C.U. Phosco

HERITAGE RANGE

TRADITIONAL LIGHTING SOLUTIONS

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CU PHOSCO HERITAGE RANGE

HERITAGE LIGHTING THAT MEETS MODERN STANDARDS. WITHOUT COMPROMISE.

The CU Phosco Heritage range has been a staple product range of the CU Phosco portfolio for decades, offering simplicity, is sympathetic to the local historical area, combined with the last in technology.

For locations of historical importance - or that just need a lighting solution that complements, rather than distracts, from the character of the surroundings - we have a range of traditional lighting solutions.

Our traditional lighting solution range has been re-engineered in celebration of our centenary and now features 4th generation LED light engines, providing improved performance and value for money.

With superior efficacy and lighting quality, the range is ideal for retrofit lighting or projects that needs a traditional-style lantern with the latest LED technology for optimal energy savings.

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FEATURES AND BENEFITS

KEY FEATURES

- Cost effective, high performance heritage lantern
- 4th generation LED, with improved colour rendering (70Ra)
- A range of light engines and control options
- CCT options from 2200K to 4000K
- Minimal upward light
- Up to 172lm/W

OPTIMISED THERMAL MANAGEMENT

Gear and optical compartments are separated for optimal thermal management. The high pressure die cast heatsink is thermally linked to the lantern body components which help spread the generated heat, significantly improving longevity of the LED as well as the driver.

THREE LIGHT ENGINES AVAILABLE

28 LED LP (low power) - 4000K, 3000K, 2700K or 2200K with high efficiency PMMA optics.

28 LED HP (high power) - 4000K, 3000K or 2700K with high efficiency PMMA optics.

37 LED CSP COB - 4000K and 3000K with high efficiency Silicon optics.

PHOTOMETRIC DISTRIBUTION PERFORMANCE

- 37 LED has four optical distributions
- 28 LED oprions have seven optical distributions

EXCEPTIONAL OPTICAL PERFORMANCE

- Asymmetric or symmetric light distribution High quality LEDs, PMMA or silicon optics
- Not subject to UV degradation
- Improved mesopic vision
- Exceptional uniformity

PROGRAMMABLE DRIVER

- Long lifetime and robust protection against temperature, moisture and vibration
- Driver Temperature Protection
- Integrated dimming regime or DALI
- Programmable output current
- Constant Light Output (CLO)

LIGHT ENGINE

- Three LED type options for selecting best cost/performance
- Metal core PCB to maintain low LED temperatures
- Optimised custom heatsink for efficient heat dissipation

P109

Large Georgian style LED luminaire for conservation areas, town squares, city streets and other similar situations which require a traditional style lantern. Used in places such as Regents Park, Kensington, Bath and Edinburgh.

- Cost-effective, high-performance heritage lantern
- 4th generation LED, with improved colour rendering (70Ra)
- A range of light engines and control options
- CCT options from 2200K to 4000K
- Minimal upward light
- Luminaire efficacy up to 164lm/W
- Luminaire luminous flux up to 10250lm

P111

A small Regency period LED street lighting lantern for street lighting, residential roads, and other areas requiring a traditional lantern at a minimal cost.

- Cost-effective, high-performance heritage lantern
- 4th generation LED, with improved colour rendering (70Ra)
- A range of light engines and control options
- CCT options from 2200K to 4000K
- Minimal upward light

P516

Large square Victorian period energy-saving LED luminaire for situations needing a traditional style lantern.

- CSP COB, CSP LED and Mid Power LED versions
- LED colour temperature of 2200K - 4000K
- High lumen maintenance
- Mini photocell and wireless CMS options

EXCEPTIONAL OPTICAL PERFORMANCE

- High quality LEDs, PMMA or silicon optics
- Colour Rendering Index > 70
- Not subject to UV degradation
- Improved mesopic vision
- Exceptional uniformity

P514

Square Victorian period LED street lighting lantern for situations needing a traditional lantern.

