PHOENIX®
DURABILITY X DESIGN™

LIT System™

Lighting Intelligence Technology

Patents Pending

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

Gateway   **Wireless Controller**

Specifications - Gateway

Communication	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 to Phoenix's LIT System
Fixture compatibility	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights
Construction	NEMA 4, polycarbonate enclosure
Power	120-277V AC, 50/60 Hz input voltage Built-in surge protection Power consumption: < 4W
Operating frequency	2.4 GHz Self-healing, IEEE 802.15.4 mesh network 128-bit AES encrypted communication
Range	Up to 500m line of sight (LOS)
Maximum number of controllers	250 per Gateway
Ambient operating temperature	-40°C to +50°C
Dimensions	6.10 in (156 mm) x 3.00 in (77 mm)
Weight	2.0 lb (0.32 kg)
Warranty	3 years

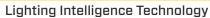## Specifications - Wireless Controller

Communication	Communicates wirelessly with LIT controllers and Gateway devices
Fixture compatibility	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights
Monitoring	Monitors watts, on hours, kW hours and maintenance information
Power	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 < 100 mW
Dimming control	0-10V analog interface Control from 100% - 0%
Operating frequency	2.4 GHz Self-healing, IEEE 802.15.4 mesh network 128-bit AES encrypted communication 16 channel - direct sequence spread spectrum (DSSS)
Range	Up to 500m line of sight (LOS)
Fail safe mode	Power on, lamp high = 100%
Installation	ANSI C136.41 7-pin twist lock receptable
Updates	Over-the-air (OTA) firmware updates
Ambient operating temperature	-40°C to +70°C
Dimensions	4.80 in (121 mm) diameter; 4.30 in (109 mm) height
Weight	0.7 lb (0.32 kg)
Warranty	3 years

Compliances - Wireless Controller

UL Listed to:
• UL/cUL 773 Plug-In Locking Type Photocontrols for Use with Area Lighting
FCC Part 15 Class A

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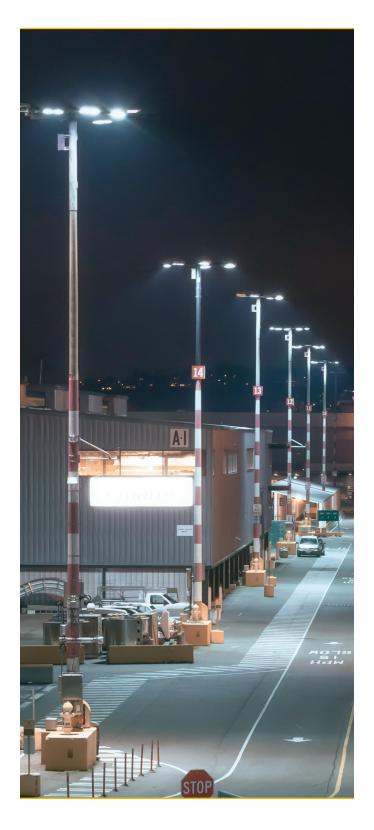DURABILITY X DESIGN™

Specifications - Motion Sensor

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

Compliances - Motion Sensor

UL Listed to:
- UL/cUL 773A Raintight device

Ordering Information

Gateway

Example: LIT-GW-120-277-EN

Description	Voltage	Connectivity
LIT-GW	120-277	EN

Voltage

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

Connectivity

EN   Ethernet/fiber

Wireless Controller

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

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

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.
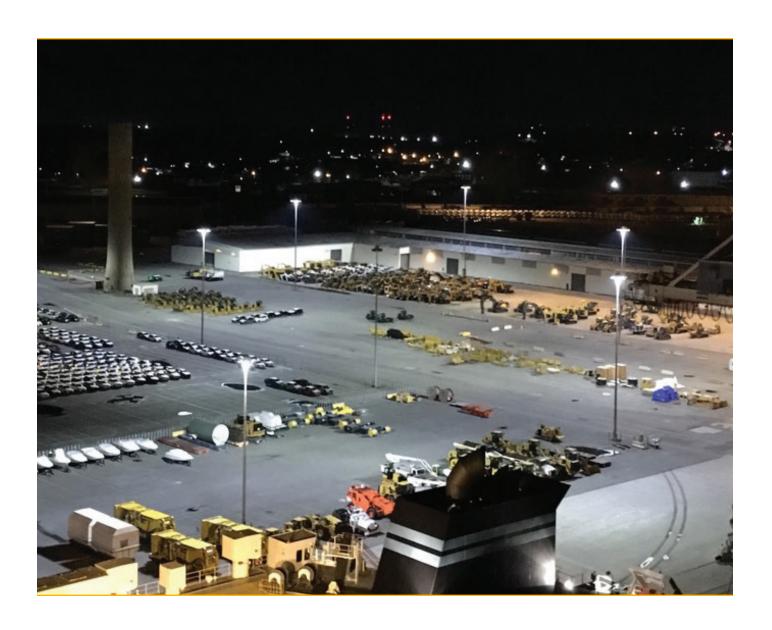
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Accessories (order separately)

External Antenna (for Gateway, 6 dB gain)
LIT-GW-ANT

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