



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

Specifications - Gateway

Gateway

Wireless Controller

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	Transmits control commands and energy usage data to Phoenix's LIT System
Communication	Communicates wirelessly with other lights and sensors on the network
	Securely communicates via ethernet or 3G/4G LTE cellular to Phoenix's LIT System
Fixture compatibility	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights
Construction	NEMA 4 weatherproof, 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 Ethernet/fiber or 4G/LTE connectivity
Range	Connects up to 250 lights
Fail safe mode	Power on, lamp high = 100%
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

Compliances

IP66

Specifications - Wireless Controller

Communication	Communicates wirelessly to the Gateway Securely sent on Phoenix's LIT System	
Fixture compatibility	Integrates with Phoenix's Highland™ Series and Meridian Series LED floodlights	
Monitoring	Monitors watts, amps, 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 < 250 mW	
Dimming control	0-10V analog interface Control from 100% - 0%	
Operating frequency	2.45 GHz Self-healing, IEEE 802.15.4 mesh network 128-bit AES encrypted communication 16 channel - direct sequence spread spectrum (DSSS)	
Range	Up to 500 meters (LOS) between nodes	
Fail safe mode	Power on, lamp high = 100%	
Installation	ANSI C136.41 7-pin twist lock receptable	
Updates	Over-the-air 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

UL Listed to:

 UL/cUL 773 Plug-In Locking Type Photocontrols for Use with Area Lighting IP53

FCC Part 15 Class C





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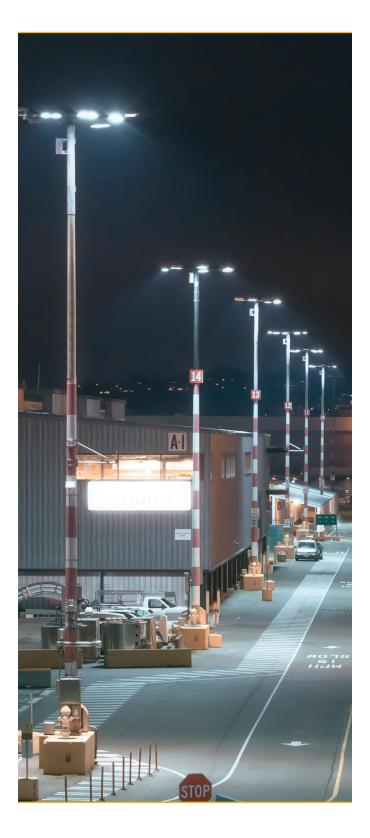
Specifications - Motion Sensor

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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 4X, UV resistant, weatherproof, polycarbonate enclosure	
Power	120V, 60 Hz input voltage Power consumption: < 1W	
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

UL Listed to:

• UL/cUL 773A Raintight device IP55







LIT System[™]

Ordering Information

Gateway

Example: LIT-GW-120-277-EN

Description	Voltage	Connectivity
LIT-GW	120-277	EN
		LTE

Voltage Connectivity

120-277 120-277V AC, 50/60 Hz input voltage ΕN Ethernet/fiber LTE 4G/LTE

Wireless Controller

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

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

Voltage Model

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

Motion Sensor

Example: LIT-MS-120-WS

Description	Voltage	Model
LIT-MS	120	WS

Voltage Model

120 120V, 60 Hz input voltage 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.







Lighting Intelligence Technology



Accessories (order separately)



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.

