

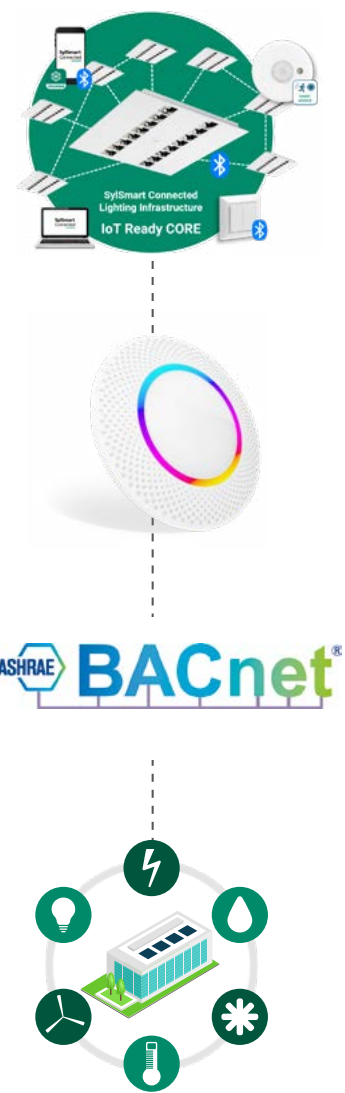


SylSmart® Connected BACnet® Gateway

The SylSmart® Connected BACnet® Gateway enables Bluetooth® NLC lighting systems to communicate seamlessly with any Building Management System (BMS) using the BACnet® protocol.

It's the bridge that unlocks smarter coordination, deeper insights and improved building performance.

Bring SylSmart® Connected lighting into full building automation.



Intelligent Lighting – Bluetooth® | NLC

- Robust, scalable, intelligent lighting system built on Bluetooth® NLC (Networked Lighting Control)
- Autonomous, sensor-driven operation for adaptive, lighting-efficient behavior.
- Rich lighting data (energy, occupancy, ambient light) available for monitoring and analytics.

Connectivity & Value-Added Services

- Flexible BACnet/IP
- BTL-certified integration with connectivity to common building automation protocols
- Rich data access with advanced integration features



Integrators

- Real-time lighting data exposed as BACnet® objects.
- Common protocol enabling lighting to communicate with other building systems
- Scalable, open-standards design for large commercial deployments.

Building Automation and Services

- Augmented building services
- Enhanced interoperability with HVAC, security, and energy systems
- Aligned with industry standards for smart buildings and IoT ecosystems

The solution for EPBD/PART L-ready buildings

Contributing to the EU and UK’s sustainability goals, the **Energy Performance of Buildings Directive (EPBD)** and **UK Part L** aim to achieve fully decarbonised building stock by 2050. To comply, non-residential buildings may require the installation of Building Automation and Control Systems (BACS).

Connected Lighting via BACnet® can help augment performance of BACS and centrally monitor lighting assets.

 For buildings with HVAC >290kW

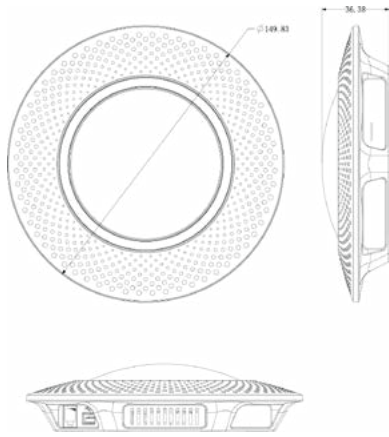
 For buildings with HVAC >70kW

 **Part L: Conservation of Fuel and Power** requires installation of BMS Class A in new buildings with HVAC >180kW.

Features

- BACnet/IP
- On-premise communication only - No internet needed
- Real-time data mapping to BACnet objects
- Compatible with SylSmart® Connected commissioning tools
- Scalable for multi-zone or multi-floor systems

Dimensions



Specifications

Item code	V970010	Max number of Bluetooth NLC Devices	200 per gateway
Dimensions	Ø150×36mm	Max number of lighting zones	100 zones per gateway
Weight	165g	Bluetooth® Protocol	Bluetooth Low Energy - NLC
Range	100 metres in open area	Bluetooth® max emitting power	18dBm
Power by	Micro USB (5V/1A DC adapter) or PoE, 48 V DC, 0.1 A (IEEE 802.3af)	Operating System	Linux-based OpenWrt 23.05.4
Interface	Network/ USB	Network Protocol	BACNet IP 1.30
Installation	Ceiling, wall, centre to mesh network	Firmware update	Via USB
Working temperature	-10°C to +50°C		

Key Benefits

- **Seamless BMS Connectivity with Open Protocol**
Integrates SylSmart® Connected lighting into leading BMS platforms via standard BACnet objects.
- **Real-Time Data Exchange**
Shares lighting and sensor data such as energy consumption, dimming level, status fault codes, daylight levels and occupancy data.
- **Enhanced Energy Efficiency**
Supports centralised control and monitoring enabling optimisation strategies to maximise savings.
- **Supports EPBD/PART L Objectives**
Helps buildings meet EU Energy Performance of Buildings Directive and UK Part L requirements for data-driven monitoring, automation and improved building performance.
- **Future-Ready Smart Building Integration**
Aligns your lighting with HVAC, building management and broader automation workflows.



sylvania-group.com/connected



sylsmart@sylvania-lighting.com

Download the SylSmart® Connected app



Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Current details should therefore be checked with Feilo Sylvania International Group Kft.

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Feilo Sylvania International Group Kft.
Duna Tower, Népfürdő Street 22,
Building B, 3rd Floor
1138 Budapest, Hungary

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