Daintree®

Lighting Controls Solutions
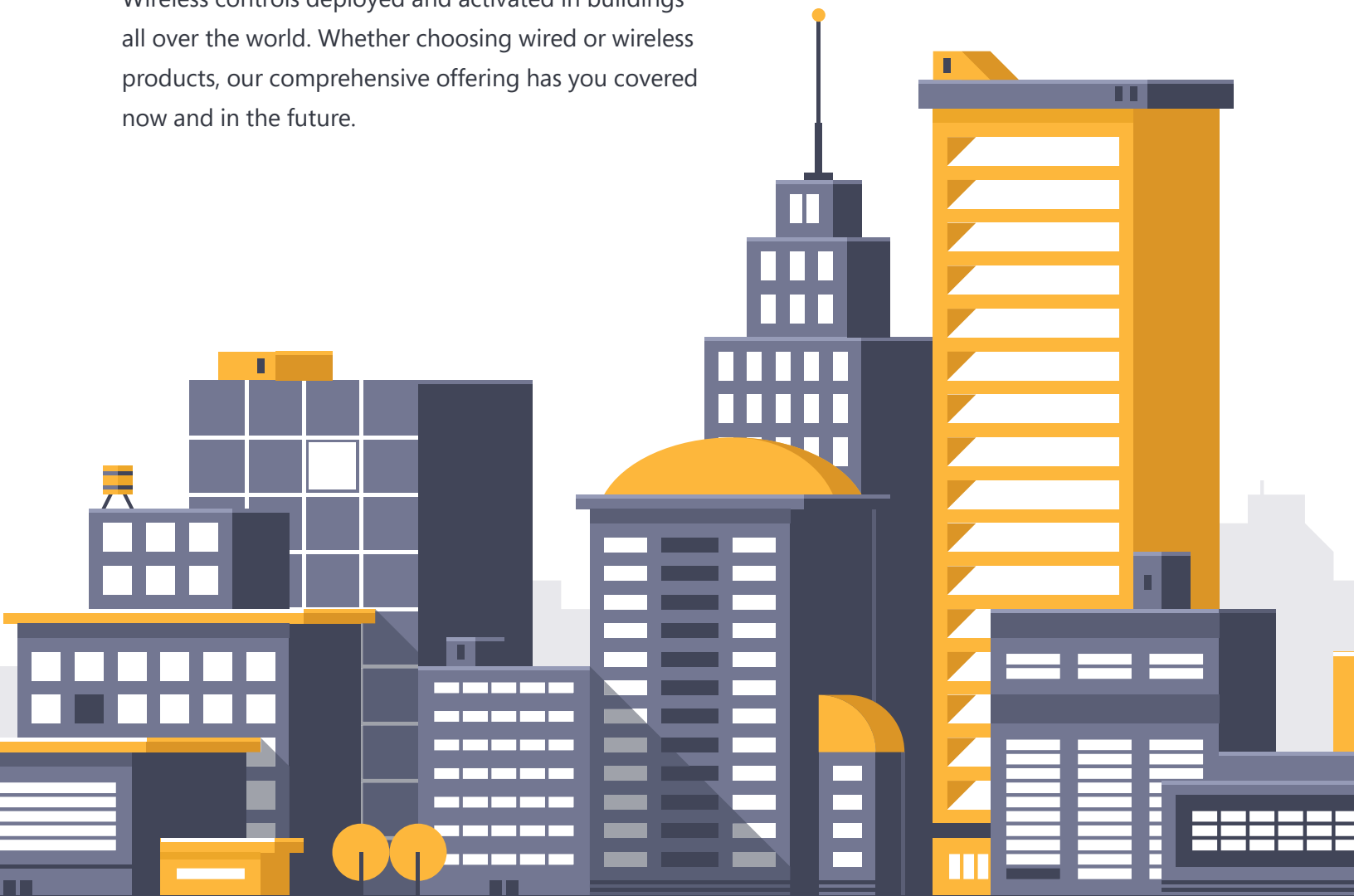
DAINTREE® AND LIGHTSWEEP® CONTROLS

Current

You're in **control**

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? Networks 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 network priorities shift and building technologies evolve.

That changes today with **Daintree** wireless and **LightSweep** wired control systems from **Current**. While both systems meet code compliance and offer advantages based on specific situational needs, Daintree wireless is the future-proofed, scalable, feature-rich option that can be upgraded at any time to deliver smart building applications. Today, we have deployed over 300 million square footage of Daintree Wireless controls deployed and activated in buildings all over the world. Whether choosing wired or wireless products, our comprehensive offering has you covered now and in the future.

