

# Wireless Photosensor (WPS1)

## Daintree Wireless Solution

The **Wireless Occupancy Sensor (WPS1)** is part of the Daintree product portfolio, an open networked wireless controls solution for lighting and building control, monitoring, and optimization. Daintree controls provide a highly scalable solution to address evolving environmental regulations and transform spaces into intelligent environments for buildings of all sizes.

Consisting of three components, Daintree includes sensors and controls at the edge, an open API cloud platform, and software apps to help facility managers make decisions based on how space and assets are actually being used using a data-rich sensor network. Benefits of adding wireless Daintree controls include:

- Up to 50% Energy savings across lighting, HVAC, plugload, fans and more
- Visibility into energy usage, trends and insights to optimize operations
- Automated demand response, superior comfort and lower maintenance expense
- Regulatory compliance with Title 24; 2005 EnergyPolicy Act; 2007 Energy Independence and Security Act; 2009 DOE Regulations

## Daintree Wireless Solutions Product Overview

The WPS1 is a battery-powered photosensor that is used to monitor and measure task or ambient light levels. As part of the ControlScope system and using open, standards based ZigBee wireless communications; the WPS1 reports real-time light measurements. Designed to work with ControlScope's closed loop daylight harvesting solution, the WPS1 enables automatic and continuous adjustment of electric light levels to user-defined setpoints.

Installation is also quick and easy without the need for any wires or plenum access, while its sleek, low-profile design will complement any office or professional environment.

- Suitable for many applications, including commercial office, retail, and education
- Simple ceiling mount
- Completely wireless installation, ideal for retrofit installations



Daintree Network Architecture



Wireless Photosensor,  
(WPS1)



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## Warranty

Current offers a limited Warranty across its Daintree Portfolio. The table below summarizes the Warranty terms. For additional information, please review the Limited Warranty Document on the Daintree Homepage.

Component	Warranty Period	Coverage Details
<b>Daintree Software</b>	1 year (on-premise installed Software) Subscription term (SaaS) 3 years	GE warrants that as long as all applicable fees due are paid, Daintree Software will substantially conform to the applicable published documentation and published specifications for the Warranty Period.
<b>System Controller</b>	3 years	100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; GE makes no warranty with respect to non-Daintree software.
<b>WACs</b>	5 years	100% parts coverage
<b>Wireless Adapters</b>	5 years	100% parts coverage
<b>Wireless Devices</b>	5 years	100% parts coverage, excluding batteries
<b>Wireless Thermostats</b>	2 years	100% parts coverage

## Specifications

<b>Dimensions</b>	Diameter x Depth: 3.7"x 1.3" (95mm x 32mm) Weight: 75g (without battery)
<b>Indicators</b>	Network LED (green): Network joined; Installation test; Low battery Sensor LED (red): Installation test
<b>Controls</b>	Utility button: Installation test; Activate device; Reset
<b>Sensor Range</b>	1 to 2000 Lux
<b>Lens</b>	60° cone, Fresnel lens
<b>Radio Properties</b>	2.4 GHz +7dBm transmit power
<b>Operating Environment</b>	14°F to +122°F (-10°C to 50°C) Indoor use only
<b>Mounting</b>	(2) Screw holes on base plate; ceiling mount; twist-lock, removable sensor
<b>Compliance</b>	US: FCC Part15B, FCC ID (NRH-ZB-Z100B) Canada: ICES/NMB-003 Class B, IC ID (8984A-Z100B)
<b>Power Supply</b>	(2) AA 3.6V Lithium-thionyl chloride battery (included)
<b>Battery Life</b>	5 Years (normal operation)
<b>Warranty</b>	5 Years

Product Code	Product Description
<b>WPS1</b>	Wireless Photosensor

