

PHOS

ENGINEERING LIGHT



sales@phos.co.uk | +44 (0)208 492 7633

Unit 2, the IO centre, Hearle Way,  
Hatfield, AL10 9EW, UK.

www.phos.co.uk

## ENGINEERING LIGHT

Phos is an award-winning architectural lighting manufacturer specialising in creating high-quality, customisable light fittings boasting the highest aperture to light output ratio in the industry. Based in Hertfordshire, England, the company has been family owned since 1883 and has a history of excellence in British engineering where it continues to manufacture in the UK to this day.

We believe that there can be no compromise when it comes to aesthetics, functionality, sustainability and quality and are proud to offer industry-leading light quality, unrivalled finishing options and a full biophilic business structure.

With a comprehensive range of products and solutions that cater to the residential, commercial and hospitality sectors, Phos is available in over 40 countries across five continents and our products are used in some of the most prestigious projects in the world.



# ENGINEERING HERITAGE

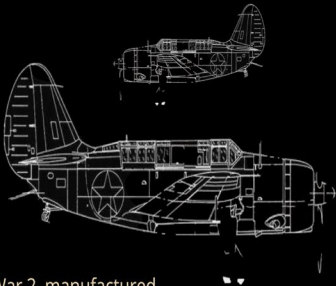
1883

Richard Cadisch starts R.Cadisch & Sons.

Motor parts and first lights sold in London.

1930s

In World War 2, manufactured parts for the Spitfire and Gypsy Moth aeroplanes.



1960s

Wire mesh side of the business takes off.

Architectural Mesh & LED company founded, combining 138 years of engineering and finishing.

2000s



1900s



1950s

Awarded two royal warrants supplying motor parts to the Royal Family.



1970s

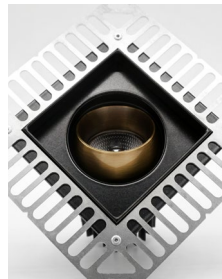
Key supplier to the Rolls Royce aeronautical division.



TODAY

Five generations later, multiple awards and shortlists and a special mention at Women in Lighting Awards for "Best Non-Profit Initiative" for their research and development of the business "Light Tribe." A passion that goes beyond just selling lights.

# WHY PHOS?



HIGHLY  
MODULAR



ENGINEERING  
HERITAGE



FLAWLESS  
FINISHES



SUSTAINABLE &  
UK MANUFACTURE



BIOPHILIC  
DESIGN





## PROJECTS

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The Phos product ranges have been chosen by designers around the world to illuminate some of the finest residential, hospitality and commercial spaces seen today.

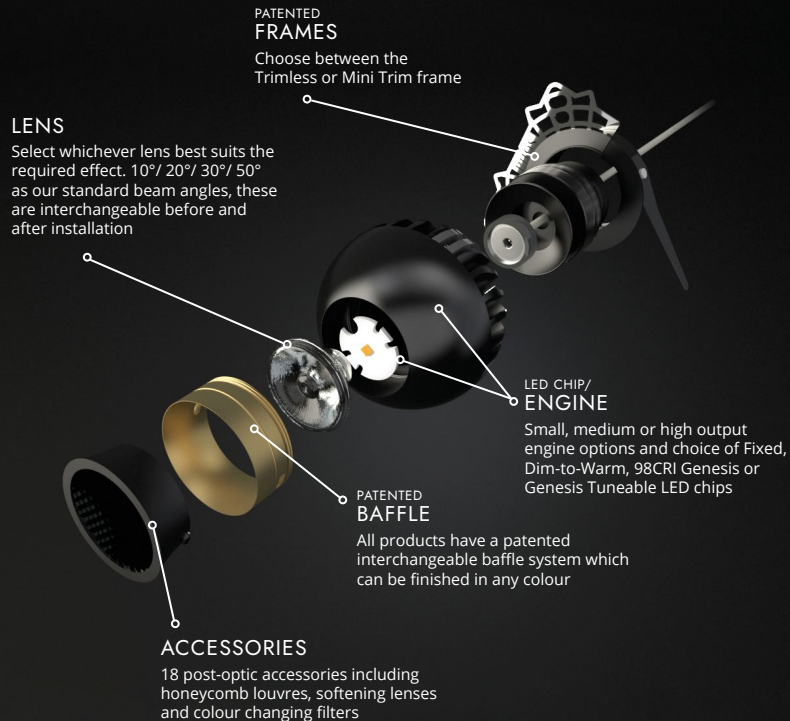


[Learn More](#)

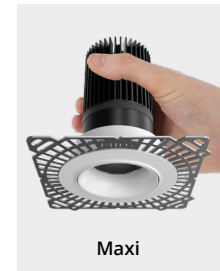
THE NEWT HOTEL | SOMERSET



DAR ZEFTA | LEBANON



## HIGHLY MODULAR



Phos luminaires are highly modular and can be fine-tuned both before and after installation.