PRODUCTS:

Daintree® Wireless Controls:

There is no one size fits all for wireless controls. Some networks 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. The advantage of the Daintree Wireless platform is it's ability to integrate into indoor, outdoor and high bay environments. The Daintree Wireless Controls provide the infrastructure to future proof your buildings, easily upgrade to Networked solutions and provide the ability to integrate into IoT solutions that are right for your business.

- **Daintree One**: Standalone Wireless Controls

- **Daintree EZ Connect**: Room-Based Wireless Lighting Controls

- **Daintree Networked**: Networked Lighting Controls for Smart Building & IoT Enablement

LightSweep® Wired Controls:

Not all deployments are a great fit for wireless controls. Buildings don't always allow for new wireless devices or customers just want to leverage the existing wired lighting infrastructure. To address these needs, Current offers **Lightsweep** wired controls. A comprehensive indoor lighting control systems designed to save money while improving the efficiency, comfort, safety and security of any facility.

LightSweep is an expandable system that is simple, modular & flexible that can integrate with building management systems.

Daintree One

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, warehouse or a simple deployment, Daintree One is Current's most simple and cost effective solution. With the ability to wirelessly upgrade to a Daintree EZ Connect or Daintree Networked solution, Daintree One is a great entry level sensor that allows application spaces, such as manufacturing, warehouses or big box retailers to build the infrastructure for powering your intelligent environment.

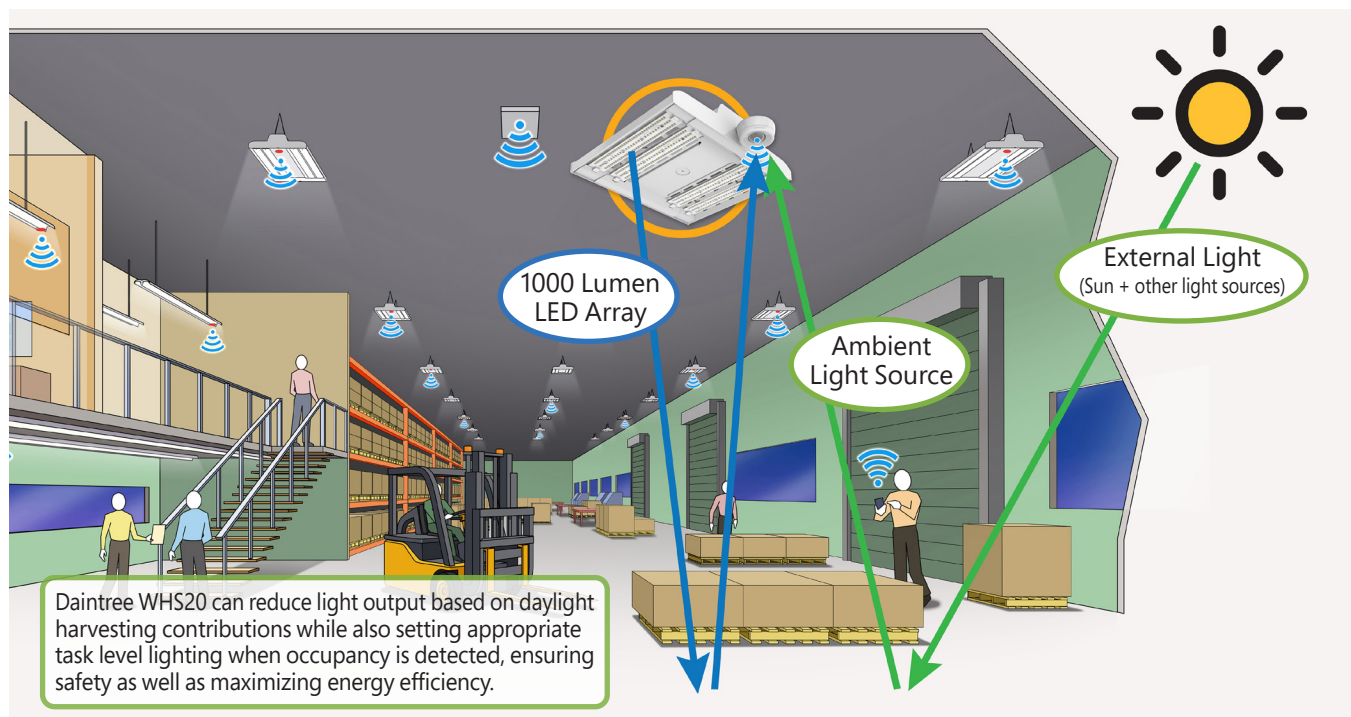## WIRELESS INTEGRATED HIGH BAY SENSOR (WHS20)

The WHS20 uses a WHR1 remote control to easily commission High Bay lighting, such as the Albeo ABV3 series.

