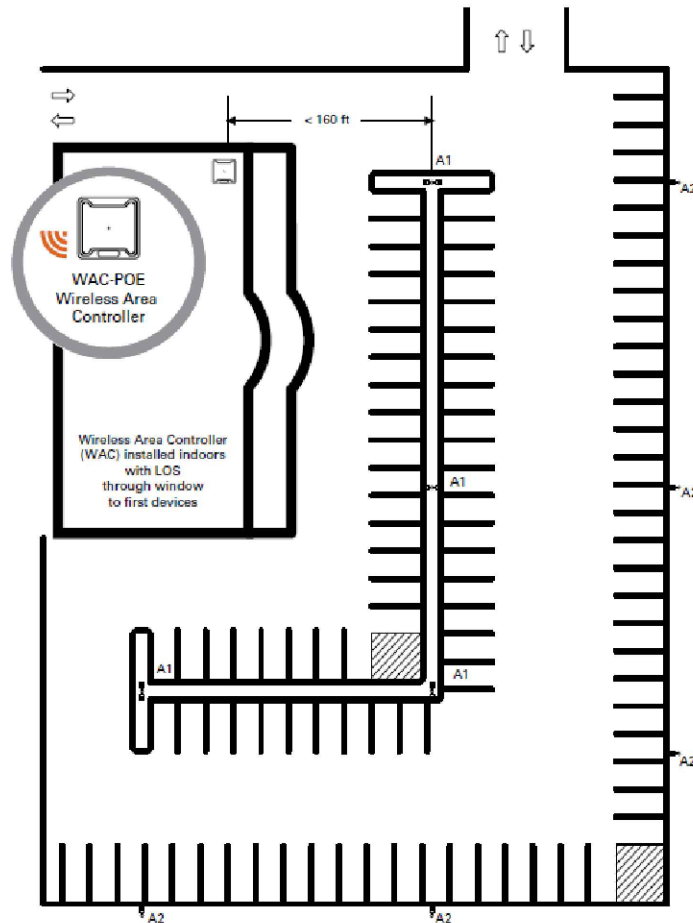


## WaveLinX Connected Lighting

# Exterior Lighting

example



Design Consideration	Best Practice	Maximum
Gateway / Wireless Area Controller range	150 ft LOS	300 ft LOS
Number of interior walls	LOS through a window to first nodes	
Distance from Wireless Area Controller to 1st WaveLinX device	160 ft	160 ft
Distance between WaveLinX devices	160 ft	160 ft
Number of hops from Wireless Area Controller	10 hops	10 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

	Dimming	Automatic OFF	Scheduled OFF	Bi-level Lighting	Manual	Functional Testing
IECC 2018	C405.2.6	C405.2.6	C405.2.6	C405.2.6		
ASHRAE 90.1-2019	9.4.1.1 (a) (f)	9.4.1.1 (g) (h)	9.4.1.1 (i)	9.4.1.1 (d)	9.4.1.1 (a)	9.4.3
T24 2019	130.2 (c)	130.2 (c)	130.2 (c)	130.2 (c)		
NECB 2017	4.2.2.1.(3)(b)	4.2.2.1.(18-19)	4.2.2.1.(20-23)	4.2.2.1.(9)	4.2.2.1.(3)(b)	



Occupancy Sensor



Daylighting Control



UL924 (Energy Back-Up Circuit)

IECC 2018			
ASHRAE 90.1 - 2019			
T24 2019			
NECB 2017			

### Sequence of Operations

#### Lighting

- 0-10V lighting loads
- Each luminaire includes dimmable integrated sensor
- Each luminaire supports occupied/unoccupied programmable light levels

#### Occupancy

- Automatic auto on to 50%
- Automatic on to programmable level
- Programmable unoccupied light level

#### Daylighting

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

#### Manual Controls

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

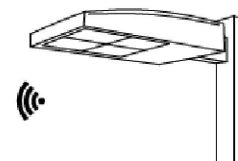
#### Additional Features

- 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

### Bill of Material

Quantity	Catalog #	Description
1	WAC-POE	Wireless Area Controller
8	GLEON-AF-04-LED-E1-5MQ-BZ -SWPD5BZ	Galleon LED Area/Site Luminaire
5	GLEON-AF-04-LED-E1-T4W-BZ -SWPD5BZ	Galleon LED Area/Site Luminaire

### Typical Wiring Detail



**GLEON-AF-04-LED-E1-5MQ-BZ-ZW-SWPD5BZ**  
Galleon LED Area/Site Luminaire