

# Lighting BACnet/IP Interface

## SPECIFICATION

The Enlighted Lighting BACnet/IP interface enables seamless integration between the Enlighted lighting control network and any BACnet® compatible Building Management System. This feature is a license-enabled software available on the Enlighted Energy Manager servers.

### OVERVIEW

The Enlighted Lighting BACnet/IP interface shares lighting data with BACnet clients such as Building Management System (BMS). The BACnet/IP interface allows access to the lighting control features such as dimming, emergency overrides, and demand response. The BMS with BACnet/IP capability can smoothly integrate, monitor, manage, and control the Enlighted Lighting system through Group and Individual points.

### FEATURES

**Group Points:** Provide aggregate metering data and control points for a group of sensors.

- **Area:** Provides energy consumption, occupancy status, emergency override, and fixture outage count points for all areas.
- **Energy Manager:** Provides energy consumption, emergency override, and demand response points for the Energy Manager (EM).

**Individual Points:** Provide metering data and control points for individual sensors such as a fixture or plugload.

- **Fixture:** Provides energy consumption, dim level, and outage status points for each fixture.
- **Plugload:** Provides energy consumption and plugload emergency status points for each plugload.

The data points are published over BACnet/IP server at every five to 15-minute intervals.

### LICENSING

Three lighting BACnet licenses are available.

- The Base License enables BACnet on the EM and includes EM group points.
- The Group Points License includes area level points.
- The Individual Points License includes sensor points for fixtures and plugloads.

The Energy Manager GUI allows you to configure the network, ports, and base instance ID ranges for BACnet/IP. The total number of BACnet points supported depends on the type of hardware device.

### DEPLOYMENT

The following four types of Enlighted Energy Managers are available.

- Energy Manager (EM): Manages up to 1500 sensors and 3500 BACnet points
- Midrange Energy Manager: Controls up to 5000 sensors and 7000 BACnet points
- Enterprise Energy Manager (EEM): Manages up to 10,000 sensors and 35,000 BACnet points
- Virtual Enterprise Energy Manager (VEEM): Controls up to 10,000 sensors and 35,000 BACnet points

Refer to the corresponding Energy Manager Data Sheet or contact Enlighted Sales for details.



Enlighted Energy Manager



Enlighted Midrange Energy Manager



Enlighted Enterprise Energy Manager

Virtual Enterprise Energy Manager  
Hardware Minimum Specification

Single Socket: 8 Virtual CPUs  
Memory: 16 GB of memory  
Data Drives: Two 1 TB drives  
NICs: Two

### ENLIGHTED SPECIFICATION SUBMITTAL

Job Name: <input type="text"/>
Job Number: <input type="text"/>
Product Codes: <input type="checkbox"/> NB-BS-01: Base License <input type="checkbox"/> NB-GP-01: Group Points <input type="checkbox"/> NB-SP-01: Individual Points