Boasting the highest aperture to light output ratio in the industry and with easily interchangeable baffles, beam angles and post-optic accessories as well as 360° of rotation and 28° of tilt to harmonise your space.

Available in an endless range of finishing options.

1. LUMEN OUTPUT
2. LED CHIP/ENGINE
3. MOUNTING OPTION
4. BEAM ANGLE/OPTIC
5. ACCESSORIES
6. FINISHES



Life-time  
guarantee failures



Out the box  
failures



Returns  
repaired



1.61%  
Air Shipping



6.06%  
Sea Shipping



92.33%  
Road Shipping

## SUSTAINABLE UK MANUFACTURE

Our engineering heritage has enabled us to hone our technical expertise, forward-thinking creativity and design. We are supported by a local community of suppliers of services and components in the UK, thus reducing our carbon footprint and embracing the circular economy.

Our modern world must adapt to an economy whereby we can repair and reuse products rather than replace them. Phos does this and saves energy and resources in the process.







## FLAWLESS FINISHES

Since our company origins in 1883 we have gained extensive experience and profound knowledge of materials, processes and material finishing.

Individual elements of your luminaire can be refined to the very last detail using a variety of different finishing processes: anodising, plating, powder coating / any RAL finish.



## PLATED



Antique Bronze  
**01**



Antique Brass  
**02**



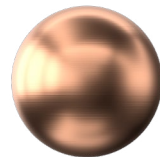
Polished Chrome  
**03**



Satin Nickel  
**04**



Polished Copper  
**05**



Satin Copper  
**06**



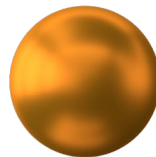
Polished Brass  
**09**



## ANODISED



Tuba Brass  
11



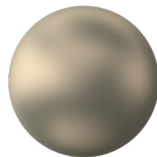
Antique Gold  
12



Espresso Bronze  
13



Cocoa Bronze  
14



Ice Gold  
15



Mocha Bronze  
16



Taupe Bronze  
17



24K Gold  
18



Champagne Gold  
19

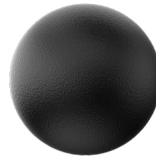


Anodised Black  
B1





## POWDER COATED



Textured Black  
**BT**



Pure White  
**W1**



Textured White  
**WT**



RAL (Classic)



RAL (Design)



Specialist

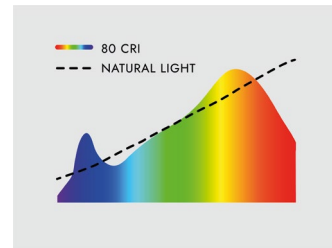
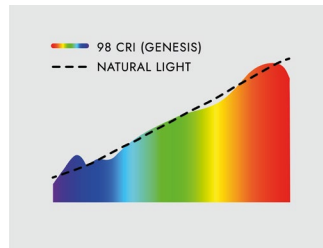


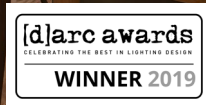


## BIOPHILIC DESIGN

Humans have an innate and genetically determined affinity with nature. As the world continues to urbanise, the natural tranquillity of biophilic design has become ever more important to us.

Our biophilically designed products are supported by the local community offering naturally occurring shapes, colours and textures, full-spectrum light and respect for the planet.





## EYECONIC RANGE

DOWNLIGHT



Nano



Standard



Maxi

Fixed, Dim-to-Warm, 98CRI or Tuneable White colour temperatures and IP65 and Fire-Rated to 65mins as standard. With a multitude of different frame/mounting options, there's a style for any occasion. 360° rotation and 28 ° tilt, easily interchangeable baffles, optics and accessories (honeycomb louvres, softening lenses, colour filters etc). Customisable both before and after installation.



[Learn More](#)



## OCCULAR RANGE

### SPOTLIGHT



Nano



Standard



Maxi

Fixed, Dim-to-Warm, 98CRI or Tuneable White colour temperatures and IP54 as standard. Available in a multitude of different frame/ mounting options. A style for any occasion. 360° rotation and 90° tilt, easily interchangeable baffles, optics and accessories (honeycomb louvres, softening lenses, colour filters etc). Customisable both before and after installation.



[Learn More](#)



[d]arc awards  
CELEBRATING THE BEST IN LIGHTING DESIGN  
WINNER 2022

## PANO RANGE

UPLIGHT



Nano



Standard



Maxi

Fixed, Dim-to-Warm, 98CRI or Tuneable White colour temperatures. 316L Marine-Grade Stainless Steel as standard and tested to IP67. Available in a multitude of different frame/mounting options. A style for any occasion. Easily interchangeable baffles, optics and accessories (honeycomb louvres, softening lenses, colour filters etc). Customisable both before and after installation.



