



Bright Thinking



Up to 60,000 hours in use

- Reduced energy consumption
- Reduced maintenance costs
- Reduced disposal costs
- Limited three year warranty*

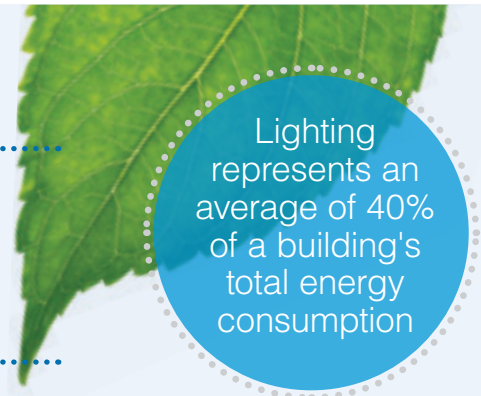
Honeywell LED Utility Lighting is the essence of endurance, lamps last up to six times longer than traditional fluorescents, delivering cost savings through incredible energy efficiency and reduced maintenance.

Honeywell LED Utility Lighting

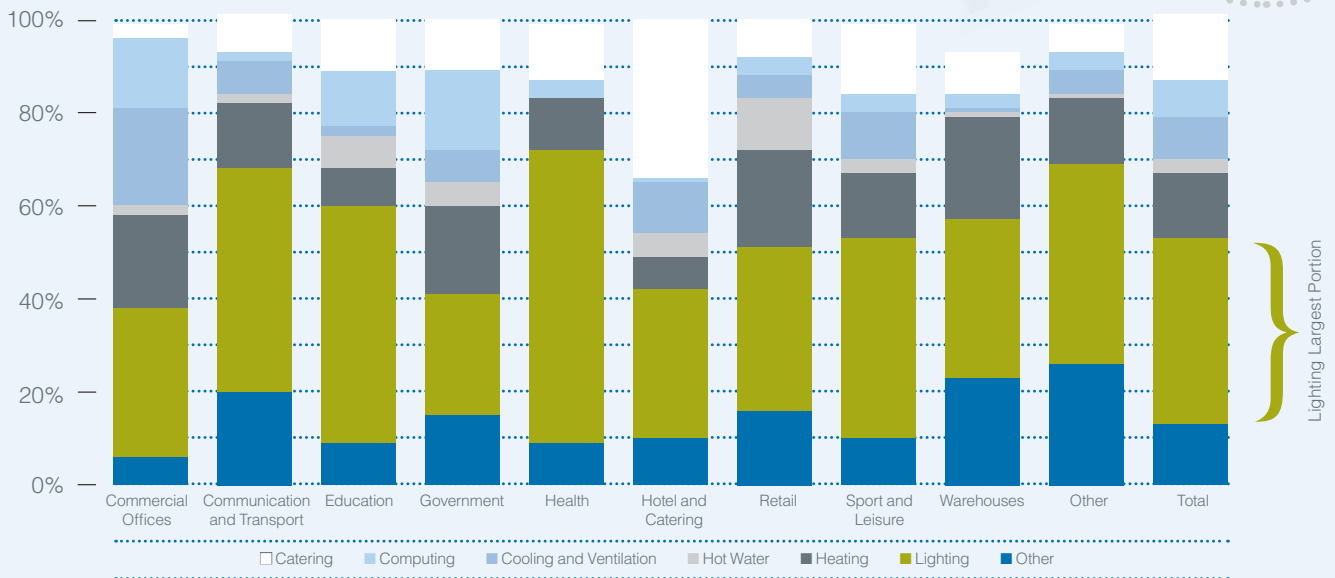
Built to ISO 9000 quality assurance standards and backed by Honeywell's long history of reliability, Honeywell LED Utility lighting is sure to be the sustainable lighting choice for generations to come.

ENERGY SAVINGS

With the continuing drive to reduce energy consumption in all types of buildings and facilities, choosing Honeywell LED Utility Lighting can make a substantial contribution towards energy reduction targets. Along with the positive environmental impact, you'll also enjoy a very positive financial impact — dramatic savings on energy bills.



