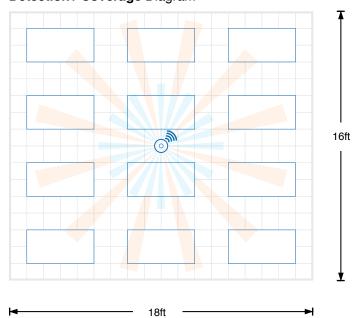
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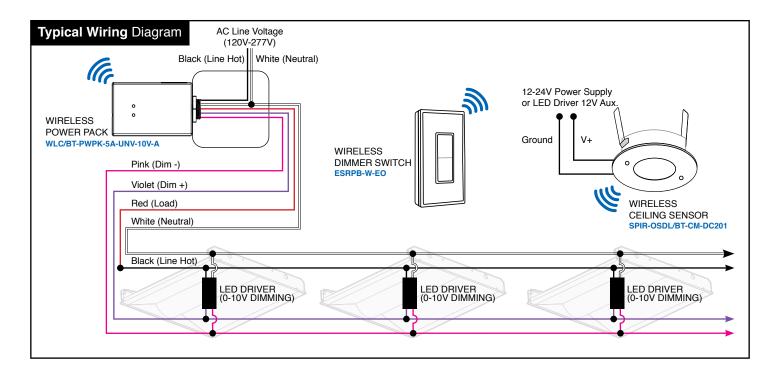
Design Considerations

Design Considerations	Best Practices	Мах
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

Interior I Zone-Level Control Design Guide







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