GE Daintree
Wired & Wireless Controls

Managing your environment
With energy codes and regulations changing from state to state and country to country, picking the right lighting controls solution can seem like a daunting challenge. There isn't a single solution that addresses the unique needs of each lighting project. The Result? Enterprises are forced to choose between cost effective and feature-rich systems. Since most lighting solutions are static, facility managers are stuck with a system that can’t evolve as enterprises’ priorities shift and building technologies evolve.

This changes today with Current’s new wired and wireless portfolio. Whether choosing a wired or wireless product, Current offers a future-proofed, upgradable, and feature-rich system that ensures code compliance with the ability to upgrade to a system that can deliver smart building applications today or in the future.

PRODUCTS:

Daintree Wireless Controls:
There is no one size fits all for wireless controls. Some enterprises want simple solutions that reduce energy consumption and meet code compliance while others are more ambitious, looking to capitalize on the LED and controls savings to fund a scalable, enterprise-grade, internet of things solution.

Daintree Wireless Controls offers three types of upgradable deployment options:

- **Daintree One**: Standalone Wireless Controls
- **Daintree EZ Connect**: Room-Based Wireless Lighting Controls
- **Daintree Enterprise**: IoT Lighting Controls for Smart Building Enablement

LightSweep Wired Controls:
Not all deployments are a great fit for wireless controls. Oftentimes, buildings don’t allow for new wireless devices or customers just want to leverage the existing wired lighting infrastructure. To address these needs, Current offers two comprehensive indoor lighting control systems designed to save money while improving the efficiency, comfort, safety and security of any facility.

- **LightSweep**: Simple, modular, flexible & easily expandable wired solution
- **LightSweep Digital**: Wired solution that offers scalable deployments, monitoring, and easy commissioning and consists of controllers, addressable drivers and sensors
For locations that don’t require lighting coordination and communication, Daintree One offers single fixture controls for each luminaire. Whether it is a small room or a simple deployment, Daintree One is Current’s most cost effective solution. With the ability to wirelessly upgrade to a Daintree Enterprise solution, Daintree one is a great way to build the infrastructure for powering your intelligent environment.

**WIRELESS INTEGRATED ZIGBEE SENSOR (WIZ100)**

The Factory installed WIZ100 wireless integrated is small in size and uses PIR technology single fixture or networked lighting control.

**FEATURES AND BENEFITS:**
- **Simplicity:** Integration with fixtures reduces deployment complexity with fewer devices to manage.
- **Upgradable:** Over-the-air upgrade available to increase features and functionalities.

**INTEGRATION WITH AWARD WINNING FIXTURES**

Daintree integrated sensors and controls have been available in our best in class Albeo fixtures for many years. Several of the innovative Albeo low and high Bay fixtures come with integrated sensor options: Albeo ABV3, ABR1, ALC5, ALR1, ALV1. Albeo’s modular High & Low Bay Lighting products are all assembled & shipped from the USA and designed for both retrofit or new construction projects. These are designed for Industrial facilities, warehouses, cold storage, gymnasiums, sports arenas, and high-ceiling applications.

Now offering Lumination fixtures with integrated sensor options. Lumination™ Volumetric T-Grid (LVT) recessed series for new construction and the Lumination™ Volumetric Refit Door Kit LED or LVR recessed fixture retrofit with integrated sensors. The Lumination LVT is designed to bring designer touch to any drop ceiling landscape along with energy-savings and long-life advantages of LED. The Lumination LVR is easy-to-install LED solution with door kit that makes retrofitting quick and easy. Both fixtures are best for commercial office, and retail applications.
For enterprises in need of a system that is simple, easy to install, and code complaint, Current offers Daintree EZ Connect, our newest wireless controls system. Using a thread protocol, integrated sensors and controls, and a simple mobile app, customers can dramatically decrease the installation time and expertise required to build a room-based lighting controls system for deployments of all sizes and complexities.