Lighting represents an average of 40% of a building's total energy consumption



Statistics published by the Building Research Establishment show that, across a broad selection of non-domestic applications, lighting represents, on average, 40% of a building's total energy consumption. Installing Honeywell LED Utility Lighting in place of traditional fluorescent tubes in utility areas and corridors 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.

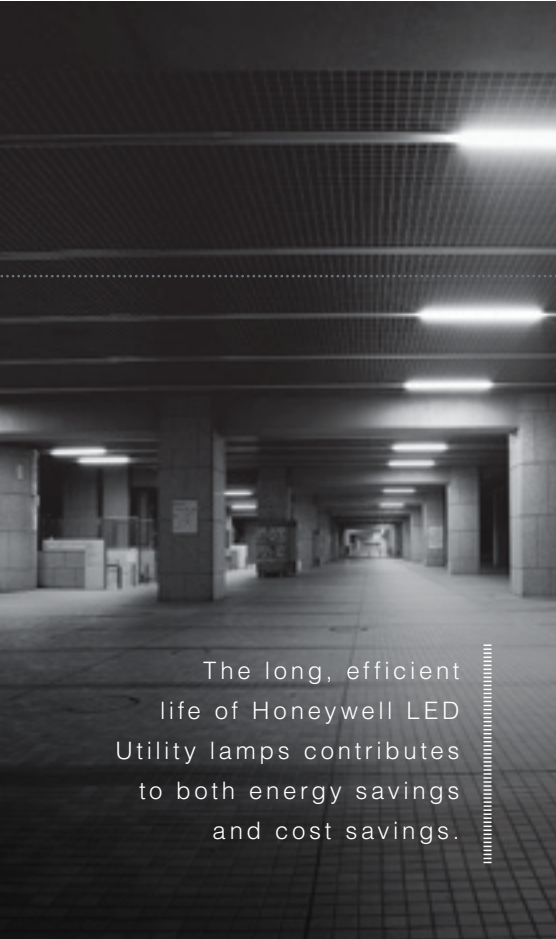
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SUSTAINABILITY

The sustainability of LED lamps stretches beyond low energy consumption. A longer lamp life means fewer lamps are consumed over a period of time and less maintenance is needed. This reduction in consumables results in conservation of raw materials and reduced manufacturing energy.

WASTE REDUCTION

For everyone — manufacturers, installers and consumers — replacing lamps less frequently results in less waste. **In addition, LED lamps don't contain mercury and don't fall into the 'Hazardous Waste' elements of the RoHS Regulations, characteristics not true of fluorescent tubes.**



The long, efficient life of Honeywell LED Utility lamps contributes to both energy savings and cost savings.

Honeywell LED Utility Lighting Helps Manchester University Lead the Way in Carbon Reduction

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

Installing Honeywell LED Utility Lighting Battens in place of the existing T12 fluorescent luminaires resulted in a load reduction of 70% and saved the University the equivalent of 8.6 tonnes of carbon over the course of the year. "If we can see these results with a test installation in corridors in just one building, just think what we can achieve across the whole site," said Damian.



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

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



Lightweight and easy to fit, Honeywell LED Utility Lighting Luminaire comes with a limited three year warranty*.

Batten

Honeywell LED Utility Lighting Luminaire

FEATURES AND BENEFITS

- Lamp life up to 60,000 hours
- 1.2M and 1.5M lengths
- Tool-free removable gear cover
- Luminaires supplied with LED drivers
- Total lumen output: 2013lm (based on HL12BT18WCE)
- Operating Temperature: -25°C to 45°C
- Standards: BS EN 60598
- Manufactured to: BS4533
- Limited three year warranty*

The Batten Honeywell LED Utility Lighting Luminaire is a robust batten for surface mounting. The casing is formed from 1mm Zintec steel, making the battens lightweight and easy to fit. Available in 1.2M and 1.5M lengths, both standard and emergency options are available.

