

# LightSweep® Lighting Controls

## LightSweep® Modular Lighting Control System

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_



## Application

**CLCBNET** is used for applications requiring computer front-end for programming and monitoring, integration to EMS using the BACnet protocol, web interface for lighting control system. campus applications with remote buildings or multi-site applications.

## Ordering Information

Order the controller and desired options with the following product numbers:

SKU	Product Description
CLCBNET	BACnet Interface Module

## Specifications

Communications Ports	CAN lighting network <ul style="list-style-type: none"><li>Communication speed 40 kbps</li><li>Maximum 99 nodes per CAN segment</li></ul> Ethernet <ul style="list-style-type: none"><li>3-Port 10/100 Switch</li><li>BACnet IP, BACnet Ethernet</li><li>USB-2 USB</li></ul>
Inputs	Two push-buttons (Reset, Transfer)
Technology	ARM Processor with internal Flash and RAM, Real-time clock Ultra capacitor backup for RTC
Device Address	BACnet – set via software CAN – set to 100
Connectors	CAN Network 3-pin terminal Ethernet – 3-port RJ45 connector Power: 2-pin terminal BACnet RS485: 3-pin terminal
Wiring Class	Class 2
Power	24 VAC 50/60 Hz, 12VA 10-28 VDC, 4.2W
Ambient	32° to 131°F (0° to 55°C), 10-90% RH (non-condensing)
Dimensions	5"x 5.4" x 2.6"
Compliance	CE/FCC
Approvals/Standards	UL 916

## Description

The **CLCBNET controller** expands the features of a stand-alone Lighting Control System to a fully programmable with computer front-end system, with capability for seamless integration to EMS using the BACnet protocol.

It is a fully programmable native BACnet controller, supporting the BACnet MS/TP, BACnet over Ethernet and BACnet IP.

The CLCBNET maps the lighting system's objects: relays, analog I/O's (dimming channels, photocell inputs) and provides control and schedule functionality.

- Controls up to 99 CAN devices
- Dynamically learns all devices on the CAN bus and displays the object configuration.
- Allows for remote programming and monitoring via Ethernet or TCP/IP
- Push-button switch for automatic program transfer to CAN devices
- Custom programming
- Event logging and trending, alarming