

2024

Issue One



Hospitality Lighting Guide 2024

Manufacturers of quality lighting since 1920



British Electric Lamps Ltd
www.belllighting.co.uk



Hospitality Lighting

Benefits of BELL LED lighting

Over recent years, LED lighting has become more and more prevalent. As technology has improved, LED lamps and fittings have become more efficient, and with these improvements legislation has been introduced to move manufacturers towards LED lighting. With up to a 90% energy saving as a result of moving from Fluorescent Lamps and Fittings to LED equivalents, it's no secret that BELL Lighting offer an outstanding and environmentally conscious range of interior products.

With LMR80 and B10 credentials stated for many of our flagship fittings, our customers can expect a maximum 20% lumen depreciation over the stated lifetime hours of our products, and a maximum failure rate of 10% for installed products over the same period, we are an LED lighting supplier that you can trust.

Our catalogue covers all bases, from the Aqua 1 LED CCT Wattage Switchable Bulkhead which is ideal for corridor areas, store rooms, changing rooms and much more, to the Firestay Duo which is a High Output Downlight, perfect for any project requiring high intensity light, with 4 way colour changing options and 2 wattage switchable functionality straight out of the box.

How much can you save?

Switching from Fluorescent to LED lighting is a guaranteed way to save money and reduce emissions. Along with this, LED products require less maintenance post installation, and their energy cost is significantly lower than their outdated technology equivalents.

Cost savings are always installation and project dependent, and our Energy Saving Calculator tool which can be found on our website is an excellent starting point in determining the potential benefits of switching to LED. As an example of the level of savings on offer, a recent project for a full hotel refit resulted in a £64,000 annual saving, with almost 1,700 products replaced as part of the project. This amounted to a 50% saving on the previous costs, and ensured that the cost of installation was recouped in an extremely timely manner.

With exceptional warranties, lifetime hours, and long-term support on offer, our customers can be assured that switching to hospitality LED lighting is a sound decision which can provide a host of benefits, from immediate costs, maintenance, and lighting quality, to a reduction in the impact which lighting has on the environment.



Lighting Design, a dedicated team of specialist engineers ready to help

Our team of professional lighting designers and engineers have over 50 years of experience in the lighting industry. We know the importance of good lighting design and the benefits a lighting engineer will bring to a project. Our lighting design service ensures correct light levels are achieved in compliance with current regulations.

Our specialised knowledge of lighting and lighting control systems provides a smooth hassle free process, delivering beautiful energy saving lighting solutions on time and on budget.



Working within the UK and internationally, the lighting team have established a reputation for designing a broad range of exciting projects of all sizes, from single rooms through to partnerships with multi-disciplined design teams on large infrastructure projects.

We are a responsive and fast moving team who can manage the complete lighting design process from concept through to the tender & supply

For all internal, external & emergency projects contact:

lightingdesign@belllighting.co.uk



technical@belllighting.co.uk
sales@belllighting.co.uk



Case Study

Talbot Hotel, Malton

BELL 4W LED candles, a large proportion being from the Vintage range were supplied by AB Electrical, as part of a lighting solutions scheme for The Talbot Hotel, Malton, North Yorkshire.

An initial trial batch of lamps were supplied, these were so successful that the lamps were rolled out to all communal areas, 26 bedrooms, banqueting halls and business meeting rooms.

Talbot Hotel spokesperson said "We are delighted with the new lamps, in addition to the cost savings we now enjoy, the lamps fit perfectly with the existing fittings helping to create a friendly, welcoming ambience. With 20,000 hours life these lamps really are 'fit and forget' eliminating the need for frequent and time consuming lamp changes with the associated labour costs. Guests have commented on the new lamps, in particular the smooth dimming and the authentic vintage look".

- Over the life of the lamps the Talbot Hotel will save £39,204 in energy costs
- Energy Saving 90%
- Annual Savings: Energy 47,500kWh / CO₂ 26,700kg / Maintenance £1000





Case Study

Moor Park Golf Club

The Mansion is set amidst 300 acres of mature woodland, the magnificent building with its impressive grounds is an awe-inspiring venue for any occasion. BELL candles were chosen for this prestigious project for their A+ Energy rating, 30,000 hour life, consistent colour and smooth flawless dimming.

Josh Connolly, Facilities Manager said:

"Our previous incandescent lamps were inefficient and needed constant replacement, no small task on chandelier's suspended from a 20 foot ceiling in the Banqueting Hall. The new LED lamps are maintenance free, they are 'fit & forget', have clear, crisp light output to illuminate the hall from floor to ceiling. Members and guests have commented on the ceiling detail they hadn't been able to see with the previous incandescents.

These have been so successful we intend to replace all our lamps with BELL units, when the roll-out is complete the money and energy savings will be huge".

- Over the life of the lamps Moor Park will save £30,462 in energy costs • Energy Saving 93%
- Annual Savings: Energy 16,307kWh / CO₂ 9,132kg / Maintenance £1000







LED Filament Candle

The LED Filament Range combines LED technology with the elegance of Incandescent Lamps. Creating a welcoming atmosphere with a retro feel, our LED Filament Range offers smooth dimming on rotary and digital dimming systems. The Filament Candle is ideal for all chandeliers and wall lights.

- LED Technology with the elegance of Incandescent Lamps
- Ideal Replacement for Incandescent Lamps
- Creates a welcoming atmosphere with retro feel
- Up to 93% Energy Saving
- Argon gas filled to improve life
- High temperature capping cement
- Smooth dimming on rotary and digital dimming systems
- Full glass envelope



Warm White

Cool White

3.3W BC/ES Candle H 92mm Ø35mm

3.3W SBC/SES Candle H 96mm Ø35mm

1W Chandelier H 86mm Ø22mm

3.3W Bent Tip Candle H 115mm Ø35mm



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LED Filament Candle

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Non Dimmable						
60703	3.3W LED Filament Clear Candle Non Dim - BC	2700K	470	Non Dim	240	15000
60704	3.3W LED Filament Clear Candle Non Dim - SBC	2700K	470	Non Dim	240	15000
60705	3.3W LED Filament Clear Candle Non Dim - ES	2700K	470	Non Dim	240	15000
60706	3.3W LED Filament Clear Candle Non Dim - SES	2700K	470	Non Dim	240	15000
60707	3.3W LED Filament Satin Candle Non Dim - BC	2700K	470	Non Dim	240	15000
60708	3.3W LED Filament Satin Candle Non Dim - SBC	2700K	470	Non Dim	240	15000
60709	3.3W LED Filament Satin Candle Non Dim - ES	2700K	470	Non Dim	240	15000
60710	3.3W LED Filament Satin Candle Non Dim - SES	2700K	470	Non Dim	240	15000
60711	3.3W LED Filament Clear Candle Non Dim - BC	4000K	470	Non Dim	240	15000
60712	3.3W LED Filament Clear Candle Non Dim - SBC	4000K	470	Non Dim	240	15000
60713	3.3W LED Filament Clear Candle Non Dim - ES	4000K	470	Non Dim	240	15000
60714	3.3W LED Filament Clear Candle Non Dim - SES	4000K	470	Non Dim	240	15000
60715	3.3W LED Filament Bent Tip Clear Candle Non Dim - SES	2700K	470	Non Dim	240	15000
60716	3.3W LED Filament Bent Tip Satin Candle Non Dim - SES	2700K	470	Non Dim	240	15000
05028	1W LED Filament Chandelier - Clear Non Dim SES	2700K	100	Non Dim	240	15000
05029	1W LED Filament Chandelier - Clear Non Dim MES	2700K	100	Non Dim	240	15000