FEATURES AND BENEFITS:

- **Simplicity:** Integration with fixtures reduces deployment complexity with fewer devices to manage.
- **Upgradable:** The Daintree ONE platform can be upgraded to other Daintree platforms with an over-the-air update to increase features and functionality.
- **Independent Control:** Each sensor can be controlled independently.
- **Pre-Programmed:** Sensors are pre-programmed at the factory, reducing install time.
- **Dynamic:** Sensor responds to both occupancy, as well as daylight.

Ambient Light Control Example

1000 Lumen LED Array

Ambient Light Source

External Light
(Sun + other light sources)

Daintree WHS20 can reduce light output based on daylight harvesting contributions while also setting appropriate task level lighting when occupancy is detected, ensuring safety as well as maximizing energy efficiency.

Daintree EZ Connect

For application spaces in need of a system that is simple, easy to install, and code complaint, Current offers Daintree EZ Connect, our mobile app based wireless controls system that provides zonal control and commissioning of lighting systems. The Daintree EZ Connect mobile app and integrated sensors allow customers to zone lighting fixtures. This simple tool can dramatically decrease the installation time and expertise required to commission a room-based lighting controls system for deployments of all sizes and complexities.

WIRELESS INTEGRATED SENSOR (WIZ20)

The WIZ20 is an integrated occupancy and photosensor utilizing passive infrared (PIR) sensing technology to detect movement . Connected directly to the fixture, the WIZ20 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.
- **Zoned Communication:** Fixtures can be zoned and the sensors talk to each other to react in concert with each other to occupancy and daylight.
- **Simplicity:** Integration with fixtures reduces deployment complexity with fewer devices to manage.
- **Room Based Control:** Customize the lighting parameters to the task that is being performed in the application space.
- **Code Compliant:** Integrated wireless sensors offer daylight harvesting and granular lighting controls.
- **Simple Installation:** Designed for a group of localized fixtures that communicate to each other. Wireless lighting controls are setup and controlled by the Daintree EZ Connect mobile app, easily downloaded from the Apple iOS app store.
- **Maintenance Free:** the integrated WIZ20 sensor is embedded into the fixture and the self-powered wireless switch (ZBT-S1AWH) do not require the use of batteries, which eliminates the need for regular maintenance scheduling.

Daintree Networked

Daintree Networked provides the infrastructure for feature-rich commercial lighting control for LED lighting. The Daintree Networked system also allows interconnectivity with other systems like HVAC, Plug Load control, fans, water heaters, air compressors and refrigeration units. The Daintree Networked platform allows building owners and managers the ability to monitor and resolve energy performance with the Daintree apps. Daintree Networked allows customers to go beyond lighting control and into the world of IoT. Daintree Networked works with ISV technology partners to provide app based data collecting programs like heat mapping, people counting, asset tracking and location based services.

