InteLite® Smart Motion
Your lights are costing you too much!

Of total electrical costs, lighting averages:
8% for commercial/industrial buildings
50% or more for warehouses/distribution centers

$ROI – installing efficient lighting and controls is the fastest way to reduce energy costs.

To reduce lighting expense, it comes down to these options:

1. Lower fixture wattage
2. Reduce fixture-on time
3. Optimize light output for operations
4. Reduce maintenance costs
5. Eliminate risk–financial, technology, litigation, insurance

You’ve probably done some of these already. Take advantage of all of the above to reduce your energy costs for lighting. Even companies that retrofitted only two years ago have switched to Orion technology.

Orion will take you beyond traditional solutions with truly ground-breaking advances using our wireless InteLite® controls and Orion high-intensity fluorescent and LED lighting platforms.

Orion has saved over $1.6 billion, primarily in lighting costs, for more than 8,200 customers, including 144 of the Fortune 500.

Bright was easy.
Smart is where the Money is.™
All the benefits of advanced controls without the complexity and cost

InteLite® Smart Motion is unique because of Orion’s Dynamic Control Devices and wireless Blaster™ technology.

Dynamic Control Device (DCD)

Sensors detect both transient motion and sustained activity.

- Passive Infrared Motion sensor
- Two pre-programmed microprocessors detect and intelligently respond to either transient motion or sustained activity
- Wireless transceiver – FCC approved
- Patent-pending “Blaster” function provides zone control during occupied times and eliminates distracting individual fixture cycling
- Stand-alone device – no complicated, wired, centralized computer system required

Blaster™

Orion’s unique Blaster technology enables fixtures to wirelessly “talk” to each other. Wireless commands are sent to every fixture in an entire aisle or a specific zone based on the type and duration of the motion detected. No wasted electricity for lighting you don’t need. Simply install DCDs on the groups of fixtures you want to control as a zone.
Applications

General – Task – Aisle

Preprogrammed for General, Task and Aisle operations. You can select from a wide menu of preprogrammed timings and light outputs for any of these operations.

Flexible control. Your facility has areas with different operations and lighting requirements. Those lighting requirements may change throughout the course of a day. These may also change based on activity, seasonal production cycles or other variables.

Plug-and-play simplicity. You only have to put the appropriate preprogrammed Smart Motion DCD on your Orion fixture to set up your areas with the lighting control system you need.

If your facility layout changes, simply move the appropriate Smart Motion DCDs to the fixtures in the revised zones. You can also add or remove Smart Motion DCDs to accommodate new zones.

No need for personnel to rewire or reprogram complicated systems for new lighting layouts.
**Aisle**

Racking and storage areas that require Full light levels only when picks are being made or for other sustained activity.

**Traditional – on Full output for entire time period with every motion event.**

- On at Full and for full time, even though driver is just passing through.
- Fixture activates to Full for full time with any length or type of activity.

**InteLite® Smart Motion Control – only on Full when needed, then go to Low, then Off.**

- InteLite® Blaster turns on entire aisle at Low for a limited time when driver is just passing through.
- Individual fixtures activate to Full for selected minimum time repeating for as long as sustained activity is detected.

**Typical Motion Control**

- Easy to over-drive lights; the driver is entering a dark space with reduced visibility.
- Harsh state changes are distracting, and can induce employee fatigue, increasing errors.
- Typically set for 15 or 30-minute on time. Lights are often on long after activity has ended.
- Individual fixture control only.
- Shorter on times will over-cycle fixtures and thereby degrade ballast and lamp life.
- Timer resets with every motion event, so fixture may be on Full output for extended periods.

**InteLite® Smart Motion Control**

- Lights activated in front of driver.
- Energy saving sequence from Full to Low to Off. Use much less electricity than traditional motion sensor.
- Patent-pending wireless “Blaster™” signal will activate entire aisle to Low light output for an ideal time set by facility management when transient motion is detected.
- Individual fixtures go to Full light output for set time selected by the end user, staying at Full for as long as sustained activity is detected. Then goes to Low output, then Off.
Take Control

Get only the systems and technologies that makes sense for you.

**InteLite**® – the right solution for small buildings all the way up to large, complex operational zones located in multiple sites

75% reduction in lighting costs by using InteLite for a warehouse that was using traditional motion sensors on fluorescent fixtures

Upgradable – with proper documentation by the installer and end-user, InteLite® Smart Motion can be upgraded into an InteLite® Integrated System.

Coca-Cola, Apple, Quad Graphics, Sysco Foods and Toyota are just a few of the companies enjoying the cost-cutting advantages of the InteLite® Integrated System.

See what InteLite® can do for you.

Call 866.660.9340 today.

Don’t be fooled by a low price – look at your total savings.
Real Results
1.2 billion square feet of experience

Headquartered in Sussex, Wisconsin, Quad Graphics in 2002 retrofitted 15 million square feet of printing and warehouse facilities. Switching from HID to Orion resulted in a 50% increase in light levels while reducing costs 55%.

They are now upgrading 10 million square feet of that to the latest InteLite® controls and Orion lighting technology. This upgrade means a further reduction of 40% in their lighting costs – without compromise.

In 2009, US Foods, one of the country’s most innovative food companies and leading distributors, began retrofit projects to phase out its 400-watt HID lighting in favor of Orion’s 220-watt fluorescent solution at more than two-dozen facilities. They gained 50% operational cost savings and enjoyed increased light output.

Now, less than three years later, US Foods is installing Orion LED freezer fixtures with controls in their distribution centers for even more cost savings.

Fewer people will go to bed hungry tonight as a result of a partnership among the St. Louis Area Foodbank (a United Way agency), Orion Energy Systems and Innovative Facilities Solutions. Employing a highly effective suite of Orion’s technologies, the St. Louis Area Foodbank reduced electricity consumption by 183,422 kilowatt hours generating enough cash savings to provide 51,800 meals annually.

That means 142 children and their moms and dads will receive an additional nutritious meal every day – for the next 20 years!
Orion Energy Systems’ 30-acre campus employs an advanced, full-range energy management strategy that takes Orion completely off the electrical grid for significant portions of the day. Included in Orion’s all-encompassing approach are its advanced fluorescent and LED lighting platforms, the Apollo® Solar Light Pipe, photovoltaic rooftop solar panels, wind turbines and thermal storage—all managed and controlled with Orion’s InteLite® Integrated System.

**Energy. Smarter.™**

Orion has delivered significant savings to some of the best-known, toughest customers on the planet. Not just once – some companies have installed Orion technology over one hundred times.

Orion Energy Systems leads the way with innovative daylighting, high-intensity fluorescent and LED platforms for interior and exterior lighting, wireless controls and energy management systems, thermal storage, solar photovoltaic and wind turbines.

Since 2001, Orion has delivered these results:

- **$1.69 billion** saved by our customers
- **144 of the Fortune 500** are customers
- **8,212 facilities** completed
- **739 MW** permanently displaced from the electrical grid (more than a traditional coal power plant)
- **21.9 billion kWh** saved
- **14.5 million tons of CO₂** prevented from entering the atmosphere

Call **800.660.9340** today and learn how you can dramatically reduce your energy costs—without compromise and with no financial or technology risk.