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LED Filament Candle

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Dimmable						
60717	3.3W LED Filament Clear Candle Dimmable - BC	2700K	470	Dim	240	15000
60718	3.3W LED Filament Clear Candle Dimmable - SBC	2700K	470	Dim	240	15000
60719	3.3W LED Filament Clear Candle Dimmable - ES	2700K	470	Dim	240	15000
60720	3.3W LED Filament Clear Candle Dimmable - SES	2700K	470	Dim	240	15000
60721	3.3W LED Filament Satin Candle Dimmable - BC	2700K	470	Dim	240	15000
60722	3.3W LED Filament Satin Candle Dimmable - SBC	2700K	470	Dim	240	15000
60723	3.3W LED Filament Satin Candle Dimmable - ES	2700K	470	Dim	240	15000
60724	3.3W LED Filament Satin Candle Dimmable - SES	2700K	470	Dim	240	15000
60725	3.3W LED Filament Clear Candle Dimmable - BC	4000K	470	Dim	240	15000
60726	3.3W LED Filament Clear Candle Dimmable - SBC	4000K	470	Dim	240	15000
60727	3.3W LED Filament Clear Candle Dimmable - ES	4000K	470	Dim	240	15000
60728	3.3W LED Filament Clear Candle Dimmable - SES	4000K	470	Dim	240	15000
60729	3.3W LED Filament Bent Tip Clear Candle Dimmable - SES	2700K	470	Dim	240	15000
60730	3.3W LED Filament Bent Tip Satin Candle Dimmable - SES	2700K	470	Dim	240	15000



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Dimming options are available, and our lamps are tested onsite against most UK dimmers.

Bedroom lighting can be provided in a variety of ways, but our lamps are a great option to set the scene with considered lighting at levels suitable for bedtime use. A minimum of 2 lights is generally seen as appropriate.

Our lamp products are a great option in bedroom environments when designing task lighting areas. They provide a welcoming, warm atmosphere.







LED Filament Round

The LED Filament Range combines LED technology with the elegance of Incandescent Lamps. Creating a welcoming atmosphere with a retro feel, our LED Filament Range offers smooth dimming on rotary and digital dimming systems. The Filament Round is ideal for all bedside decorative lighting along with all other similar applications.

- LED Technology with the elegance of Incandescent Lamps
- Ideal Replacement for Incandescent Lamps
- Creates a welcoming atmosphere with retro feel
- 92% Energy Saving
- Argon gas filled to improve life
- High temperature capping cement
- Smooth dimming on rotary and digital dimming systems
- Full glass envelope (exc SBC & SES)



Clear

Satin

Warm White

Cool White

H 75mm Ø45mm



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sales@belllighting.co.uk



LED Filament Round

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Non Dimmable						
60731	3.3W LED Filament Clear Round Non Dim - BC	2700K	470	Non Dim	240	15000
60732	3.3W LED Filament Clear Round Non Dim - ES	2700K	470	Non Dim	240	15000
60733	3.3W LED Filament Clear Round Non Dim - SES	2700K	470	Non Dim	240	15000
60734	3.3W LED Filament Satin Round Non Dim - BC	2700K	470	Non Dim	240	15000
60735	3.3W LED Filament Satin Round Non Dim - ES	2700K	470	Non Dim	240	15000
60736	3.3W LED Filament Satin Round Non Dim - SES	2700K	470	Non Dim	240	15000
60737	3.3W LED Filament Clear Round Non Dim - BC	4000K	470	Non Dim	240	15000
60738	3.3W LED Filament Clear Round Non Dim - ES	4000K	470	Non Dim	240	15000
60739	3.3W LED Filament Clear Round Non Dim - SES	4000K	470	Non Dim	240	15000
Dimmable						
60740	3.3W LED Filament Clear Round Dimmable - BC	2700K	470	Dim	240	15000
60741	3.3W LED Filament Clear Round Dimmable - ES	2700K	470	Dim	240	15000
60742	3.3W LED Filament Clear Round Dimmable - SES	2700K	470	Dim	240	15000
60743	3.3W LED Filament Satin Round Dimmable - BC	2700K	470	Dim	240	15000
60744	3.3W LED Filament Satin Round Dimmable - ES	2700K	470	Dim	240	15000
60745	3.3W LED Filament Satin Round Dimmable - SES	2700K	470	Dim	240	15000
60746	3.3W LED Filament Clear Round Dimmable - BC	4000K	470	Dim	240	15000
60747	3.3W LED Filament Clear Round Dimmable - ES	4000K	470	Dim	240	15000
60748	3.3W LED Filament Clear Round Dimmable - SES	4000K	470	Dim	240	15000

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LED Filament GLS

The LED Filament Range combines LED technology with the elegance of Incandescent Lamps. Creating a welcoming atmosphere with a retro feel, our LED Filament Range offers smooth dimming on rotary and digital dimming systems. The Filament GLS is an all rounder for decorative applications due to the wide range of wattages we offer.

- LED Technology with the elegance of Incandescent Lamps
- Ideal Replacement for Incandescent Lamps
- Creates a welcoming atmosphere with retro feel
- Up to 92% Energy Saving
- Argon gas filled to improve life
- High temperature capping cement
- Smooth dimming on rotary and digital dimming systems
- Full glass envelope



