

Project		Catalog #		Type	
Prepared by		Notes		Date	



Fifth Light Central Manager

On-premises hardware platform
hosting Fifth Light LMS and BACnet/IP,
API, Shades

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Product Features

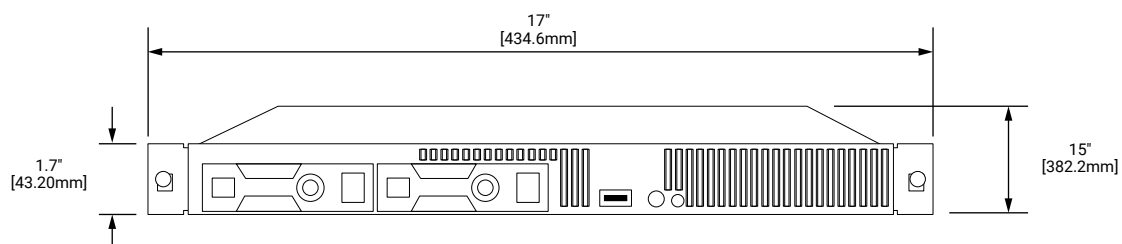


- BACnet
- API
- Shades Control Integration

Top Product Features

- Establish and future-proof user's IoT strategy by enabling secure data flow between their connected lighting control system and the other building's sub-systems
- Designed for a Fifth Light system composed of up to 100 networked Lighting Control Panels
- Hosts the Fifth Light LMS Applications that provide enterprise-level functionality such as device level management, building level management, user management, security management, device health management and overall system management such as system backup/upgrades
- Stores system data such as devices status, devices present value, areas power consumption from the connected devices and shares it with third party systems via BACnet IP and Public API (REST)

Dimensional Details



Order Information

Central Manager models CSU-1HP and CSU-2HP come with preloaded CentOS operating system and Fifth Light LMS software application.

Catalog Number

Catalog Number	Description	Power Supply	Power Redundancy	Mounting Form Factor	Mounting Form Factor
CSU-1HP	Single Server for up to 20 LCPs	1 X 250 Watts	No	1U	HP
CSU-2HP	Two servers for up to 100 LCPs (one server hosting the LMS Web Application and the other server hosting the LMS). The accessories can be found below.	2 X 250 Watts	No	2 x 1U	HP
Note Refer to the accessories respective specification sheets for more information.					

Fifth Light Accessories

Accessory options that must be ordered separately when using the Central Manager.

Catalog Number

Catalog Number	Description
FLT-BACnet	BACnet Integration
FLT-SHADE	Shade Interface
FLT-XML	Web Services Integration
FLT-VOIP	Cisco VOIP Phone Integration
Note Refer to individual product specification sheets for more information.	

Product Specifications

Key Features

- **Compact form factor server with high performance** - Powered by HPE 1P 1U rack server, the Fifth Light Central Manager provides the right balance of performance, expandability, reliability and manageability for a distributed lighting control system composed of up to 100 lighting control panels.
- **Redundant power supply capability** - Keeps your business running and provides data protection and accessibility even in the event of a power supply failure.
- **Smart Array technology by HPE** - Provides businesses with protection for critical data through RAID mirroring and striping capability and captures and holds data indefinitely in the event of a power loss, equipment failure, or human error.

Mechanical

Size: 1.69" H x 17.11" W x 27.83" D (4.29 cm x 43.46 cm x 70.7 cm)

Weight: 17.37lb (7.88 kg)

Environment:

- **Operating temperature:** 50°F to 95°F (10°C to 35°C)
- **Non-operating temperature:** 50°F to 95°F (-30°C to 65°C)
- **Relative humidity operating:** 8% to 90%
- **Relative humidity non-operating:** 5% to 95%
- **Storage temperature:** -4°F to 140°F (-20°C to 60°C)
- For indoor use only

Mounting: Mounting plate provided with the unit

Electrical

Input Requirements:

- Range input voltage: 100 to 240 VAC
- Rated input current: 5.5A max (at 100 VAC)
- Rated input frequency: 50 to 60 Hz

Power supply type: (1) 290W non-hot plug power supply

Power supply output: Ref HPE ProLiant DL360 Gen 10 Server Datasheet1

Hardware Specifications

Processor: Intel® Intel® Xeon® E3-1240 v5 (4 core, 3.5 GHz, 8MB, 80W)

Number of processors: 1

Processor core: 4

Processor cache: 8 MB SmartCache

Processor speed:

- 3.5 GHz
- Storage Controller
- (1) Dynamic Smart Array B140i
- Expansion Slots
- (2) PCIe

Form factor: 1U

Form factor chassis: Rack

Memory: 48GB DRAM

Memory slots: 4 DIMM slots

Drive: 3.5" SATA - 2x 500 GB

System fan features: Non-hot plug non redundant

Graphic card: NVIDIA K2200

Network controller: 1 GB 332i Ethernet Adapter 2 ports per controller

Manufacturer: HPE

Model: HPE ProLiant DL360 Gen 10 Server

Software Specifications

Refer to Fifth Light LMS spec sheet to learn about the Lighting Management Software application.

Warranty

One year warranty

System Architecture

This diagram illustrates the main components of the Fifth Light system. The DALI wallstations, DALI multi-sensors, DALI field relay, DALI dimming module, DALI DAC and DALI dimmable drivers/ballasts communicate with the Lighting Control Panel over the DALI bus while the touchscreen communicates with the Central Manager via ethernet.

Complete Fifth Light system