- Cost-effective, high-performance Heritage lantern
- 4th generation LED, with improved colour rendering (70Ra)
- A range of light engines and control options
- CCT options from 2200K to 4000K
- Minimal upward light
- Up to 153lm/W

EXCEPTIONAL OPTICAL PERFORMANCE

- Asymmetric or symmetric light distribution
- High quality LEDs, PMMA or silicon optics
- Not subject to UV degradation
- Improved mesopic vision
- Exceptional uniformity

P107

P107 is a simple, classic, lightweight Post Top LED Luminaire that has been designed for amenity lighting, minor roads, residential areas, shopping areas, squares, parks, and car parks. P107 utilises the latest LED light source achieving longevity for both LEDs and the drivers. The installation is simple and fast.

- Elegant and timeless design
- Luminaire Luminous Flux - UP to 9630 lm
- Luminaire efficacy up to 150 lm/W
- Wide range of lumen packages
- Maximised savings on energy
- Minimal total cost of ownership
- Flexible, intelligent lighting control options
- IP54 body IP66 LED ingress protection
- 100% recyclable
- Compatible with most CMS systems
- NEMA or Zhaga socket options

P510

Large Victorian tear-drop style LED lantern (based on original designs) for street lighting, squares, conservation areas, and other situations requiring a period lantern. Together with CU Boulevard column, an authentic Victorian scheme can be provided for a modern major road.

- Cost-effective, high-performance heritage lantern
- 4th generation LED, with improved colour rendering (70Ra)
- A range of light engines and control options
- CCT options from 2200K to 4000K
- Minimal upward light
- Up to 172lm/W
- Available with one or two light engines (specify two when extra power is needed)

EXCEPTIONAL OPTICAL PERFORMANCE

- Asymmetric or symmetric light distribution
- High quality LEDs, PMMA or silicon optics
- Not subject to UV degradation
- Improved mesopic vision
- Exceptional uniformity

Clifton Suspension Bridge, Bristol, UK

Crossing the Avon Gorge in Bristol the Clifton Suspension Bridge was designed by the esteemed civil engineer Isambard Kingdom Brunel 1831 and building was completed after his death in 1864. The Clifton Suspension Bridge Trust who maintain the bridge were looking for a lantern to reduce energy and maintenance costs whilst still blending in with the history of the Grade I Listed bridge.

KEY OUTCOMES

- P516 LED Heritage lantern, utilising the 36 LED 55w Philips Rebel LED Panel would be the best option to replace the existing 70w SON Hertiage Lanterns which were running at 79 circuit watts.
- An immediate 30% saving
- Integral programmable 5 step dimming regime feature allow the lanterns to be dimmed to 51% between the hours of midnight and 6am to operate at 28 circuit watts allowing 65% savings during these hours.

"Whilst saving energy which is important to a charitable trust such as ours, lighting with an LED solution has enhanced the appearance and safety of the footways and toll plazas approaching the Bridge. The period style of the lantern blends in perfectly with the historical and Grade I Listed structure, whilst also reduced future maintenance costs.

DAVID ANDERSON,
Bridge Master,
Clifton Suspension
Bridge Trust

Welwyn Garden City, Hertfordshire, UK

In January 2019, Welwyn Garden City (WGC) embarked on upgrading the street lighting to more energy-efficient LEDs, whilst reducing maintenance visits to replace lamps and finally improving the overall carbon footprint for WGC and Hertfordshire County Council (HCC).

Most of the luminaires in WGC are classified as conservation areas, therefore any change to the luminaires had to be very carefully considered and to meet the approval of WGC Local Councillors.

KEY OUTCOMES

- A 70% average saving in energy over the previous luminaires installed
- Welwyn Garden City Conservation Area aesthetics achieved
- Luminaire energy calculations are based on LED full power when in light and do not include any dimming regime which can be adopted by HCC via their Telensa CMS.
- Chosen as a supplier that offered best 'long term value' in consideration of; • combined capital, energy, and carbon costs over ten years • technical, commercial and logistics requirements • quality and warranty offers

"The products look good in place and to date the residents and public officers are happy. Thank you to CU Phosco for a job well done."