Clear

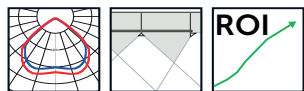
Satin

Warm White

Cool White

3.3/5.7W H 108mm Ø60mm

11W H 128mm Ø70mm



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LED Filament GLS

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Non Dimmable						
60749	3.3W LED Filament Clear GLS Non Dim - BC	2700K	470	Non Dim	240	15000
60750	3.3W LED Filament Clear GLS Non Dim - ES	2700K	470	Non Dim	240	15000
60751	5.7W LED Filament Clear GLS Non Dim - BC	2700K	810	Non Dim	240	15000
60752	5.7W LED Filament Clear GLS Non Dim - ES	2700K	810	Non Dim	240	15000
60753	3.3W LED Filament Satin GLS Non Dim - BC	2700K	470	Non Dim	240	15000
60754	3.3W LED Filament Satin GLS Non Dim - ES	2700K	470	Non Dim	240	15000
60755	5.7W LED Filament Satin GLS Non Dim - BC	2700K	810	Non Dim	240	15000
60756	5.7W LED Filament Satin GLS Non Dim - ES	2700K	810	Non Dim	240	15000
60757	3.3W LED Filament Clear GLS Non Dim - BC	4000K	470	Non Dim	240	15000
60758	3.3W LED Filament Clear GLS Non Dim - ES	4000K	470	Non Dim	240	15000
60759	5.7W LED Filament Clear GLS Non Dim - BC	4000K	810	Non Dim	240	15000
60760	5.7W LED Filament Clear GLS Non Dim - ES	4000K	810	Non Dim	240	15000
60823	11W LED Filament Clear GLS Non Dim - BC	2700K	1550	Non Dim	240	15000
60761	11W LED Filament Clear GLS Non Dim - ES	2700K	1550	Non Dim	240	15000
Dimmable						
60762	3.3W LED Filament Clear GLS Dimmable - BC	2700K	470	Dim	240	15000
60763	3.3W LED Filament Clear GLS Dimmable - ES	2700K	470	Dim	240	15000
60764	5.7W LED Filament Clear GLS Dimmable - BC	2700K	810	Dim	240	15000
60765	5.7W LED Filament Clear GLS Dimmable - ES	2700K	810	Dim	240	15000
60766	3.3W LED Filament Satin GLS Dimmable - BC	2700K	470	Dim	240	15000
60767	3.3W LED Filament Satin GLS Dimmable - ES	2700K	470	Dim	240	15000
60768	5.7W LED Filament Satin GLS Dimmable - BC	2700K	810	Dim	240	15000
60769	5.7W LED Filament Satin GLS Dimmable - ES	2700K	810	Dim	240	15000
60770	3.3W LED Filament Clear GLS Dimmable - BC	4000K	470	Dim	240	15000
60771	3.3W LED Filament Clear GLS Dimmable - ES	4000K	470	Dim	240	15000
60772	5.7W LED Filament Clear GLS Dimmable - BC	4000K	810	Dim	240	15000
60773	5.7W LED Filament Clear GLS Dimmable - ES	4000K	810	Dim	240	15000
60824	11W LED Filament Clear GLS Dimmable - BC	2700K	1550	Dim	240	15000
60774	11W LED Filament Clear GLS Dimmable - ES	2700K	1550	Dim	240	15000



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BELL 2709K 470lm
240V 50Hz E27
AL 568720





LED Filament Squirrel Cage

The LED Filament Range combines LED technology with the elegance of Incandescent Lamps. Creating a welcoming atmosphere with a retro feel, our LED Filament Range offers smooth dimming on rotary and digital dimming systems. The Filament Squirrel Cage has a contemporary timeless design ideal for bars & restaurants.

- LED Technology with the elegance of Incandescent Lamps
- Ideal Replacement for Incandescent Lamps
- Creates a welcoming atmosphere with retro feel
- 92% Energy Saving
- Argon gas filled to improve life
- High temperature capping cement
- Smooth dimming on rotary and digital dimming systems
- Full glass envelope



Clear

H 126mm Ø58mm

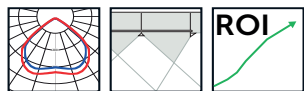
Code	Lamp Type	CCT	Lm	Dim	V	Hours
Non Dimmable						
60775	3.3W LED Filament Squirrel Cage Non Dim - BC	2700K	470	Non Dim	240	15000
60776	3.3W LED Filament Squirrel Cage Non Dim - ES	2700K	470	Non Dim	240	15000
Dimmable						
60777	3.3W LED Filament Squirrel Cage Dimmable - BC	2700K	470	Dim	240	15000
60778	3.3W LED Filament Squirrel Cage Dimmable - ES	2700K	470	Dim	240	15000

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LED Filament Tubular

The LED Filament Range combines LED technology with the elegance of Incandescent Lamps. Creating a welcoming atmosphere with a retro feel, our LED Filament Range offers smooth dimming on rotary and digital dimming systems. The Tubular Filaments provide a distinctive look when illuminated in any bar or restaurant.

- LED Technology with the elegance of Incandescent Lamps
- Creates a welcoming atmosphere with retro feel
- Argon gas filled to improve life



Clear

Warm White

Short H 110mm Ø45mm

Medium H 130mm Ø30mm

Long H 280mm Ø30mm

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Non Dimmable						
60779	3.3W LED Filament Tubular Short Non Dim - BC	2700K	470	Non Dim	240	15000
60780	3.3W LED Filament Tubular Short Non Dim - ES	2700K	470	Non Dim	240	15000
60781	3.3W LED Filament Tubular Med Non Dim - ES	2700K	470	Non Dim	240	15000
60782	5.7W LED Filament Tubular Long Non Dim - ES	2700K	810	Non Dim	240	15000
Dimmable						
60783	3.3W LED Filament Tubular Short Dimmable - BC	2700K	470	Dim	240	15000
60784	3.3W LED Filament Tubular Short Dimmable - ES	2700K	470	Dim	240	15000
60785	3.3W LED Filament Tubular Med Dimmable - ES	2700K	470	Dim	240	15000
60786	5.7W LED Filament Tubular Long Dimmable - ES	2700K	810	Dim	240	15000

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LED Filament Clear Globe

The LED Filament Range combines LED technology with the elegance of Incandescent Lamps. Creating a welcoming atmosphere with a retro feel, our LED Filament Range offers smooth dimming on rotary and digital dimming systems. The Filament Globes are available in two sizes and are an ideal lamp to illuminate any home, hotel, bar or restaurant.

- LED Technology with the elegance of Incandescent Lamps
- Creates a welcoming atmosphere with retro feel
- Argon gas filled to improve life



Clear

Warm White

60787/88/89/90 H 115mm Ø80mm

60791/92/93/94 H 178mm Ø125mm

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Non Dimmable						
60787	3.3W LED Filament Globe Non Dim - BC	2700K	470	Non Dim	240	15000
60788	3.3W LED Filament Globe Non Dim - ES	2700K	470	Non Dim	240	15000
60791	3.3W LED Filament Large Globe Non Dim - BC	2700K	470	Non Dim	240	15000
60792	3.3W LED Filament Large Globe Non Dim - ES	2700K	470	Non Dim	240	15000
Dimmable						
60789	3.3W LED Filament Globe Dimmable - BC	2700K	470	Dim	240	15000
60790	3.3W LED Filament Globe Dimmable - ES	2700K	470	Dim	240	15000
60793	3.3W LED Filament Large Globe Dimmable - BC	2700K	470	Dim	240	15000
60794	3.3W LED Filament Large Globe Dimmable - ES	2700K	470	Dim	240	15000

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Aztex High CRI LED Soft Coil Candle/ GLS/Squirrel Cage

High Colour Rendering Index (CRI) lamps provide clean, crisp lighting, ideal for the retail & hospitality environments. A high CRI lamp ensures that brightly coloured products are displayed to their full potential. Lamps with poor CRI will distort some colours which may mean you end up with a green sock when you wanted brown.

Widely used in the hospitality sector and domestically alike, the LED Vintage Lamp combines a traditional look with the energy saving benefits of LED Lighting. The universally used lamps provides a warm white glow ideal when creating mood lighting.