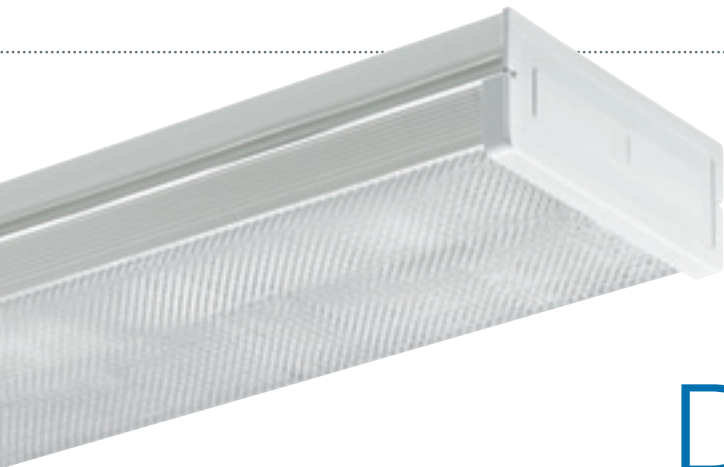


Quick release gear tray cover

CODE	DESCRIPTION	DIMENSIONS LxWxD (mm)
HL12BT18WCE	Honeywell LED Luminaire 1.2M Batten Twin 18W	1230 x 110 x 85
HL12BTEM18WCE	Honeywell LED Luminaire 1.2M Batten Twin Emergency 18W	1230 x 110 x 85
HL15BT23WCE	Honeywell LED Luminaire 1.5M Batten Twin 23W	1535 x 110 x 85
HL15BTEM23WCE	Honeywell LED Luminaire 1.5M Batten Twin Emergency 23W	1535 x 110 x 85

Luminaires and tubes should be ordered separately. For full technical and photometric data, see product data sheets available at www.mkelectric.co.uk.

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Complies with NHS recommendations for dust and insect repellent light fittings.

Diffused

Honeywell LED Utility Lighting Luminaire

FEATURES AND BENEFITS

- Lamp life up to 60,000 hours
- Choice of fixing options
- Tool-free removable gear cover
- Luminaires supplied with drivers
- Total lumen output: 1791lm (based on HL12DT18WCE)
- Operating Temperature: -25°C to 45°C
- Standards: BS EN 60598
- Manufactured to: BS4533
- Limited three year warranty*

Diffused Honeywell LED Utility Lighting Luminaire complies with the National Health Service recommendations for lighting of general areas. Resisting dust and insects, the Diffused Luminaire is rated to IP44. A removable gear tray wired to a plug and socket makes installation easy and reduces maintenance challenges. The diffuser is manufactured in flame-retardant Acrylic, and the 1.0mm bright steel casing is electrostatic powder coated.



Quick release gear tray cover



Quick release end caps

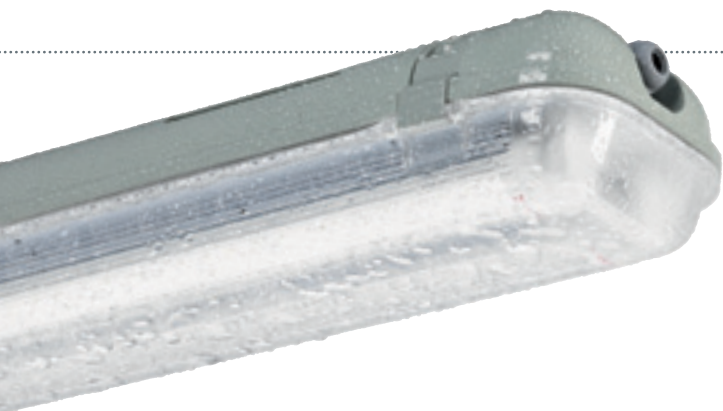


Resistant to dust and insects

CODE	DESCRIPTION	DIMENSIONS LxWxD (mm)
HL12DT18WCE	Honeywell LED Luminaire 1.2M Diffused Twin 18W	1245 x 180 x 70
HL12DTEM18WCE	Honeywell LED Luminaire 1.2M Diffused Twin Emergency 18W	1245 x 180 x 70
HL15DT23WCE	Honeywell LED Luminaire 1.5M Diffused Twin 23W	1545 x 180 x 70
HL15DTEM23WCE	Honeywell LED Luminaire 1.5M Diffused Twin Emergency 23W	1545 x 180 x 70

Luminaires and tubes should be ordered separately. For full technical and photometric data, see product data sheets available at www.mkelectric.co.uk.

