LightGrid™ Node
Outdoor Wireless Control System

Description
LightGrid™ Outdoor Wireless Control System from GE allows remote monitoring and control, utility-grade energy measurement and GPS mapping of streetlights.

Product Features
- Utility Grade Measurement up to 0.5% Accuracy
- Self-forming & self-restoring mesh network
- Static IPV6 data addressing and routing
- Reliable and Secure Encrypted Communications
- Nodes, gateway can be spaced up to 500m apart (Clear Line of Sight)
- Utility grade 15 minute time of use Energy consumption reporting
- Full Autonomous Photocell Functionality (No wireless network required)
- Time Based Lighting schedules to maximize energy savings
- Integrated GPS in each node for Real time Asset Reporting
- Dynamic Lumen Output Level Control
- Real time measurement and storage of Voltage, Current, Wattage, Power Factor, and Hours of operation

Applications
- Street Lighting
- Area Lighting
**Product Specifications**

- Input Voltage: 120-277V, 347V and 480V
- Radio Frequency: 915 MHz ISM Band
- Network Communication: IEEE 802.15.4, 6LoWPAN, 50 Channel FHSS
- Addressing: IPv6
- Dimming: 0-10V
- Operating Temperature: -40 to +50C
- Surge: Meets ANSI C62.41 6KV, 3KA Combination Wave
- Power consumption i.e. <2W 120-277V, < 3W 347 and 480V
- Photocell: Complies with ANSI C136.10-2006
- GPS: Accuracy 3m [clear open sky]
- Security: AES Encryption and Certificate based authentication
- Utility Grade Energy Measurement: Complies with relevant sections of ANSI C12.20
- Complies with FCC Part 15 required sub sections
- Complies with UL 773, Wet Rated, Type 2 Outdoor
- Complies with ANSI C136.41-2013 (ANSI Dimming)
- Warranty: 5 yrs Standard. 10 yrs Extended Warranty Available

**Ordering Number Logic**

<table>
<thead>
<tr>
<th>E L W N</th>
<th>PRODUCT ID</th>
<th>VOLTAGE</th>
<th>PIN CONFIGURATION</th>
<th>PINS</th>
<th>METERING</th>
<th>GPS</th>
<th>MAX WATTAGE</th>
<th>NETWORK CONFIGURATION</th>
<th>COUNTRY/POLE</th>
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<tbody>
<tr>
<td>0</td>
<td>120/277</td>
<td>D</td>
<td>GE Dimming</td>
<td>5</td>
<td>2% Revenue Grade</td>
<td>G</td>
<td>450 Watts</td>
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<td>None = Default (US)</td>
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<tr>
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<td>480</td>
<td>A</td>
<td>ANSI Dimming</td>
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<td>0.5% Utility Grade</td>
<td></td>
<td></td>
<td>B = Network B</td>
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</tbody>
</table>

**Product Dimensions**

- ANSI Dimming
- GE Dimming

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