[Learn More](#)





## ECLIPSE RANGE

DOWNLIGHT



Nano



Standard



Maxi

Available in Fixed, Dim-to-Warm, 98CRI or Tuneable White colour temperatures, the Eclipse range is designed to have no protrusion below the ceiling line, ensuring a clean aesthetic and minimal glare. IP65 and Fire-rated to 65mins as standard and available in a multitude of different frame/ mounting options. 360° rotation and 28 ° tilt, easily interchangeable baffles, optics and accessories (honeycomb louvres, softening lenses, colour filters etc). Customisable both before and after installation.



[Learn More](#)



[d]arc awards  
CELEBRATING THE BEST IN LIGHTING DESIGN  
**2ND PLACE 2020**

## ORBA RANGE

### SPOTLIGHT



Interior



Exterior

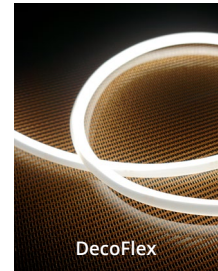
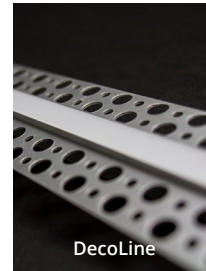
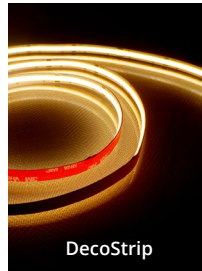
Fixed, Dim-to-Warm, 98CRI or Tuneable White colour temperatures, this patented Ø70mm spherical engine is IP65 as standard (IP67 exterior). Available in a multitude of different frame/mounting options. 360° of rotation and up 90° of tilt with easily interchangeable baffles, optics and accessories (honeycomb louvres, softening lenses, colour filters etc). Customisable both before and after installation.



[Learn More](#)

## LINEAR RANGE

STRIP & PROFILE



Our full linear light offering includes high CRI fixed colour temp, Dim-to-Warm, Tuneable White, RGBW, COB, Flexi-Strip and Harsh Environment variants. Paired with our comprehensive range of profiles suitable for all installation types, this range allows lighting solutions for almost every scenario.



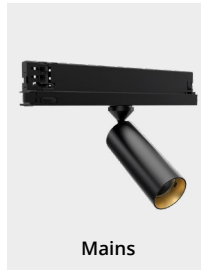
[Learn More](#)





## DECOTRACK RANGE

TRACK



Mains



Low Voltage



Micro Low Voltage

Our Italian designed DecoTrack range is available in surface mounted, recessed and trimless versions. With a multitude of variants and sizes that offer impressive modularity, they are a stunning minimalistic approach to track-mounted installations.



[Learn More](#)



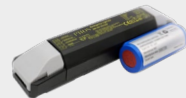


## POWER SUPPLIES & CONTROL

DRIVERS & CASAMBI



Mains Drivers



Emergency Drivers



Casambi

We have a comprehensive range of industry-leading drivers (mains, DALI, 0-10V), power supplies, slave units, emergency packs and control gear (Casambi) allowing impressive and complete control of your lighting instruments.

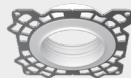


[Learn More](#)



## FRAME OPTIONS

### DOWNLIGHTS



Trimless



Trimmed



Recessed



Recessed Trimless



Twin



[Learn More](#)

## ACCESSORIES

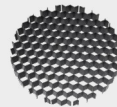
PRE & POST-INSTALL



Commissioning Tool



Snoot



Honeycomb



Softening Lens



Halfmoon



[Learn More](#)



