LED Solutions.
Innovative

LED lighting is directional. This eliminates the waste of light shining out the top of traditional lamps and fixtures. The unique design of Honeywell luminaires and LED lamps allows for a +/- 30 degree directional rotation of light, providing greater lighting coverage where it is needed.

Efficient

LED lighting technology from Honeywell can deliver 25-50% energy savings when compared with traditional T8 or T12 fluorescent tubes.

With lighting representing an average of 20-22% of a building’s total energy consumption, and with the continuing drive to reduce energy consumption in all types of buildings and facilities, choosing Honeywell LED Lighting can make a substantial contribution toward energy reduction targets. Along with the environmental benefits, Honeywell LED customers can realize a positive financial impact through the significant savings on energy bills, longer life, reduced maintenance costs and environmentally safe disposal.

Reliable

Honeywell’s external driver design enables long lamp life, exceeding 50,000 operating hours. Our market leading warranty ensures that our customers make the right choice with LED solutions by Honeywell. The lumen depreciation of Honeywell LED Lighting products will not exceed 30% within a five-year period.*

Honeywell’s LED Heritage

Honeywell has a heritage of enabling LED technology and has been instrumental in bringing LED technology to the market. Honeywell’s 45 years of experience in advanced electronic materials for the semiconductor industry have driven the materials and processes required for key components of LED manufacturing. By refining the manufacturing process to enable better thermal management and electrical interconnect technology, Honeywell is able to bring technologies normally associated with the military and aerospace sectors to a wider commercial market.


*Subject to environmental conditions. Terms and conditions apply.
Honeywell Labs

The Honeywell Research & Development and Manufacturing Center for Lighting has its own independently verified testing laboratories. This resource enables us to develop and test new products extremely efficiently, and provide customers with all the relevant photometric data files direct from Honeywell. We also use independent, third parties to verify this photometric data. For the latest photometric data, please visit led.honeywell.com/na.

A World Class Manufacturing Facility

Significant investments have been made by Honeywell to establish a world-class R&D and production facility for LED technology. The manufacturing plant relies on the Honeywell Operating System, an integrated system built on a Six Sigma foundation to drive sustainable safety, quality, delivery, cost and inventory improvements in Honeywell factories worldwide.

Since 2008, Honeywell has been providing energy saving LED lighting solutions to customers around the world including Walmart China, enabling it to become the first global supermarket chain to use LED technology for the general provision of light.

LED lighting technology from Honeywell can offer up to 50% energy savings, when compared with traditional lighting technology.
With the continuing drive to reduce energy consumption in all types of buildings and facilities, choosing Honeywell LED Lighting can make a substantial contribution toward energy reduction targets. Along with the positive environmental impact, you’ll also enjoy a very positive financial impact — dramatic savings on energy, maintenance costs, business interruption and disposal fees, culminating in overall lower total cost of ownership.

Statistics published by the U.S. Department of Energy show that, across a broad selection of non-domestic applications, lighting represents, on average, 20% of a building’s total energy consumption. Installing Honeywell LED Lighting in place of traditional fluorescent tubes can have a dramatic impact on a building’s energy consumption. The extended lamp life reduces maintenance costs. Plus, because LED lamps contain no mercury, there are lower disposal costs and no hazardous waste.

Honeywell warranties that the lumen depreciation of Honeywell LED Lighting products will not exceed 30% within a five-year period. This limited warranty further covers faulty materials and workmanship of the luminaire, LED driver or LED lamps for the same five-year period. Contact Honeywell for more information.

Primary Energy Consumption By End Use

Lighting 20%
Space Heating 16%
Space Cooling 14.5%
Ventilation 9.1%
Water Heating 4.4%
Refrigeration 6.6%
Electronics 4.4%
Computers 3.6%
Cooking 1.4%
Other 19.9%


Lighting represents, on average, over 20% of a building’s total energy consumption.
The Honeywell Difference

LED Lamps
Saving energy of up to 50% is just one of the many benefits of Honeywell LED lamps. They also cut replacement and maintenance costs through their long service life. The mercury-free design also helps protect the environment and reduce disposal costs.

- A choice of color temperatures – 3500K (soft white), 4100K (white), 5000K (daylight)
- 120 degree beam angle directs light where needed
- 10W and 18W power ratings
- Available in a choice of lengths – 2-foot and 4-foot
- Mercury free
- Polarized and color-matched end caps for easy installation
- Lumen depreciation: 30% after 50,000 hours
- Limited five-year warranty*

External Drivers
All Honeywell luminaires are supplied with drivers that are designed to be external to the lamp. This feature allows Honeywell to achieve better heat dissipation, greater reliability and a lower total cost of ownership than ‘internal’ driver LED lamps.