- Special extended filament to replicate traditional vintage amber glow
- Amber Glass Coating for decorative vintage look
- Over 90% energy saving compared to incandescent vintage lamps
- Super low energy consumption



Ultra Warm White

Candle H 95mm Ø35mm

GLS H 115mm Ø60mm

Squirrel Cage H 140mm Ø64mm

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Dimmable						
60027	4W LED Vintage Soft Coil Vertical Filament Candle - SES, Dimmable, Amber	1800K	150	Dim	240	15000
60015	4W LED Vintage Soft Coil Vertical Filament GLS - ES, Dimmable, Amber	1800K	150	Dim	240	15000
60016	4W LED Vintage Soft Coil Vertical Filament GLS - BC, Dimmable, Amber	1800K	150	Dim	240	15000
60017	4W LED Vintage Soft Coil Vertical Filament Squirrel Cage - ES, Dimmable, Amber	1800K	150	Dim	240	15000
60018	4W LED Vintage Soft Coil Vertical Filament Squirrel Cage - BC, Dimmable, Amber	1800K	150	Dim	240	15000

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Aztex High CRI LED Soft Coil Pear Drop/ Large Globe

The Soft Coil Pear Drop and Large Globes are perfect for those wanting to make a statement. With each of the oversized coils giving off an ultra-warm white glow, the large Pear Drops & Globes can be used to give any large space an intimate, welcoming feel.

High Colour Rendering Index (CRI) lamps provide clean, crisp lighting, ideal for the retail & hospitality environments. A high CRI lamp ensures that brightly coloured products are displayed to their full potential. Lamps with poor CRI will distort some colours which may mean you end up with a green sock when you wanted brown.

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- Super low energy consumption



Ultra Warm White

Pear Drop H 295mm Ø165mm

Globe H 135mm Ø95mm

Large Globe H 175mm Ø125mm

Giant Globe H 266 Ø200mm

Code	Lamp Type	CCT	Lm	Dim	V	Hours
Dimmable						
60025	4W LED Vintage Soft Coil Vertical Filament Giant Pear Drop Dimmable - ES, Amber	1800K	150	Dim	240	15000
60019	4W LED Vintage Soft Coil Vertical Filament Globe Dimmable - ES, Amber	1800K	150	Dim	240	15000
60021	4W LED Vintage Soft Coil Vertical Filament Large Globe Dimmable - ES, Amber	1800K	150	Dim	240	15000
60023	4W LED Vintage Soft Coil Vertical Filament Giant Globe Dimmable - ES, Amber	1800K	150	Dim	240	15000

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LED Halo Glass GU10

The Halo Glass combines the retro feel of halogen lamps with the efficiency of LED technology. The high-grade driver within the Halo Glass allows for smooth dimming at minimum and maximum load levels. The precision moulded polycarbonate lens ensures precise beam angle light distribution.

- True fit GU10 size
- Dimmable & Non Dim available
- Suitable for fire rated and IP rated fixtures
- 38° beam angle
- High grade driver designed for smooth dimming at min & max load levels, operating effectively with rotary and digital dimming system (dimmable version)



Warm White

Cool White

Daylight

H 53mm Ø50mm

Code	Lamp Type	CCT	Lm	Cd	Dim	V	Hours
Non Dimmable							
05967	5W LED Halo Glass GU10	2700K	350	510	Non Dim	240	20000
05973	5W LED Halo Glass GU10	3000K	350	510	Non Dim	240	20000
05968	5W LED Halo Glass GU10	4000K	350	510	Non Dim	240	20000
05969	5W LED Halo Glass GU10	6500K	350	510	Non Dim	240	20000
Dimmable							
05970	5W LED Halo Glass GU10 Dimmable	2700K	350	510	Dim	240	20000
05974	5W LED Halo Glass GU10 Dimmable	3000K	350	510	Dim	240	20000
05971	5W LED Halo Glass GU10 Dimmable	4000K	350	510	Dim	240	20000
05972	5W LED Halo Glass GU10 Dimmable	6500K	350	510	Dim	240	20000



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- Suitable for fire rated and IP rated fixtures
- 38° beam angle
- High grade driver designed for smooth dimming at min & max load levels, operating effectively with rotary and digital dimming system (dimmable version)



Warm White

Cool White

Daylight

H 53mm Ø50mm

Code	Lamp Type	CCT	Lm	Cd	Dim	V	Hours
Non Dimmable							
05960	6W LED Halo Elite Glass Non Dim GU10 - 38°	2700K	520	800	Non Dim	240	25000
05961	6W LED Halo Elite Glass Non Dim GU10 - 38°	4000K	520	800	Non Dim	240	25000
05962	6W LED Halo Elite Glass Non Dim GU10 - 38°	6500K	520	800	Non Dim	240	25000
Dimmable							
05963	6W LED Halo Elite Glass GU10 Dimmable - 38°	2700K	520	800	Dim	240	25000
05964	6W LED Halo Elite Glass GU10 Dimmable - 38°	4000K	520	800	Dim	240	25000
05965	6W LED Halo Elite Glass GU10 Dimmable - 38°	6500K	520	800	Dim	240	25000



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LED Dim to Warm GU10

With this BELL Dim to Warm GU10 lamp you can now access 2700K–2200K CCT. With a warm glow dimming effect, light levels dim to warm tones of traditional lamps.

When you reduce the brightness using a dimmer switch, you will see a drop in the colour temperature from 2700K down to a soothing, warm 2200K. Perfect for a more relaxing atmosphere in residential buildings, hotels, restaurants and bars.

Traditional halogen look with the energy saving benefits of LED

- True fit GU10 size
- Emits a warmer light when dimmed
- Creates cosy ambience when dimmed
- Replicates dimming of halogen lamps
- Colour temperature range 2200K-2700K
- 92% Energy Saving
- Part L



Warm White

H 56mm Ø50mm

Code	Lamp Type	CCT	Lm	Cd	Dim	V	Hours
Dimmable							
05966	6W LED Halo GU10 Dim to Warm - 38°	2200-2700K	450	800	Dim	240	25000



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IC Rated up to 350mm insulation
Bezels sold separately

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Integrated LED Centre Tilt Downlight

The Firestay Duo LED CCT is a High Output Downlight ideal for high ceilings or any project requiring high intensity light, 4 way colour and 2 wattages switchable straight out of the box.

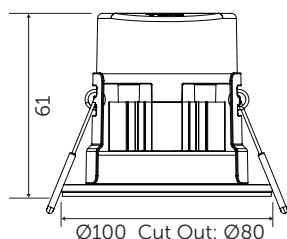
With a 7 year product warranty, the front facing switch enables the user to seamlessly change the colour temperature (2700/3000/4000/6000K) to suit the mood of any space while the rear facing wattage switch enable you to instantly dictate the light level of any commercial or residential premises.

- Firestay Certification: 30, 60 and 90 minute solid joist ceilings, 30 minute I-Joist & Metal Web ceiling systems
- IP65
- Front CCT switch
- 8 in 1 Fixture: 4 colour temperatures, 2 wattages
- White Satin, Chrome, Brass, Antique Brass & Matt Black bezels available
- Part B / C / E compliant
- Tool-Free termination
- 60° Beam Angle



LMR80: Maximum 20% of lumen depreciation over rated hours.

