

# Street Light Controller



## Enabling Smart Cities and Utilities through Intelligent Lighting Management Solutions

The Landis+Gyr Street Light Controller enables utilities to monitor and manage street lights — both High Pressure Sodium (HPS) and LED luminaires – on Landis+Gyr's communication network. The Controller incorporates Landis+Gyr's Network Node, a fully functional, small IoT RF radio module capable of communicating on Wi-SUN compliant RF Mesh or Mesh IP networks. As part of our Gristream® Connect IoT portfolio, Landis+Gyr's Street Light Controller and management software serve as a foundation for other smart city applications, while vastly improving energy and operational efficiencies.

### ENHANCED SAFETY FEATURES

- Luminaire health monitoring and outage detection
- Supercapacitor support for power outages

### IMPROVED OPERATIONAL & ENERGY EFFICIENCIES

- Improved energy and asset management
- GPS location—maps with street light visualization
- Dimming schedule creation
- Constant lumen output: ramp up power over time to maintain lumen efficacy

### METROLOGY CAPABILITIES

- Load-side accumulated energy, instantaneous current, voltage, power, and power factor

### COMPONENTS

- Landis+Gyr street light controller with integrated Network Node
- Command Center 7.1 MR3 or later
- Street Light Management Software or Smart Community Center



ENHANCED SAFETY  
FEATURES



IMPROVED  
OPERATIONAL &  
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METROLOGY  
CAPABILITIES



COMPONENTS

# Street Light Controller

## PRODUCT SPECIFICATIONS

### FCC Class B Device

| CONTROLLER SPECS  |   |
|---|---|
| Dimensions of Controller  | Diameter 3.5" (88mm), Height 3.6" (92mm)  |
| Voltage   | 120-277V (50-60 Hz)   |
| Material  | Lexan™ SLX Polycarbonate  |
| Ingress Protection  | IP67, IP66  |
| Temperature Rating  | Operational -40°C to 60°C<br>Storage -40°C to 85°C  |
| Compatibility (General)   | LED, HPS, and induction to a max load of 6A   |
| Compatibility (Luminaire with ANSI C136.41 standard receptacle) | All Features supported on LED luminaires with 5 and 7 pin<br>All features except dimming is supported on 3 pin HPS luminaires |
| Dimming Method  | Complies with 0-10V DC (IEC60929) and DALI (IEC62386)   |
| Dimming Ramping Process   | Dimming in gradual steps every 6 seconds (e.g. 100% to 20% = 102 seconds)   |
| Dimming Schedule  | Daily or weekly recurring schedule with ability to schedule a special event, in 1 minute increments with 1% resolutions       |
| On / Off Trigger  | Photo sensor for local light detection (selectable) with GPS based astronomical dawn/dusk back up                             |
| Dawn / Dusk Levels  | On: 2.5 foot candles (fc)<br>Off: 3.9 foot candles (fc)<br>Configurable over the air  |

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| RADIO SPECS          |   |
|----------------------|---|
| Frequency Range      | 902 to 928 MHz  |
| Supported Data Rates | RF Mesh (N500): 9.6, 19.2, 38.4, 115.2 kbps<br>RF Mesh IP (N550): 50, 150, 200 kbps   |
| Output Power         | High Min: 25, Typical: 26, Max: 27 dBm  |
| Receiver Sensitivity | 9.6 kbps<br>Min: -114, Typical: -112, Max: -110 dBm<br>19.2 kbps<br>Min: -112, Typical: -110, Max: -108 dBm<br>38.4 kbps<br>Min: -110, Typical: -108, Max: -106 dBm<br>115.2 kbps<br>Min: -102, Typical: -100, Max: -98 dBm<br>50 kbps<br>Min: -107, Typical: -105, Max: -103 dBm<br>150 kbps<br>Min: -99, Typical: -97, Max: -95 dBm<br>200 kbps<br>Min: -98, Typical: -96, Max: -94 dBm |

## GET IN TOUCH.

For more information and nationwide warranty terms, visit us at [LandisGyr.com](http://LandisGyr.com) or call us at 888-390-5733.



## LET'S BUILD A BRIGHTER FUTURE TOGETHER

Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.