



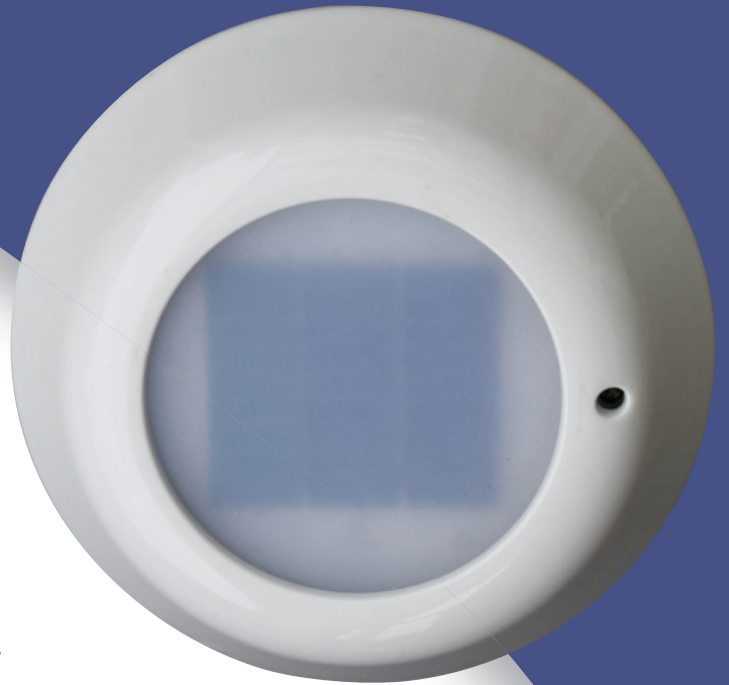
Lumen Sensor

Use natural lighting to help reduce energy use in interior spaces.

The Verve® Lumen Sensor can be used in conjunction with many Verve control products to help manage artificial light levels in a wide variety of interior spaces. The sensor monitors light levels within a space and transmits the information to a Verve controller that has been preconfigured with lighting set points to achieve the lighting levels you desire within the space. The controller compares the information from the lumen sensor to the preconfigured set points, determining whether more or less artificial lighting is required and adjusting light levels accordingly. The lumen sensor is wireless and can be installed in minutes because there are no additional wires to run. They require no batteries so on-going maintenance costs are eliminated.

Features & Benefits

- Communicates wirelessly with other Verve devices using EnOcean radio frequency technology.
- Integrated solar cell enables ambient solar harvesting to power the device and eliminates the need for wires or batteries.
- Photo sensor maximizes efficiency in a variety of room settings and configurations.
- Works in conjunction with a controller to enable all-on, all-off and dimming of lighting.
- Capable of operating in low light conditions.



Lumen Sensor

Specifications

Power Supply	Solar harvesting
Inputs/Outputs	<ul style="list-style-type: none">• Solar cell for energy harvesting• Photo sensors• Radio Frequency (RF) transmitter• LINK button for device configuration
Detection Range	0-510 lux
Communications	315MHz EnOcean RF transceiver
Transmission Range	80ft. (25m)
Light Required to Maintain Operation	40 lux minimum
Charge Time to Startup	5 minutes @ 40 lux
Time to Full Charge	6 hours @ 40 lux
Fully Charged Operating Life in Darkness	8 hours
Radio Transmissions	120 seconds @ < 50 lux 10 seconds @ > 50 lux
Dimensions	4" round x .9" (100mm x 23mm)
Weight	2.6oz. (74g)
Mounting Height	Ceiling mount with screws (not supplied), or double side tape
Environment	<ul style="list-style-type: none">• Indoor use only• -13° to 145°F (-25° to 65°C)• 5% to 95% relative humidity (non-condensing)
Agency Listing	FCC, I.C.
Warranty	5 years

Ordering information

Item Number	Item Description	Color
X4102200W3VN	Lumen Sensor	White

Typical Applications

Verve® Lumen Sensors are the perfect energy saving solution for any space that has a substantial amount of natural light making it unnecessary to keep artificial lights on at full power. Install lumen sensors in guest rooms, living spaces, common areas or hallways and link them with our in-line switch module or single channel controller to ensure that lights are only on when they are needed.



In-Line Switch Module
VISM-W



Single Channel Controller
X2101F03E3VN



Occupancy Sensor, Wall
VOSW-W (shown)
Occupancy Sensor, Ceiling
VOSC-W

VERVE® LIVING SYSTEMS
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