B10: Maximum 10% of fittings failure rate over rated hours



Wattage Selected	Colour Temp (K) Selected	Lumens (lm)	Candelas (cd)
6W	2700	550	495
	3000	575	515
	4000	635	565
	6000	620	565
4W	2700	415	375
	3000	425	385
	4000	465	415
	6000	460	420

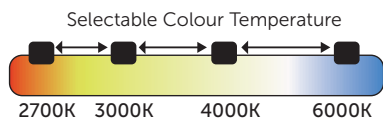


Firestay Duo

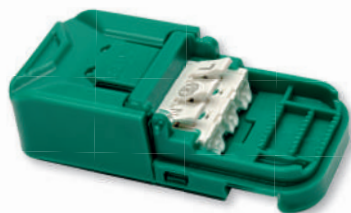
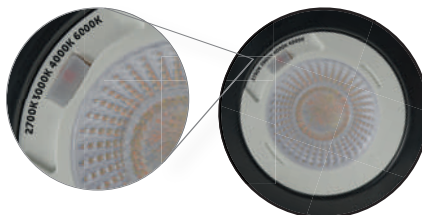
CCT 4 COLOUR / 2 WATTAGE SWITCHABLE

Integrated LED Centre Tilt Downlight

The Firestay Duo LED has an easily accessible colour selectable switch located under the bezel on the front of the downlights. Simply move the switch to select your colour temperature option.



Simply move the switch located under the bezel to your desired colour temperature



Tool-Free Termination



Slide the switch on the rear of the downlight to the wattage you require

Technical Specification	
Construction	Die-Cast Aluminium
Driver	BELL
LED Chip	Epistar
IP Rating	IP65
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio

Code	Description	Colour Temperature	Lm	Cd	Beam°	Hrs
11380	4/6W Firestay Duo LED CCT Switchable Wattage, Centre Tilt Downlight, CCT, P&P, 60° Beam Angle. Tool Free Termination	2.7/3/4/6000	415-635	415-565	60°	50000
11381	Matt White Bezel for above	-	-	-	-	-
11382	Satin Bezel for above	-	-	-	-	-
11383	Chrome Bezel for above	-	-	-	-	-
11384	Brass Bezel for above	-	-	-	-	-
11385	Antique Brass Bezel for above	-	-	-	-	-
11386	Matt Black Bezel for above	-	-	-	-	-
08196	Emergency Pack for above	-	-	-	-	-

¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio

² Exceeds EU standard of RA 80 for Colour Rendering Index

³ Subject to terms & conditions (Contact Customer Service)



IC Rated up to 350mm insulation
Bezels sold separately

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Integrated LED Fixed Downlight

The Firestay Duo LED CCT is a High Output Downlight ideal for high ceilings or any project requiring high intensity light, 4 way colour and 2 wattages switchable straight out of the box.

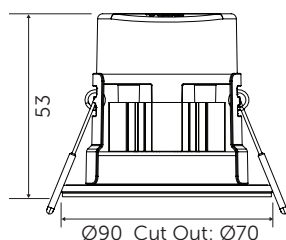
With a 7 year product warranty, the front facing switch enables the user to seamlessly change the colour temperature (2700/3000/4000/6000K) to suit the mood of any space while the rear facing wattage switch enable you to instantly dictate the light level of any commercial or residential premises.

- Firestay Certification: 30, 60 and 90 minute solid joist ceilings, 30 minute I-Joist & Metal Web ceiling systems
- IP65
- Front CCT switch
- 8 in 1 Fixture: 4 colour temperatures, 2 wattages
- White, Satin, Chrome, Brass, Antique Brass & Matt Black bezels available
- Part B / C / E compliant
- Tool-Free termination
- 60° Beam Angle
- Spacer plate options available



LMR80: Maximum 20% of lumen depreciation over rated hours.

B10: Maximum 10% of fittings failure rate over rated hours



Wattage Selected	Colour Temp (K) Selected	Lumens (lm)	Candelas (cd)
6W	2700	550	495
	3000	575	515
	4000	635	565
	6000	620	565
4W	2700	415	375
	3000	425	385
	4000	465	415
	6000	460	420



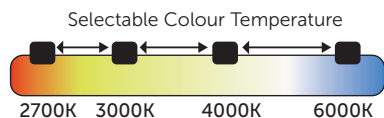
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Firestay Duo

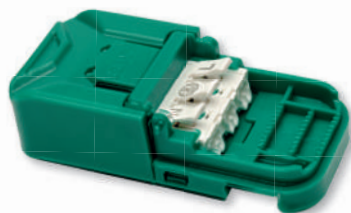
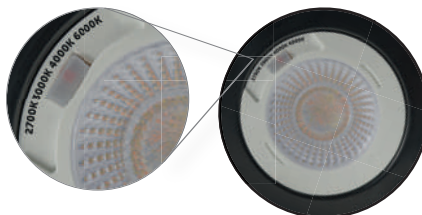
CCT 4 COLOUR / 2 WATTAGE SWITCHABLE

Integrated LED Fixed Downlight

The Firestay Duo LED has an easily accessible colour selectable switch located under the bezel on the front of the downlights. Simply move the switch to select your colour temperature option.



Simply move the switch located under the bezel to your desired colour temperature



Tool-Free Termination



Slide the switch on the rear of the downlight to the wattage you require

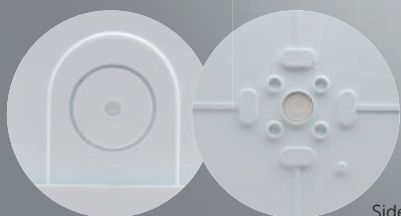
Technical Specification	
Construction	Die-Cast Aluminium
Driver	BELL
LED Chip	Epistar
IP Rating	IP65
Operating Temp	-5°C to +35°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio

Code	Description	Colour Temperature	Lm	Cd	Beam°	Hrs
11370	4/6W Firestay Duo LED CCT Switchable Wattage Fixed Downlight, CCT, P&P, 60° Beam Angle. Tool Free Termination	2.7/3/4/6000	415-635	415-565	60°	50000
11377	4/6W Firestay Duo LED CCT Switchable Wattage Fixed Downlight, CCT, P&P, 60° Beam Angle. Tool Free Termination. Contractor Pack (x10). Includes Matt White Bezels.	2.7/3/4/6000	415-635	415-565	60°	50000
11371	Matt White Bezel for above	-	-	-	-	-
11372	Satin Bezel for above	-	-	-	-	-
11373	Chrome Bezel for above	-	-	-	-	-
11374	Brass Bezel for above	-	-	-	-	-
11375	Antique Brass Bezel for above	-	-	-	-	-
11376	Matt Black Bezel for above	-	-	-	-	-
08196	Emergency Pack for above	-	-	-	-	-

¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio

² Exceeds EU standard of RA 80 for Colour Rendering Index

³ Subject to terms & conditions (Contact Customer Service)



Side, Rear & BESA Box cable entry



LED CCT Wattage Switchable Bulkhead

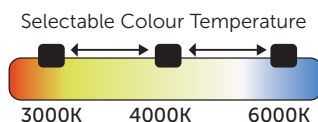
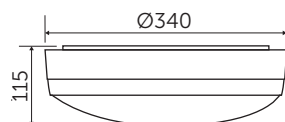
This cost-effective, colour switchable bulkhead is an ideal replacement for 16w, 28w and 38w fluorescent fittings. With the benefits of a high transmission frosted diffuser, rear, side & BESA Box cable entry and is IP65 as standard.