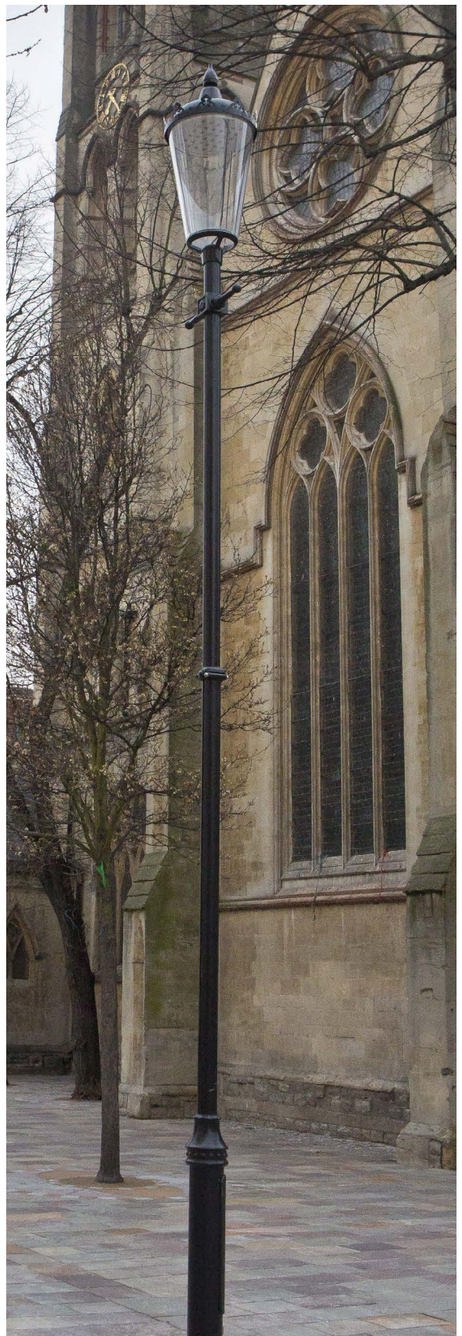
JONATHAN WATT,
LED replacement
project manager

Heritage Columns

Completing the full aesthetic of a conservation area or brief to continue with a Heritage project is just as important as the lumen output. The CU Phosco Heritage Column range is designed to support the Heritage lighting in any scheme, these include:

PROMENADE

A 4m to 6m period style street lighting column for residential areas, parks or conservation areas. Designed for use in areas where a traditional column is required without a large extra cost. The Promenade column is manufactured from steel with cast aluminium decorations attached. Finish hot dip galvanised and ‘MIO’ undercoat for final painting on site. Rooted base. A Promenade conversion kit comprising of a collar, ladder arm, decor ring, cover spigot and base casting is available for upgrading of existing columns.



BOULEVARD

A traditional style 8m or 10m street lighting column for main roads, historic town centres or conservation areas. Designed for use in areas where a traditional column is required without a large extra cost. The Boulevard column is manufactured from steel with cast aluminium decorations attached. Finish hot dip galvanised and ‘MIO’ undercoat for final painting on site. Rooted base. Boulevard conversion kit comprising of collar, cover spigot and base casting is available for upgrading of existing columns.

To find out how we can support you, email us at:
hello@cuphosco.com

About CU Phosco

CU Phosco provides an in-house end-to-end service encompassing design, manufacturing, installation and maintenance of high masts, columns, and lighting for the global market. Through design excellence, quality products, project management and a customer-centric approach, our bespoke sustainable infrastructure solutions create safer, brighter, and connected environments.

Established in 1923, our century long legacy of technical expertise and operational integrity has earned the trust and business of customers worldwide across sectors including road, telecoms, airports, ports, and sports.

Our lighting products are rigorously tested to be used in all environments and are built with circularity in mind. Our lighting columns and masts range from 3 metres to 60 metres in height and can be seen on roads, motorways, at airports and ports, shopping centres, residential areas, and sports stadiums throughout the world.

Our products are designed and manufactured in the UK at our dedicated lighting and high mast facilities, and made from 100% recyclable or reusable materials recyclable or reusable materials

MADE IN BRITAIN