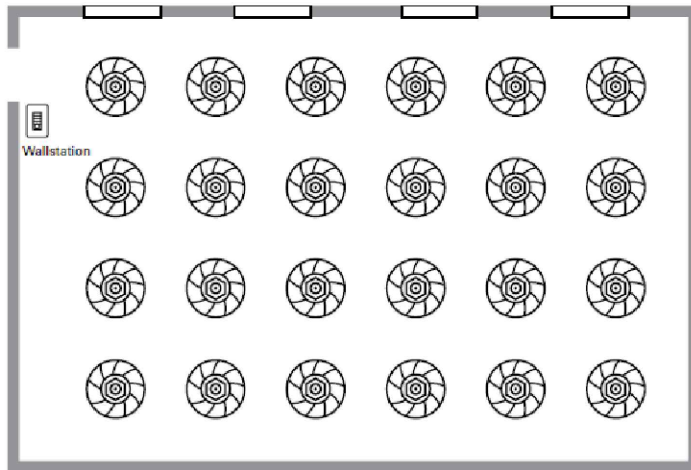


WaveLinx Connected Lighting

Warehouse

example



IECC 2018	*	*	*	*	*	*	*	*	*
ASHRAE 90.1 - 2019	*	*	*	*	*	*	*	*	*
T24 2019	*	*	*	*	*	*	*	*	*
NECB 2017	*	*	*	*	*	*	*	*	*

Sequence of Operations

Lighting

- 0-10V lighting loads
- Each luminaire includes dimmable integrated sensor
- Control zones of no more than 4 luminaires (IECC only)
- Each luminaire supports occupied/unoccupied programmable light levels

Daylighting

- Continuous dimming
- Individual luminaire daylight dimming
- Daylighting not required for indoor space

Additional Features

- Energy calculations (available through Trellix)
- Automatic demand response available from wireless area controller
- Scheduling of partial off light levels and times from wireless area controller
- UL924 emergency control capabilities available via luminaire battery backup or fixture integrated transfer device (see fixture spec sheet)

Occupancy

- Automatic on to programmable level
- Programmable unoccupied light level

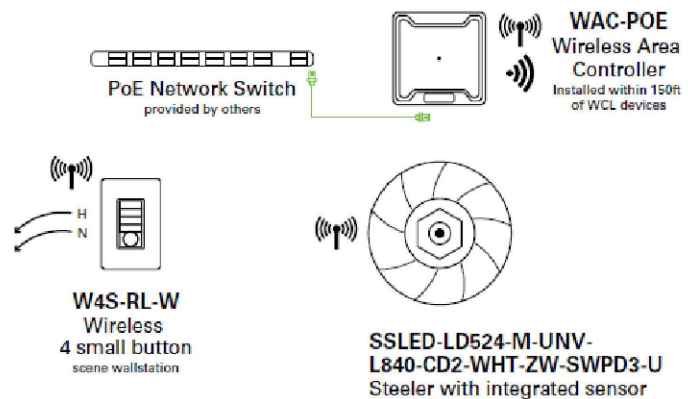
Manual Controls

- Programmable Zone/Scene control
- Optional Scene/Raise/Lower Control
- All Off

Bill of Material

Quantity	Catalog #	Description
1	WAC-POE	Wireless Area Controller
6	W4S-RL-W	WaveLinx WallStation
24	SSLED-LD524-M-UNV-L840-CD2-WHT-SWPD3-U	Steeler with integrated sensor

Typical Wiring Detail



Design Consideration	Best Practice	Maximum
Gateway / Wireless Area Controller range	150 ft LOS	300 ft LOS
Number of interior walls	2 walls	3 walls
Distance from Wireless Area Controller to 1st WaveLinx device	150 ft	200 ft
Distance between WaveLinx devices	75 ft	150 ft
Number of hops from Wireless Area Controller	4 hops	5 hops
Number of areas per Wireless Area Controller	15 + 1 construction area	
Number of zones per area	3	16
Number of scenes per area	16	16

	Local Control	Manual ON	Partial ON	Bilevel Lighting	Daylight Side	Daylight Top	Partial OFF	Automatic OFF	Scheduled OFF	Receptacle Control	Energy Monitoring	Parking Garage	Functional Testing	Demand Response	Enhanced Digital
IECC 2018	C405.2.5	C405.2.5	C405.2.1.1		C405.2.3.2	C405.2.3.1	C405.2.1.2	C405.2.1.1	C405.2.2.1	C405.2.4		C405.2.5	C408.2.3		C406.4
ASHRAE 90.1-2019	9.4.1 (a)	9.4.1.1 (b)	9.4.1.1 (c)	9.4.1.1 (d)	9.4.1.1 (e)	9.4.1.1 (f)	9.4.1.1 (g)	9.4.1.1 (h)	9.4.1.1 (i)	8.4.2	8.4.3.2	9.4.1.2	9.4.3		
T24 2019	130.1 (a)(b)	130.1 (a)(b)	130.1 (b)		130.1 (d)	130.1 (d)	130.1 (c).5	130.1 (c).5	130.1 (c)	130.5 (d)	130.5 (b)	130.1 (d)	130.4	130.1 (a) 130.1 (e)	
NECB 2017	4.2.2.1.(3)	4.2.2.1.(3) 4.2.2.1.(6)	4.2.2.1 (8)	4.2.2.1.(9)	4.2.2.1.(10)	4.2.2.1.(13)	4.2.4.1. (16-17)	4.2.2.1. (18-19)	4.2.2.1. (20-23)			4.2.2.2 4.2.2.4			