- CCT Cool White / Warm White / Daylight (3/4/6000K)
- The smart replacement for 16w, 28w and 38w fluorescent
- Tri level control now included on corridor dim versions
- Microwave and corridor dimming function option
- Supplied with White Bezel or Black Bezel
- White and Black Eyelids available
- High transmission frosted diffuser
- No lamp replacement
- No maintenance
- 50000 hour life
- IP65 Sealed fitting
- 8M detection range on corridor dim option (2.6m mounting height)
- Rear, Side & BESA Box cable entry
- Supplied with tamper-proof screws

Wattage Selected	Colour Temp (K) Selected	Lumens (lm)
9W	3000	870
	4000	930
	6000	930
14W	3000	1250
	4000	1400
	6000	1350
18W	3000	1490
	4000	1700
	6000	1620



LMR80: Maximum 20% of lumen depreciation over rated hours.
B10: Maximum 10% of fittings failure rate over rated hours



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LED CCT Wattage Switchable Bulkhead

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Technical Specification	
Construction	Polycarbonate body and lens
Driver	BELL
LED Chip	Samsung
IP Rating	IP65
Operating Temp	-20°C to +40°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio

Code	W	Description	Lm	Temp	Hours
11600	9/14/18	AQUA1 CCT Wattage Switchable Standard White Bezel	870-1700	3/4/6000K	50000
11601	9/14/18	AQUA1 CCT Wattage Switchable Emergency White Bezel	870-1700	3/4/6000K	50000
11602	9/14/18	AQUA1 CCT Wattage Switchable M/Wave Sen on/off White Bezel	870-1700	3/4/6000K	50000
11603	9/14/18	AQUA1 CCT Wattage Switchable Emergency M/Wave Sen on/off White Bezel	870-1700	3/4/6000K	50000
11604	9/14/18	AQUA1 CCT Wattage Switchable M/Wave Sen Cor/Dim White Bezel	870-1700	3/4/6000K	50000
11605	9/14/18	AQUA1 CCT Wattage Switchable Emergency M/Wave Sen Cor/Dim White Bezel	870-1700	3/4/6000K	50000
11590	9/14/18	AQUA1 CCT Wattage Switchable Standard Black Bezel	870-1700	3/4/6000K	50000
11591	9/14/18	AQUA1 CCT Wattage Switchable Emergency Black Bezel	870-1700	3/4/6000K	50000
11592	9/14/18	AQUA1 CCT Wattage Switchable M/Wave Sen on/off Black Bezel	870-1700	3/4/6000K	50000
11593	9/14/18	AQUA1 CCT Wattage Switchable Emergency M/Wave Sen on/off Black Bezel	870-1700	3/4/6000K	50000
11594	9/14/18	AQUA1 CCT Wattage Switchable M/Wave Sen Cor/Dim Black Bezel	870-1700	3/4/6000K	50000
11595	9/14/18	AQUA1 CCT Wattage Switchable Emergency M/Wave Sen Cor/Dim Black Bezel	870-1700	3/4/6000K	50000
11256	-	Black Bezel for above	-	-	-
11257	-	White Eyelid for above	-	-	-
11258	-	Black Eyelid for above	-	-	-

Microwave Max Operating Height 3.2m

Emergency versions must be tested in line with the requirements of BS5266, failure to do so may effect battery life and warranty



With sufficient natural light, the fitting does not switch on when presence is detected.



With insufficient natural light, the sensor switches on automatically when someone enters the room.



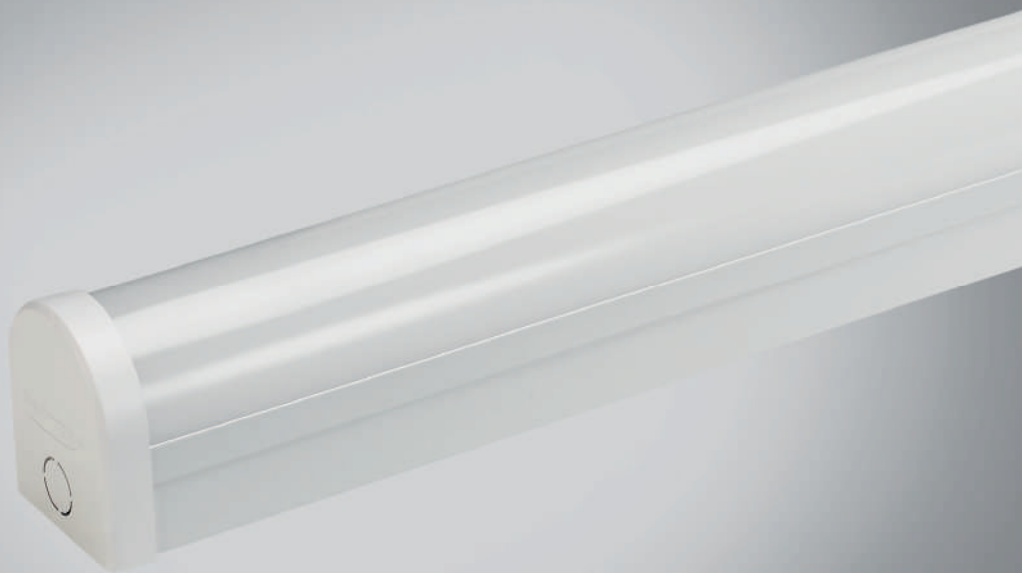
When the room is empty, light dims to stand-by level (10% / 20% / 30%) after the hold-time.



Light switched off automatically after the stand-by period has elapsed.

Tri-Level Control (Corridor Function)

Offers 3 levels of light: 100%-dimmed light (10%, 20%, 30%)-off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; selectable daylight threshold and choice of detection area.





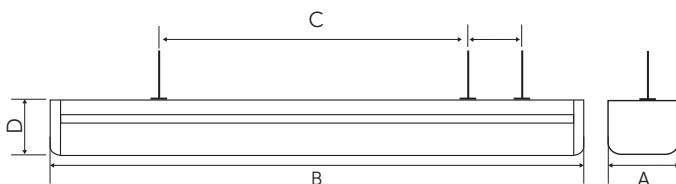
LED CCT Integrated Batten

The Ultra LED CCT is a versatile general-purpose batten. The Ultra CCT has the reliable features of the standard Ultra battens combined with the additional benefits of selectable colour temperature and wattage. Plug in emergency packs, Microwave and PIR on/off sensors create a very stock friendly solution for wholesalers and contractors alike.