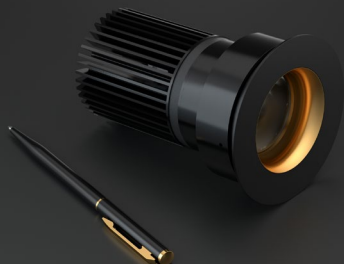
NANO



MINI

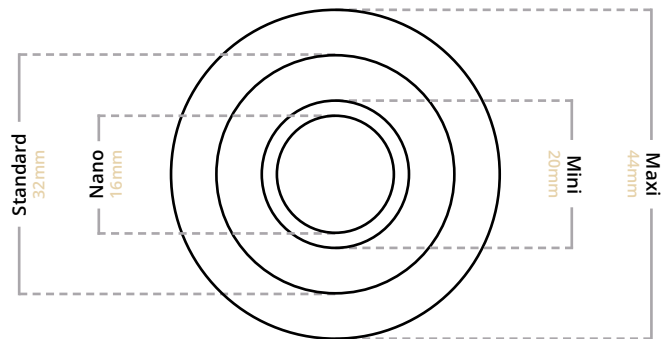


STANDARD



MAXI

## LIGHT EMITTING APERTURE ACTUAL SIZE



Scale 1:1

STANDARD WHITE  
90CRI

DIM TO WARM  
95CRI

LED CHIP OPTIONS · LED CHIP OPTIONS · LED CHIP OPTIONS

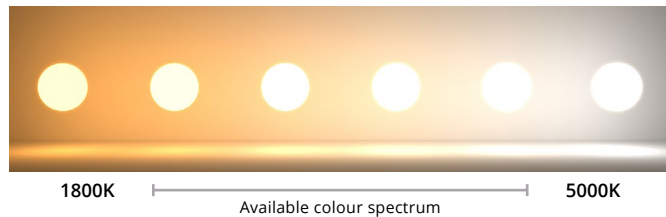
GENESIS  
98CRI

GENESIS TUNEABLE  
98CRI

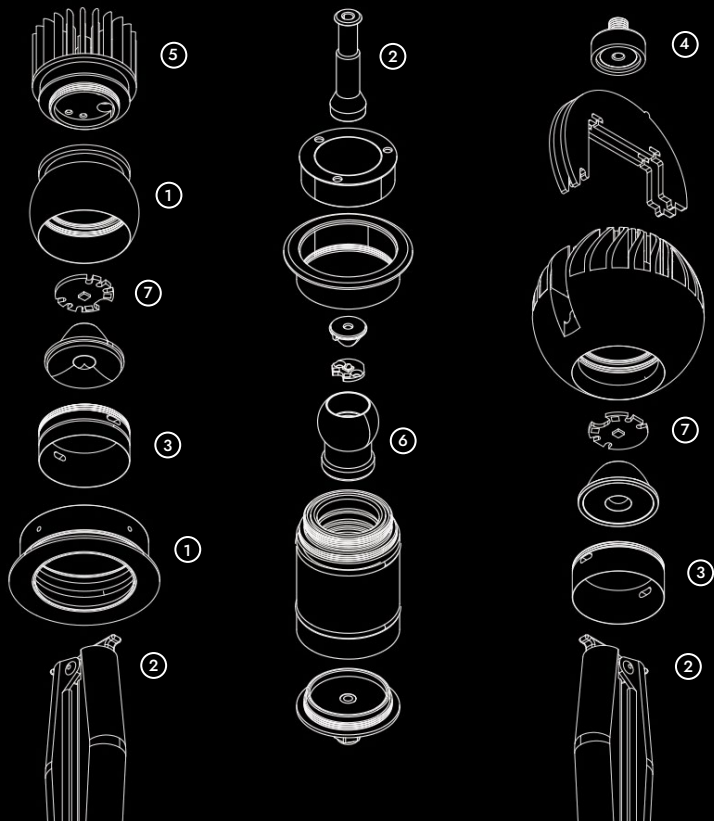
## INDUSTRY-LEADING LIGHT QUALITY

Fixed and tuneable light engines that offer the closest thing to natural light.

90CRI as standard with option to upgrade to our Dim-to-Warm, Genesis and Genesis Tuneable LEDs (98CRI) enhancing the built environment.







## DESIGN PATENTS

For over a century, Phos has unceasingly strived for engineering excellence to enhance the quality of light. This quest has driven the innovation of materials, technology and products; many of which have been patented.

1. EYEBALL & SOCKET JOINT

5. TWO-PART HEATSINK FORGING

2. BEAM TARGETTING  
COMMISSIONING TOOL

6. INGROUND ADJUSTABLE  
SOCKET JOINT

3. INTERCHANGABLE BEZEL,  
BAFFLE AND LENS

7. LED/PCB HEAT  
DISSIPATION SYSTEM

4. ORBA MAGNETIC COUPLING  
MECHANISM



## EXPORT

Phos works closely with our export agents  
to supply high quality UK manufactured  
lighting solutions worldwide.

[Export@phos.co.uk](mailto:Export@phos.co.uk)



LIGHT TRIBE

**A family lighting company that  
goes below the surface of just selling lights**

Formed through a genuine passion for the power of light, Light Tribe is a non-profit research arm of Phos that connects the latest scientific research to designers.



[Learn More](#)



Designed & Manufactured in the UK

Made to order - standard lead time: 1-3 weeks

Customised to order - custom lead-time: 4-6 weeks

Available globally

Unrivalled range of flawless finishes

Fire-rated 65mins & IP65 (from the front) as standard

Acoustic dampening properties on all products

Completely modular range - can fine-tune after installation

Biophilic design, sustainable & environmentally friendly

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Scan the QR code below

to view all our LED chip and beam angle options