Honeywell’s unique external driver design minimizes the effect of heat depreciating the lumen output of LEDs, and delivers greater system life compared to traditional internal driver systems, resulting in an industry leading five-year warranty.

The Benefits of Rotating Tubes

Honeywell luminaires and LED tubes allow for the +/- 30 degree directional allocation of light providing greater coverage.

*Subject to environmental conditions. Terms and conditions apply. Contact Honeywell for more information.
Energy saving and environmental protection is essential for the retail industry. Walmart is the first supermarket chain to adopt LED products as its main lighting source worldwide and we are a pioneer of low carbon and energy saving efforts in the retail industry. Honeywell's LED lighting has a proven track record of performance from the 100 stores installed last year, helping Walmart achieve our energy-saving goals, and we look forward to expanding this green lighting initiative to more stores, both in China and around the world.

Peter Sharp, president, Wal-Mart Asia Realty

Based on preliminary estimates, each of the stores will save around $128,000 per year on their electricity bill and they will have recovered their initial investment cost in 2.5 years. The reduction in electrical consumption represents an approximate savings of 15% of Walmart’s total electrical expenses.
Honeywell LED Lighting helps Manchester University lead the way in carbon reduction

Manchester University is the largest single site university in Britain, with 300 buildings, more than 299 acres and 50 miles of corridors. Faced with a 5% year-on-year carbon reduction target, energy engineer Damian Oatway analyzed the university’s energy consumption and estimated that 55% of that energy was consumed by lighting.

Installing Honeywell LED Strip Lighting fixtures in place of the existing T12 fluorescent luminaires resulted in a load reduction of 70% and saved the university the equivalent of 8.6 tons of carbon over the course of the year.

Manchester University replaced 120W T12 fluorescent luminaires with Honeywell LED Lighting, resulting in:

- **A load reduction of 70%**
- **Savings of approximately 20,000 kWh per year**, which is equivalent to about **8.6 tons of carbon**

"We can see these results with a test installation in corridors in just one building."

Damian Oatway, Energy Engineer
Choice of Luminaire

Vapor Tight

Designed for areas where protection from dust and water is essential, the Honeywell LED Vapor Tight Luminaire is rated to IP67 standards. An excellent solution for 24/7 operation or in hard-to-reach and difficult maintenance areas such as parking garages, commercial food preparation environments, cold storage facilities and many other industrial areas. Manufactured in high-strength fiberglass with an impact resistant clear acrylic ribbed lens for durability and long-term performance.

- Hardened and durable industry leading design
- IP67 rated
- Weatherproof with choice of mounting options
- Mercury free
- Tool-free removable cover

With an IP67 rating, the Honeywell LED Vapor Tight Luminaire is totally protected against dust and water.

Surface Wraps

The Honeywell LED Surface Wrap Luminaire protects and diffuses the LED lamps while providing general illumination. The Surface Wrap Luminaire resists dust and insects and the diffuser is made of high quality clear prismatic acrylic. Suitable applications include stairwells, service corridors, manufacturing floors and other industrial areas.

- Diffused flame-retardant acrylic
- Durable, non-fade material construction
- Surface or pendant mount for a distinctive look

Choice of quick release captive lens retaining clips

Easy accessibility

Simple to maintain

The Honeywell LED Surface Wrap Luminaire protects and diffuses the LED lamps while providing general illumination. The Surface Wrap Luminaire resists dust and insects and the diffuser is made of high quality clear prismatic acrylic. Suitable applications include stairwells, service corridors, manufacturing floors and other industrial areas.

Industrial Strip Lighting

The Honeywell LED Industrial Strip Luminaire is a robust fixture for surface- or suspended-mount applications. Its lightweight and compact design make the LED Industrial Strip Luminaire a perfect solution for both hard-to-reach and exposed areas. Most often used in electrical or storage rooms, cold storage facilities, warehouses, manufacturing floors and many other industrial areas.

- Choice of two-foot and four-foot lengths
- Lightweight and easy to fit
- Luminaire comes with a limited five-year warranty*

Honeywell’s unique rotating sockets allow for directional lighting control.

Quick-release gear tray cover

*Honeywell warranties that the lumen depreciation of Honeywell LED Lighting products will not exceed 30% within a five-year period. This limited warranty further covers faulty materials and workmanship of the luminaire, LED driver or LED lamps for the same five-year period. Contact Honeywell for more information.
Visit led.honeywell.com/na to try the ‘energy savings calculator’ and see the possible savings that Honeywell LED solutions can deliver. The easy-to-use online tool requires simple information and demonstrates the value of Honeywell LED lighting.

**Trial & Pilot Installations**

Trial installations are available to offer onsite evidence of product performance, energy savings and customer confidence. Contact Honeywell for more details.
## Ordering Information

### Vapor Tight Fixtures

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### Surface Wraps

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### Strip Fixtures

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Learn More
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