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With a rating of IP65, the IP Rated Honeywell LED Utility Lighting Luminaire is totally protected against dust and low pressure jets of water from all directions.

FEATURES AND BENEFITS

- Lamp life up to 60,000 hours
- Rated to IP65
- Choice of fixing options
- Tool-free removable gear cover
- Luminaires supplied with drivers
- Total lumen output: 1793lm (based on HL12PT18WCE)
- Operating Temperature: -25°C to 45°C
- Standards: BS EN 60598
- Manufactured to: BS4533
- Limited three year warranty*

IP Rated

Honeywell LED Utility Lighting Luminaire

Designed for areas where protection from dust and water is essential, the IP Rated Honeywell LED Utility Lighting Luminaire is rated to IP65. This lighting is typically used in garages and car parks, commercial catering and food factory environments, and many other industrial areas. Manufactured in high-strength polycarbonate with a light grey finish, with a reeded polycarbonate standard diffuser.



Quick release captivated lens retaining clips



Stainless steel guide fit mounting clips supplied for direct fixing or chain hanging



Hinged lens cover



IP65 Cable Grommets supplied

CODE	DESCRIPTION	DIMENSIONS LxWxD (mm)
HL12PT18WCE	Honeywell LED Luminaire 1.2M IP65 Twin 18W	1270 x 140 x 90
HL12PT18WCE	Honeywell LED Luminaire 1.2M IP65 Twin Emergency 18W	1270 x 140 x 90
HL15PT23WCE	Honeywell LED Luminaire 1.5M IP65 Twin 23W	1570 x 140 x 90
HL15PT23WCE	Honeywell LED Luminaire 1.5M IP65 Twin Emergency 23W	1570 x 140 x 90

Luminaires and tubes should be ordered separately. For full technical and photometric data see product data sheets available at www.mkelectric.co.uk.

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LED Tubes

Saving energy is just one of the many benefits of Honeywell LED Tubes. They also cut replacement and maintenance costs through their long service life. Plus, the mercury-free design helps protect the environment and reduce disposal costs.



FEATURES AND BENEFITS

- Three colour temperatures
 - White: 4100K
 - Cool White: 5000K
 - Daylight: 6400K
- Luminous Flux: 57 lumens per watt
- 120 degree angle beam directs light where it is needed
- 18W and 23W power ratings
- Available in 1.2M (4ft) & 1.5M (5ft) lengths
- Lumens depreciation: 30% after 60,000 hours
- Limited three year warranty*

Note that Honeywell LED Tubes are not a direct replacement for fluorescent tubes, and an external driver is required.

CODE	DESCRIPTION
HL12TUBE18W4100CE	Honeywell LED Tube 1.2M 18W 4100K (without driver)
HL12TUBE18W5000CE	Honeywell LED Tube 1.2M 18W 5000K (without driver)
HL12TUBE18W6400CE	Honeywell LED Tube 1.2M 18W 6400K (without driver)
HL15TUBE23W4100CE	Honeywell LED Tube 1.5M 23W 4100K (without driver)
HL15TUBE23W5000CE	Honeywell LED Tube 1.5M 23W 5000K (without driver)
HL15TUBE23W6400CE	Honeywell LED Tube 1.5M 23W 6400K (without driver)

Drivers

All luminaires are supplied with drivers. To facilitate the retrofit of Honeywell LED Tubes in existing fluorescent fittings, Honeywell LED Drivers are available for ordering separately.

CODE	DESCRIPTION
HLDRIVER18W220VCE	Honeywell LED Driver 18W 220V
HLDRIVER23W220VCE	Honeywell LED Driver 23W 220V



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Honeywell

MK Electric

Tech Helpline Tel 01268 563720

Web www.mkelectric.co.uk

UK The Arnold Centre Paycocke Road Basildon Essex SS14 3EA United Kingdom

Customer Service Tel 01268 563000

Customer Service Fax 01268 563405

E-mail mktechnical@honeywell.com

Ireland Unit 55 Park West Industrial Park Nangor Road Dublin 12 Republic of Ireland

Customer Service Tel +353 (0)1429 6500

Customer Service Fax +353 (0)1429 6501

E-mail ireland.sales@honeywell.com
