



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

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 120-480V AC, 50/60 Hz Power consumption < 1.5W RF power < 100 mW
Dimming control	2 channel, 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	3.27 in (83 mm) diameter; 4.37 in (111 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



Ordering Information

Gateway

Example: LIT-GW-120-277-KY

Description	Voltage	Options
LIT-GW	120-277	KY

Voltage

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

Options

KY Key-lock override

Wireless Controller

Example: LIT-WC-120-480-MN

Description	Voltage	Model
LIT-WC	120-480	MN

Voltage

120-480 120-480V AC, 50/60 Hz

Model

MN Photocell version

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)



External Antenna (for Gateway, 6 dB gain)

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.