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.
- **Regulatory Compliance:** Title 24; Energy Policy Act; Energy Independence and Security Act; DOE Regulations, ASHRAE 90.1-2016, IECC 2015 and IECC 2018.
- **Greater Flexibility:** Open standards enables the network to expand to incorporate additional Daintree certified devices, while providing additional flexibility in the selection of hardware components.
- **Productivity Increases:** Use the same occupancy, environmental, and energy management data for lighting controls to improve space utilization, conference room management, employee comfort and location based services, like asset tracking and wayfinding.
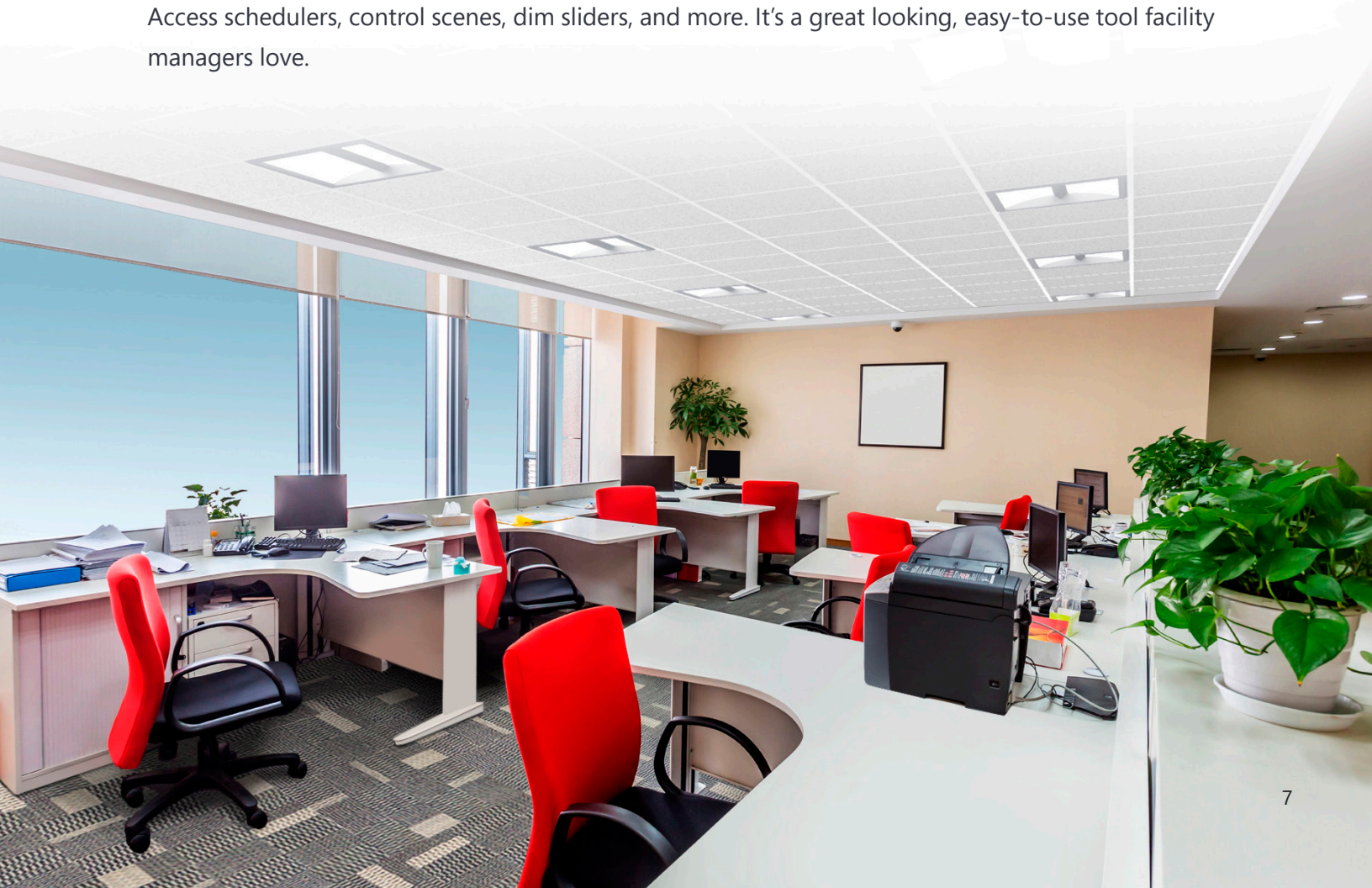
LightSweep

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 programing 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.

Portfolio Feature Comparison

	Daintree ONE	Daintree EZ CONNECT	Daintree NETWORKED	LightSweep®
	WIRELESS			**WIRED**
Single-Fixture Control	✅	✅	✅	
Daylight Harvesting	✅	✅	✅	✅
Occupancy Sensing	✅	✅	✅	✅
Embedded Luminaire Sensors	✅	✅	✅	
Zonal Fixture Control		✅	✅	✅
HVAC Controls			✅	
Environmental Monitoring and Alarms			✅	✅
Automated Demand Response			✅	✅
Plug Load Control			✅	✅
Centralized Managed Controls			✅	✅
Third-Party Sensor Compatibility			✅	✅
Third-Party Software Compatibility			✅	✅ *
Cloud Deployment			✅	
DLC Certification			✅	
Commissioning App		✅		
Energy Harvesting Wireless Switch		✅		

Via BACNET

INTEGRATION WITH AWARD WINNING FIXTURES

Daintree Wireless Controls are already integrated in your favorite Current LED fixtures. Integrating the controls into the fixture cuts labor costs considerably since the sensors are already embedded in the lighting fixtures. There's no need to get above the ceiling plenum and install additional devices. Visit our website **LED.com** for a complete list of LED Fixtures that have Daintree integrated controls.

Daintree provides a wide variety of controls options available for 0-10V control for fixtures without embedded sensors.

ABV3

ALV1

ABR1

LVT

LVR

For more information contact your Current rep or go to **LED.com**