



Daintree Networks®

ControlScope™ Wireless Lighting Controls
for Energy-Smart Buildings



Making Buildings Energy-Smart

Daintree Networks' ControlScope brings intelligent energy reduction to commercial buildings.

In the search for global energy sustainability, existing commercial buildings have emerged as perhaps the greatest opportunity for immediate improvement. Responsible for more than 40% of the world's energy consumption, inefficient buildings are becoming the subject of stringent government regulations, utility incentive programs and green building certifications, creating an opportunity for real change.

Daintree Networks is bringing intelligent energy reduction to commercial buildings, with ControlScope—the industry's first standards-based solution for wireless lighting control. ControlScope delivers:

- Tremendous lighting energy savings for commercial buildings – up to 70%
- Powerful facility controls with lower cost and complexity than ever before
- Choice of open standards-based, interoperable lighting products from trusted suppliers
- Advanced, enterprise-wide energy management strategies

ControlScope solves some of the lighting industry's toughest problems by eliminating wiring—allowing broader and more granular control, reducing costs, making commissioning simple, and extending the benefits of lighting control to retrofits and other new markets.

Intelligent. Wireless. Open.

Harnessing the power of wireless control to reach new energy goals.

Daintree Networks makes energy savings possible in commercial and industrial buildings by providing the industry's most comprehensive, reliable and intelligent wireless lighting control solution. At the core of this solution is ControlScope, a software-based platform built on years of development and expertise in wireless mesh networking standards.

In a ControlScope-powered solution, a smart wireless mesh network takes the place of dedicated control wiring and physical control panels. ZigBee® standards-based sensors, wall switches, ballasts and LED drivers all communicate with each other wirelessly, drastically reducing the cost and complexity of retrofitting lighting controls. Facility managers can set intelligent control strategies through ControlScope Manager, Daintree's Web-based application, and those commands are applied wirelessly to individual lights, or across the building or enterprise.

The result for end users is greater control over their energy use, across a larger area, with simpler management, and at a lower cost.





Wireless That Works

Daintree Networks knows how to make smart wireless systems that work—simply and reliably.

Since its start in 2003, Daintree has been a leader and innovator in the development of embedded wireless networking and smart-building technologies. Our Sensor Network Analyzer has long been the industry-standard tool for wireless embedded development and testing among ZigBee developers, and has helped close to 400 customers bring to market products in smart meters and smart energy, home and commercial building automation, smart lighting, health care, telecommunications, consumer products and more.

Joined by established leaders in the lighting and building management industry, we have applied our years of experience and patented advances in wireless communications to develop the most powerful, reliable and easy-to-use wireless lighting control system on the market.

Leading the New Standard

Working together to build open & interoperable energy solutions.

We believe that the right way to deliver the greatest energy efficiency is through the use of open standards, which allow lighting controls products to work together seamlessly – without proprietary, closed technology.

That's why Daintree Networks helps our lighting partners bring high-quality, standards-based wireless lighting control products to market. We provide the core wireless network communications and control intelligence for a new generation of control solutions, while enabling our partners to continue to do what they do best: build and deliver trusted, high-quality control devices and systems. Building managers can continue to work with the products and vendors they trust, while gaining all the benefits of wireless controls.



The Benefits of Wireless

- **Simplicity:** ControlScope brings to an end the typical lighting control cycle of highly complex wiring, commissioning, management and everyday use. It was built from the ground up to be intuitive: easy to learn, easy to operate, and easy to commission through patent-pending auto-commissioning methods.
- **Intelligence:** ControlScope brings powerful, intelligent control to facilities managers. We enable multiple automated and manual energy management strategies, across large and distributed enterprises, and deliver advanced energy data for demand management and measurement.
- **Open Standards and Interoperability:** ControlScope is the industry's only truly standards-based, interoperable wireless lighting control system. Using the popular ZigBee standard brings customers lower-cost components, a wide choice of products and capabilities, and greater peace of mind.
- **Scalability:** Facilities staff can remotely manage ControlScope wireless lighting systems that scale from a single room, entire floor or building up to a complete distributed enterprise.
- **Faster Payback:** Removing the wires from lighting control increases capabilities and removes cost—meaning a higher ROI and faster payback.

Reducing Energy Use with Wireless Lighting Control

	Savings
Timers: Dim and turn off lights when rooms are unoccupied.	up to 40%
Photosensors: Adjust electric light levels to take natural light into account.	up to 20%
Occupancy sensors: Adjust lights based on occupancy detection.	up to 40%
Task Tuning: Dim lights to reduce maximum light levels for each space.	up to 20%
Personal control: Individuals set light levels to suit personal preferences.	up to 10%
Demand response: Reduce lighting levels to take advantage of demand response incentives from utilities.	variable
Combined savings	up to 70%

About Daintree Networks

Daintree Networks is revolutionizing the way commercial and industrial buildings intelligently manage and reduce their energy use. Daintree provides the industry's leading wireless lighting controls solution, delivering substantial energy efficiency improvements and occupant-friendly work environments, all in a more cost-effective way than ever before.

Since its founding in 2003, Daintree Networks has been a pioneer in wireless mesh networking, with nearly 400 customers using its industry-standard design verification and operational support tool. The company has brought this extensive experience to bear in developing the market's first truly open and interoperable platform for wireless lighting controls. For more information, visit www.daintree.net.



Daintree Networks, Inc.
1503 Grant Road, Suite 202
Mountain View, CA 94040 U.S.A.

Phone: +1 (650) 965-3454
email: sales@daintree.net
www.daintree.net