

Better lighting for better learning



A SMARTER USE OF

ELECTRICITY

LED Lighting for Education



RENEWABLE
SOLUTIONS
Lighting

Better lighting for better learning

LUCECO  from **BG**

Why LED?

- Environmentally friendly
- Reduced Carbon Emissions
- Cost Effective
- Enhanced Learning Environment
- Reduced energy
- Long life & durability
- Instant light and no flicker



Our Comprehensive Guarantees

up to
13
years
comprehensive
guarantee



Carbon Trust Accredited

As a Carbon Trust Accredited Supplier, Luceco joins a market-leading scheme for high quality energy efficient equipment and renewable technology suppliers.



Enhanced Capital Allowance Eligibility

Provides businesses with enhanced tax relief for investments in equipment that meets published energy-saving criteria. Luceco products meet or exceed this criteria.



Lighting Industry Association Member

The largest lighting industry trade association in Europe. Their mission is to strengthen the industry and promote the benefits of quality lighting at the highest level.

Classroom + staff room



Academy

- Ideal replacement for traditional fluorescent lighting
- Designed for surface mounting in class/staff rooms
- Uses high quality LED array
- Matches fluorescent appearance
- Available in single and twin 4ft/5ft/6ft lengths
- LED tube version, Academy T8, also available

4000K
NEUTRAL
WHITE

50,000
HOURS

Colour temperature:



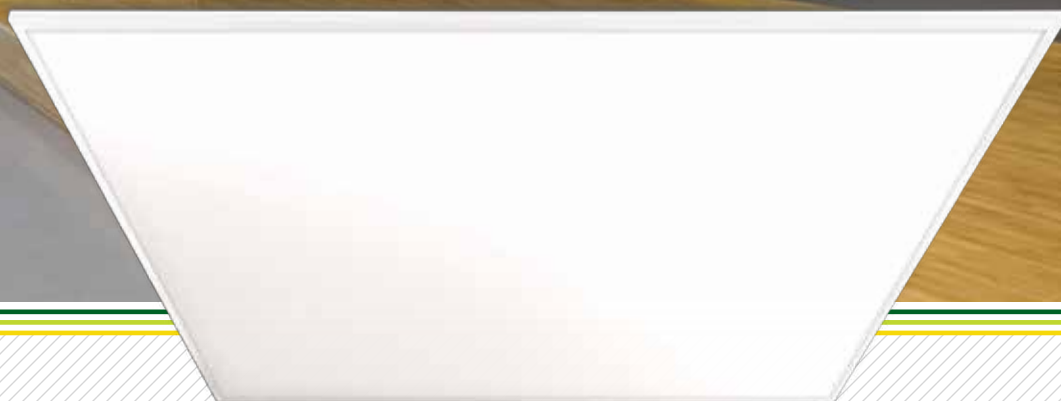
Other applications:

- Corridors
- Laboratories and workshops
- Entrance and assembly halls
- Library

LED Benefits - Instant light and no flicker

LEDs produce 100% light instantly, with none of the warm up time required by fluorescents. Plus they are **free of visible flicker - ideal to help prevent discomfort associated with traditional lighting.**

Assembly hall + libraries



LuxPanel

- **Fast return on investment, low energy consumption and CO₂ emissions**
- **Possible energy savings of 80% compared to fluorescent**
- **Maintenance free panel - no lamp replacement required**
- **50,000 hour life with consistent light output for the duration**
- **Environmentally friendly - contains no mercury or other toxins. Fully recyclable**

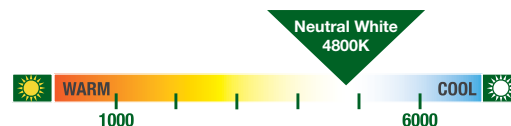


Circular LuxPanels
also available

4800K
NEUTRAL
WHITE

50,000
HOURS

Colour temperature:



Other applications:

- Classrooms and staff rooms
- Laboratories and workshops
- Corridors + offices
- Washrooms and utility areas

LED Benefits - Minimal UV exposure

LEDs emit minimal Ultra Violetlight (UV). UV light attracts insects and can be damaging to skin, clothing and artwork. **Luceco is the lighting of choice to protect fading of literature, carpets, window coverings and painted surfaces.**

Washrooms + utility area



Carbon Recessed Downlights

- Ideal replacement for compact fluorescent downlights
- Running cost savings of up to 60%
- No extra costs - designed to retrofit/match ceiling cut outs of common compact fluorescent downlights
- Suitable for use with sensors to maximise energy savings

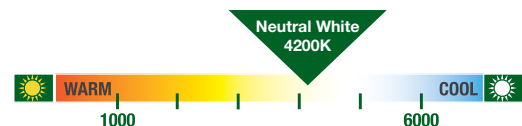


4200K
NEUTRAL
WHITE

35,000
HOURS

White and silver
inner bezels supplied

Colour temperature:



Other applications:

- Classrooms and staff rooms
- Corridors
- Assembly halls
- Library
- Laboratories and workshops

LED Benefits - Reduced Carbon Emissions

LED converts up to 80% of energy into light. This both reduces electricity costs and dramatically reduces carbon emissions