- The ideal replacement for Single/Twin Fluorescent T8 and T5 Fixtures
- Special high light transmission frosted polycarbonate diffuser
- Tool-free termination
- Shatterproof
- Plug in accessories
- Stock friendly product



LMR80: Maximum 20% of lumen depreciation over rated hours.
B10: Maximum 10% of fittings failure rate over rated hours



Model	A	B	C (From Centre)	D
20/40W	69mm	1230mm	290mm / 170mm / 320mm	82mm
30/60W	69mm	1530mm	290mm / 170mm / 320mm	82mm
40/80W	69mm	1795mm	415mm / 170mm / 320mm	82mm

W	Colour Temp (K) Selected	Lm
20	3000	2850
	4000	2950
	6000	2960
40	3000	5000
	4000	5400
	6000	5200
30	3000	4100
	4000	4400
	6000	4450
60	3000	7000
	4000	7700
	6000	7550
40	3000	5350
	4000	5650
	6000	5650
80	3000	9850
	4000	10850
	6000	10400



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LED CCT Integrated Batten

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Technical Specification	
Construction	Steel Body, Polycarbonate lens
Driver	BELL
LED Chip	Samsung
IP Rating	IP20
Operating Temp	-30°C to +35°C / Emergency version minimum temperature -5°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio
L1A / L1B / L2A / L2B Compliant	Yes

¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio

² Exceeds EU standard of RA 80 for Colour Rendering Index

³ Subject to terms & conditions (Contact Customer Service)



LED CCT Integrated Batten

Code	W	Description	Lm	Temp	Hours
10278	20/40	Ultra LED Integrated Batten - CCT, 1200mm (4ft)	2850-5400	3/4/6000K	50000
10279	30/60	Ultra LED Integrated Batten - CCT, 1500mm (5ft)	4100-7700	3/4/6000K	50000
10280	40/80	Ultra LED Integrated Batten - CCT, 1800mm (6ft)	5350-10850	3/4/6000K	50000
10281	-	Plug in Emergency Pack for CCT Battens	-	-	-
10282	-	Plug in Sensor On/Off for CCT Battens	-	-	-
10293	-	Plug in PIR for CCT Battens	-	-	-
10294	-	Remote Control for CCT Battens (PIR only)	-	-	-

PIR Max Operating Height 3.2m

Emergency versions must be tested in line with the requirements of BS5266, failure to do so may effect battery life and warranty





LED Integrated Anti Corrosive Batten

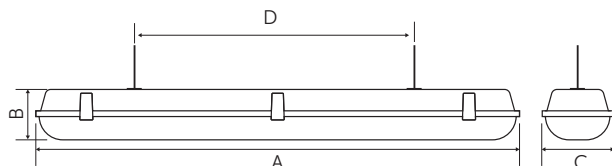
The Dura LED Anti Corrosive Batten is one of BELL's flagship Luminaires. This fully enclosed luminaire comes with stainless steel diffuser clips, ideal for exterior lighting projects that are open to the elements.

- The ideal replacement for Single/Twin Fluorescent T8 and T5 Fixtures
- Injection moulded polycarbonate body - suitable for food environments
- Special high light transmission frosted polycarbonate diffuser for smooth uniform lighting
- Stainless steel clips & suspension brackets
- Tool-free termination
- Shatterproof
- Up to 140 Lm/W
- PIR versions available on request



LMR80: Maximum 20% of lumen depreciation over rated hours.

B10: Maximum 10% of fittings failure rate over rated hours



	A	B	C	D
10W 2' Batten	654mm	90mm	90mm	390-430mm
20W 2' Batten	654mm	90mm	125mm	390-430mm
20W 4' Batten	1263mm	90mm	90mm	900-955mm
40W 4' Batten	1263mm	90mm	125mm	900-955mm
25W 5' Batten	1530mm	90mm	90mm	1000-1055mm
52W 5' Batten	1530mm	90mm	125mm	1000-1055mm
28W 6' Batten	1828mm	90mm	90mm	1000-1055mm
60W 6' Batten	1828mm	90mm	125mm	1000-1055mm



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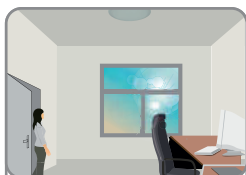


LED Integrated Anti Corrosive Batten

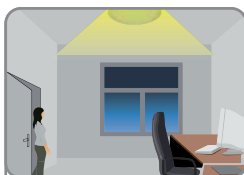
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Technical Specification

Construction	Polycarbonate Body & lens
Driver	BELL
LED Chip	Samsung
IP Rating	IP65
Operating Temp	-30°C to +35°C / Emergency version minimum temperature -5°C
Input Voltage	220 - 240V
Power Factor	> 0.9
CRI	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
LMR	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio
L1A / L1B / L2A / L2B Compliant	Yes



With sufficient natural light, the fitting does not switch on when presence is detected.



With insufficient natural light, the sensor switches on automatically when someone enters the room.

Tri-Level Control (Corridor Function)

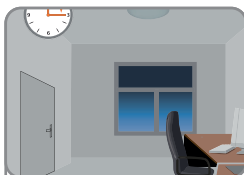


Optional infra-red remote control available for microwave sensor versions.

Quick and easy adjustment for multiple fittings; dimming level, presence detection, light levels & automatic on-off time. Average 4M range



When the room is empty, light dims to stand-by level (10% / 20% / 30%) after the hold-time.



Light switched off automatically after the stand-by period has elapsed.

Offers 3 levels of light: 100%-dimmed light (10%, 20%, 30%)-off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; selectable daylight threshold and choice of detection area.

¹ Exceeds EU standard of 70 for Lumens Maintenance Ratio

² Exceeds EU standard of RA 80 for Colour Rendering Index

³ Subject to terms & conditions (Contact Customer Service)



