



Gateway

Wireless Controller

Light control and monitoring with state-of-the-art technology

Data collection and reporting for superior efficiency

Asset management to reduce energy consumption and maximize fixture life

Designed for maximized simplicity and security

## Specifications - Gateway

<b>Communication</b>	Transmits control commands and energy usage data to Phoenix's LIT System Communicates wirelessly with other lights and sensors on the network Securely communicates via ethernet or 3G/4G LTE cellular to Phoenix's LIT System
<b>Fixture compatibility</b>	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights
<b>Construction</b>	NEMA 4 weatherproof, polycarbonate enclosure
<b>Power</b>	120-277V AC, 50/60 Hz input voltage Built-in surge protection Power consumption: < 4W
<b>Operating frequency</b>	2.4 GHz Self-healing, IEEE 802.15.4 mesh network 128-bit AES encrypted communication Ethernet/fiber or 4G/LTE connectivity
<b>Range</b>	Connects up to 250 lights
<b>Fail safe mode</b>	Power on, lamp high = 100%
<b>Ambient operating temperature</b>	-40°C to +50°C
<b>Dimensions</b>	6.10 in (156 mm) x 3.00 in (77 mm)
<b>Weight</b>	2.0 lb (0.32 kg)
<b>Warranty</b>	3 years

## Compliances

IP66

## Specifications - Wireless Controller

<b>Communication</b>	Communicates wirelessly to the Gateway Securely sent on Phoenix's LIT System
<b>Fixture compatibility</b>	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights
<b>Monitoring</b>	Monitors watts, amps, kW hours and maintenance information
<b>Power</b>	Remote on/off power Single phase: 120/277/347V AC, 50/60 Hz Dual phase: 208/240/480V AC, 50/60 Hz Power consumption < 1.5W RF power < 250 mW
<b>Dimming control</b>	0-10V analog interface Control from 100% - 0%
<b>Operating frequency</b>	2.45 GHz Self-healing, IEEE 802.15.4 mesh network 128-bit AES encrypted communication 16 channel - direct sequence spread spectrum (DSSS)
<b>Range</b>	Up to 500 meters (LOS) between nodes
<b>Fail safe mode</b>	Power on, lamp high = 100%
<b>Installation</b>	ANSI C136.41 7-pin twist lock receptacle
<b>Updates</b>	Over-the-air firmware updates
<b>Ambient operating temperature</b>	-40°C to +70°C
<b>Dimensions</b>	4.80 in (121 mm) diameter; 4.30 in (109 mm) height
<b>Weight</b>	0.7 lb (0.32 kg)
<b>Warranty</b>	3 years

## Compliances

UL Listed to:

- UL/cUL 773 Plug-In Locking Type Photocontrols for Use with Area Lighting

IP53

FCC Part 15 Class C

## Specifications - Motion Sensor

<b>Hardware</b>	Integrates with the Phoenix LIT System Automatic dimming and on/off control based on occupancy or motion detection
<b>Fixture compatibility</b>	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights
<b>Construction</b>	NEMA 4X, UV resistant, weatherproof, polycarbonate enclosure
<b>Power</b>	120V, 60 Hz input voltage Power consumption: < 1W
<b>Operating frequency</b>	2.4 GHz IEEE 802.15.4 mesh network 128-bit AES encrypted communication
<b>Range</b>	52 ft at 10 ft high, 270° field of view
<b>Ambient operating temperature</b>	-40°C to +55°C
<b>Mounting</b>	Mounts directly to pole, wall or ceiling Includes four wall mounting brackets and four M4 x 8 mm machine screws
<b>Dimensions</b>	10.75 in (273 mm) x 6.00 in (152 mm) x 6.50 in (165 mm)
<b>Weight</b>	2.0 lb (0.91 kg)
<b>Warranty</b>	3 years

## Compliances

UL Listed to:

- UL/cUL 773A Raintight device

IP55



## Ordering Information

### Gateway

Example: LIT-GW-120-277-EN

Description	Voltage	Connectivity
LIT-GW	120-277	EN LTE

#### Voltage

120-277 120-277V AC, 50/60 Hz input voltage

#### Connectivity

EN Ethernet/fiber  
LTE 4G/LTE

### Wireless Controller

Example: LIT-WC-120/277/347-WS

Description	Voltage	Model
LIT-WC	120/277/347 208/240/480	WS

#### Voltage

120/277/347 120/277/347V AC, 50/60 Hz (single phase)  
208/240/480 208/240/480V AC, 50/60 Hz (dual phase)

#### Model

WS Phoenix version I

### Motion Sensor

Example: LIT-MS-120-WS

Description	Voltage	Model
LIT-MS	120	WS

#### Voltage

120 120V, 60 Hz input voltage

#### Model

WS Phoenix version I

**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

## Accessories (order separately)

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**External Antenna** (for Gateway)

LIT-GW-ANT

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).