WIRELESS INTEGRATED THREAD SENSOR (WIT100)
The WIT100 is an integrated occupancy and photosensor utilizing passive infrared (PIR) sensing technology to detect movement. Connected directly to the fixture, the WIT100 responds to real-time occupancy events, and monitors and measures task or ambient light levels.

FEATURES AND BENEFITS:

- **Easy deployment**: Mobile app simplifies and reduces the installation process, minimizing disruption to enterprise operations.
- **Simplicity**: Integration with fixtures reduces deployment complexity with fewer devices to manage.
- **Room Based control**: Customized room-based lighting controls.
- **Feature Rich**: Integrated thread sensors offer daylight harvesting and granular lighting controls. With a BLE beacon included with each sensor, leverage lighting system for additional location-based services.
- **Upgradable**: Over-the-air upgrade available to increase features and functionalities.
- **Simple Installation**: Designed for a group of localized fixtures that communicate to each other via Thread. Wireless lighting controls are setup and controlled by the Daintree EZ Connect app, easily downloaded via mobile phone.
Daintree Enterprise provides feature-rich commercial lighting control for LED lighting products, as well as programmable thermostat automation and plug-load control of many other sensors and devices from fans to water heaters, air compressors, refrigeration and much more. Leveraging the power of Daintree Enterprise and Current’s Intelligent Environment Platform, Customers can build their own smart building solutions from an open application program interface (API) or choose an app from one of Current’s 100+ technology partners.

FEATURES AND BENEFITS:

• **Energy Reduction**: Up to 70% lighting energy savings across lighting assets with additional energy saving from HVAC, plug load, and fans optimization from ControlScope Manager (CSM) or the AllSites Energy management app.


• **Greater Flexibility**: Compatibility with an expanding partner ecosystem of wired and wireless devices, including Osram, LG, Leviton, Inventronics, Titan, EU Controls, and V-Mark. 3rd party ecosystem empowers customers to choose the most economical or feature-rich controls for their deployment.

• **Productivity Increases**: Use the same occupancy, environmental, and energy management data for lighting controls to improve space utilization, conference room management, employee comfort and point of sale optimization.
LightSweep is Current’s comprehensive indoor wired lighting control system designed to save money while economically improving efficiency, comfort, safety and security. LightSweep controls groups of luminaires, making it easy to dim or turn fixtures off and on 24/7 in any pattern that you choose. It’s simple, modular, flexible and easy to expand. The touchscreen programmer provides an enterprise-grade system configuration tool.

FEATURES AND BENEFITS:

- **Easy, scalable deployments**: Snap-in modules and CAT5 connectivity enable easy factory or field installation, quick field replacement, and simple upgrades. Features can be easily expanded by adding plug-in control modules.
- **Customization**: Simple programming for creating customized zones, scenes, and schedules. For very sophisticated application the powerful BACnet programmable controller allows to create very complex custom programs.
- **Easy Integration**: Support and integration with BMS systems using BACnet communication protocol.
- **Robust Software Offering**: Transforms floor plans and images into dynamic, interactive illustrations. Access schedulers, control scenes, dim sliders, and more. It’s a great looking, easy-to-use tool facility managers love.
LightSweep Digital, Current’s new wireline lighting controls product, offers granular fixture controls and environmental data management to sites that wireless controls cannot deploy due high RF interference or with high security requirements. Consisting of controllers, addressable drivers and sensors, and 0-10v wiring, LightSweep Digital offers a comprehensive ecosystem of DALI devices, sharing same communication protocol for an easy and cost effective installation.

FEATURES AND BENEFITS:

- **Ease of installation and commissioning**: Free topology wiring allows to easily deploy or to expand the system. The configuration tool is based on a friendly iPad App that has an intuitive menu and prompts to simplify the system commissioning process.
- **Scalable Deployments**: Easily expand features, adding multi-sensors that can provide more environmental parameters as well as expand the controlled spaces by adding fixtures.
- **Monitoring and Alarming**: Provides real time data from fixtures and sensors, that can be used to create alarms and trends using higher level controllers.
- **Easy Integration**: Support and integration with BMS systems using BACnet communication protocol.
## Feature Comparison

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