LED Integrated Anti Corrosive Batten

Code	W	Description	Lm	Temp	Hours
10257	10	Dura Anti Corrosive Batten - Single 600mm (2ft)	1260	4000K	50000
10256	20	Dura Anti Corrosive Batten - Double 600mm (2ft)	2420	4000K	50000
10255	20	Dura Anti Corrosive Batten - Double Emergency 600mm (2ft)	2420	4000K	50000
06722	20	Dura Anti Corrosive Batten - Single 1200mm (4ft)	2700	4000K	50000
06723	20	Dura Anti Corrosive Batten - Single Emergency 1200mm (4ft)	2700	4000K	50000
06728	40	Dura Anti Corrosive Batten - Double 1200mm (4ft)	5550	4000K	50000
06729	40	Dura Anti Corrosive Batten - Double Emergency 1200mm (4ft)	5550	4000K	50000
06710	25	Dura Anti Corrosive Batten - Single 1500mm (5ft)	3430	4000K	50000
06711	25	Dura Anti Corrosive Batten - Single Emergency 1500mm (5ft)	3430	4000K	50000
06712	25	Dura Anti Corrosive Batten - Single with Microwave Sensor + Corridor Dim Function 1500mm (5ft)	3430	4000K	50000
06713	25	Dura Anti Corrosive Batten - Single Emergency with Microwave Sensor + Corridor Dim Function 1500mm (5ft)	3430	4000K	50000
06714	25	Dura Anti Corrosive Batten - Single with Microwave Sensor 1500mm (5ft)	3430	4000K	50000
06715	25	Dura Anti Corrosive Batten - Single Emergency with Microwave Sensor 1500mm (5ft)	3430	4000K	50000
06716	52	Dura Anti Corrosive Batten - Double 1500mm (5ft)	6850	4000K	50000
06717	52	Dura Anti Corrosive Batten - Double Emergency 1500mm (5ft)	6850	4000K	50000
06718	52	Dura Anti Corrosive Batten - Double with Microwave Sensor + Corridor Dim Function 1500mm (5ft)	6850	4000K	50000
06719	52	Dura Anti Corrosive Batten - Double Emergency / Microwave Sensor + Corridor Dim Function 1500mm (5ft)	6850	4000K	50000
06720	52	Dura Anti Corrosive Batten - Double with Microwave Sensor 1500mm (5ft)	6850	4000K	50000
06721	52	Dura Anti Corrosive Batten - Emergency with Microwave Sensor 1500mm (5ft)	6850	4000K	50000
06760	28	Dura Anti Corrosive Batten - Single 1800mm (6ft)	4050	4000K	50000
06761	28	Dura Anti Corrosive Batten - Single Emergency 1800mm (6ft)	4050	4000K	50000
06766	60	Dura Anti Corrosive Batten - Double 1800mm (6ft)	7790	4000K	50000
06767	60	Dura Anti Corrosive Batten - Double Emergency 1800mm (6ft)	7790	4000K	50000
06772	-	Remote Control for above sensor versions (corridor dim only)	-	-	-
08679	-	Batten Mount PIR	-	-	-
08673	-	Remote Control for above Batten Mount PIR on/off	-	-	-

Microwave Max Operating Height 3.2m

Emergency versions must be tested in line with the requirements of BS5266, failure to do so may effect battery life and warranty



Our products are suitable for a temperature range of -30°C to $+35^{\circ}\text{C}$, meaning they are a durable option for kitchen spaces.

Use of an IP66 product ensures that the light fittings are protected against ingress, meaning that natural moisture from a food preparation environment will not have a detrimental impact on the lighting in place.

Injection moulded polycarbonate body construction, making the product perfect for food environments.



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CRI Colour Rendering Index

80 CRI is commonly used in most LED Filament Lamps. It is an acceptable level of colour quality, where most obvious colours stand out and appear good enough for daily tasks. However, this will not pick up the full colour spectrum, especially in the red zone. An example of this would be skin tones, wood, furniture, flooring, food and decor.

90 CRI is only used in specially manufactured LED filament lamps. With this render the actual colours can be seen correctly in most objects including; fresh produce, meat, wood, furniture and skin tones.

In a hospitality environment guests may well have a slightly lower impression of the visual aesthetics of food and decor, even at a subconscious level at CRI 80. CRI 90 should be used in all high end hospitality venues.



Kelvin Colour Temperature

2700K colour temperature is typically used in LED filament lamps, emitting a warm white glow which is common in most light sources. This colour temperature is used by hospitality but may fail to deliver an Ultra Warm White relaxed environment that guests expect.

2200K colour temperature is a specialised production process in filament lamps that gives an Ultra Warm White glow with a unique colour spectrum. This creates a very pleasing ambience and enhances the decor in a hospitality environment, while creating a relaxed, comfortable atmosphere.

1000K 2000K 3000K 4000K 5000K 6000K 7000K 8000K 9000K 10000K





Dimming Control

The majority of filament lamps are produced with standard IC chips without any consistency in production or specialisation. When used with either Rotary or digital dimming systems a significant number of problems occur. The main ones are as follows:

Dead travel - lamps do not respond to adjustments at the various levels of the dimming cycle

Ghosting - lamps dimmed to off but continue to glow

Flickering - lamps have a sharp pulse or flicker at regular intervals

Strobing - lamps pulse heavily getting darker and brighter at a constant level

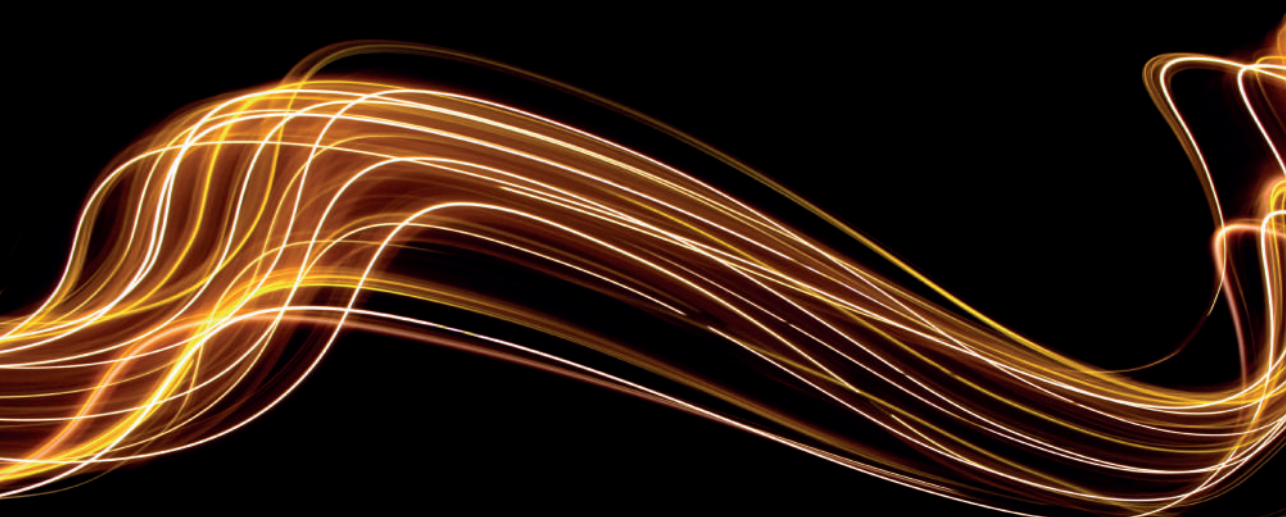


Circadian Rhythms

Circadian lighting is the concept that lighting can be used to support human health by minimising the effect of electric light on our circadian rhythms. This is achieved through systems and features like color temperature that augment lighting technology to better match our body's natural daytime and night time signals.

Light plays a central role in regulating circadian rhythm, the body's internal clock that signals when to be alert and when to rest. Light also affects the production of melatonin, an essential sleep-promoting hormone.

Daily light exposure, including the type of light we see as well as when and how long we're exposed to it, has a critical effect on sleep. Learning about the complex links between light and sleep allows you to set up your hotel rooms to be more conducive to consistent, high-quality sleep.



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