Corridors, staircases + exterior walkways



Atlas Bulkhead

- **Multiple mounting options** include ceiling surface, ceiling semi-recessed and wall mounted
- **IP65 Rated** - protected against water and dust
- **Microwave presence detector option** switches the light output from 100% - 10% or off
- **Die-cast metal accessories** provide tamper and vandal resistance
- **Dusk-till-dawn option** - Automatically switches off at dawn and on at dusk

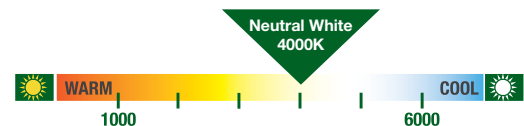


Die-cast metal accessories

4000K
NEUTRAL
WHITE

50,000
HOURS

Colour temperature:



Other applications:

- Washrooms and utility areas
- Laboratories and workshops
- Circulation areas
- Kitchen areas

LED Benefits - Safe lighting

Heat emissions are greatly reduced with LED, **which means they are cool to touch and perfect for heat sensitive applications.**

IP65 (Ingress Protection rating) - No ingress of dust and protected against low pressure jets of water.

All
areas



Emergency Lighting

- A range of luminaires specifically designed to provide optimum emergency lighting
 - Self-contained emergency products with control gear and batteries included
 - Products to suit both indoor and outdoor environments
 - Using latest ISO 7010 Legend format
 - Luminaires designed to meet European Standards EN 60598-2-22
 - Viewing distances of up to 32m
- Range includes:**
- Standard Exit Box
 - Suspended Exit Box
 - Bulkhead Exit Box
 - 3 Hour Non-Maintained Emergency Downlight
 - IP65 3 Hour Non-Maintained Emergency Twin-spot

Other applications:

- Use throughout the facility

LED Benefits - Long life

The life of LED is between 4 and 40 times greater than traditional products. What's more, they produce consistent light output over their entire life or traditional energy saving lamps.

Lighting controls



Stand Alone Lighting Controls

- **Automatic control of lighting to help reduce energy consumption** by automatically turning lighting on and off
- **IP Rated versions** - protected against water and dust
- **High ceiling mounted PIR** - suitable for high ceilings, such as sports and assembly halls



Range includes:

- Low profile PIR
- Adjustable microwave
- High ceiling mounted PIR
- Batten mount PIR
- Ceiling / wall mounted microwave

Other applications:

- Use throughout the facility

LED Benefits - Absence + Presence detection

Presence - Detectors will switch on lighting automatically when a person enters the room, and switches off automatically when no movement.

Absence - Switch light on manually and it will automatically switch off once there is no movement detected.

Replacement lamps



T8 Tube range GU10 Mini Globe B45 Classic A60 Candle C30 MR16

Lamps and tubes

- Environmentally friendly - Mercury free
- Save money - LED lamps look the same as fluorescent lamps, using a fraction of the energy
- Save energy - up to 90%
- Dimmable options available
- Instant 100% output
- Fits into existing fittings - just install your new LED lamps and start saving money

Colour temperature:



LED Benefits - Cost Effective

Lamp type	LED wattage	Equivalent wattage	*Annual saving £
Consumer Return			
GU10	5W	50W	4.90
B45 mini globe	3.5W	30W	2.90
C30 candle	3.5W	30W	2.90
A60	10W	60W	5.50
4ft tube	18W	36W	2.00

Note - Annual savings of £66.51 on traditional halogen GU10 lamp compared to the LED equivalent

Annual savings are based on a single lamp/tube running 3hrs per day at the UK electricity cost alone of (10p/KWh)*

Indoor sports hall



Kitchen + canteens



High Bay

Different reflector optics

- No extra maintenance as no lamp changing required
- Instant light output and re-strike unlike most HID conventional lighting
- No exposed glass components so a safer option for sports halls
- Recommended for high ceilings
- 15 year life

Other applications:

- Laboratories and workshops
- Vaulted ceilings
- Canteen

Climate

- Designed for surface mount application in car parks and sporting facilities
- Polycarbonate body and diffuser
- Climate Array version has stainless steel anti-tamper clips for extra safety and an optional PIR presence detector available to save on energy costs



PIR presence detectors, each sold separately

Other applications:

- Sporting facilities
- Vaulted ceilings

Energy saving potential = 73% reduction in CO₂ emissions



Hopwood Hall College

Hopwood Hall have become the latest college to install Luceco LuxPanels at their Rochdale campus.

Over recent years the Rochdale and Middleton campuses have received more than £30million in capital investment to refurbish and improve the estate.



Project overview:

- Over 150 600mm Square LuxPanels installed
- Projected annual energy savings of over £4,000
- Return on investment within 4 years



Key objectives met:

- Reducing CO₂ emissions
- Reducing maintenance
- Saving energy

Return on Investment (ROI)

Made within 4 years, with an additional savings gained from not having to replace or recycle failed fluorescent tubes.



High Bay



Academy



Carbon Recessed Downlight



LuxPanel



RENEWABLE
SOLUTIONS
Lighting

Better lighting for better learning

The Technology Centre • Station Road
Framlingham • Suffolk • IP13 9EZ

T: 01728 726644

info@rslighting.co.uk