



Whitecroft Lighting

Outdoor Lighting



Whether lighting for safety, security or style, Whitecroft offer a range of outdoor luminaires to suit any near building application. This latest range offers excellent performance and energy efficiency to bring any building exterior to life.

LED - the most energy efficient light source available

The luminaires in our new outdoor range use the latest highly efficient LED light engines. The savings offered by using LEDs in an outdoor application can be even greater than when compared to most indoor applications, due to the inherent inefficiency of some traditional light sources. Reducing the energy used in outdoor near-building applications can help the designer reach the higher BREEAM classifications, as well as complying with the latest legislation.

Our outdoor LED ranges assist in achieving compliance with:

- BS5489-1 Lighting for roads and public amenity areas.
- EN13201-1 Road lighting performance requirements
- EN12464-2 Lighting of outdoor work places.
- EN12193 Sports Lighting.
- SLL Code for Lighting.
- SLL Lighting Guide LG6.
- ILP Guidance note for reduction of obtrusive light.
- BREEAM

Reducing costs throughout life

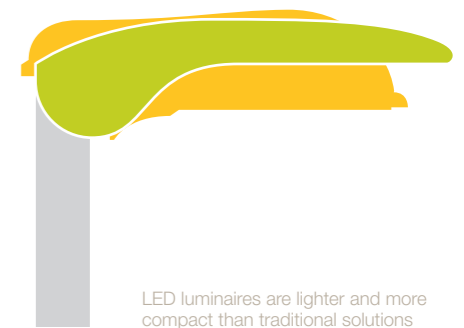
Energy is not the only factor to take into account when choosing outdoor lighting. The combination of capital, energy and maintenance can add up to an overall saving of over 50% throughout the life of a project.



Utilising the inherent design advantages of LED technology

LEDs offer more than just reduced energy consumption. Their compact nature allows for smaller, lighter luminaires that deliver higher light output. Reducing the size of column mounted lanterns reduces the resulting windage, meaning lighter duty columns can be used. Higher light output combined with better distribution and higher maintenance factors can mean fewer installed points, driving down both the installed and overall cost of any outdoor application.

Another great advantage of LED light sources is the quality of light. The safety and security requirements of near building applications require better colour rendering than highway lighting, ruling out the use of traditional SON-T lamps. With a CRI index of 70 and above, LEDs are ideally suited to these applications. Furthermore, the higher CRI can result in fewer installed points, as fewer luminaires with better colour rendering are required to light a space to the same standard as poorer quality light sources.



LED luminaires are lighter and more compact than traditional solutions

Extensive range

This new range of outdoor lighting tools encompasses every type of luminaire used in near building outdoor lighting schemes.

Post Top



Building Mounted



Floodlights



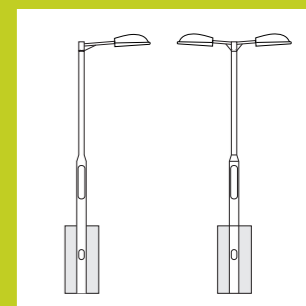
In Ground Uplighters



Bollards



Columns



Driving down energy costs in outdoor applications

Reducing energy with LED technology

Outdoor applications can benefit greatly from the adoption of LED lighting technology. Even the most efficient traditional light sources cannot compete with LEDs in terms of energy efficiency. A typical post-top lantern using a CDM-T lamp is 35% less efficient than its LED counterpart. This reduction in energy will bring cost benefits to the user in reduced energy bills, as well as environmental benefits with a lower carbon footprint.

Light source	Delivered lumens	Circuit wattage	Luminaire lumens per circuit watt	Saving
150W CDM-T	9800	160	61	-
48 x 2W LEDs at 700mA	9900	104	95	35%

Typical savings around a building perimeter

When you compare the energy usage between conventional and LED light sources around an entire building, the scale of the saving becomes apparent. An overall reduction in energy consumption in excess of 45% can be achieved on a point-for-point basis. This saving can be further enhanced when spacings are increased to take advantage of the improved maintenance factors offered by LED luminaires.

Area	Type	Qty	LED solution			Conventional source solution					
			Actual Lumens	Circuit Watts	Total Watts	Lamp Wattage	Initial Lumens	Typical LOR	Actual lumens	Circuit Watts	Total Watts
Car Parking	Post top lantern	16	4976	52	832	70W CDM	6600	0.75	4950	82	1312
Roadway	Post top lantern	3	7463	78	234	100W CDO	10700	0.75	8025	115	345
Footpath	Bollards	8	484	10	80	26W TCD	1800	0.60	1080	28	224
Pedestrian Security	Wall mounted	3	1338	17	51	32W TCT	2400	0.70	1680	35	105
Amenity area	Post top lantern	2	4004	53	106	70W CDM	6600	0.70	4620	82	164
Loading bay	Surface downlights	11	2000	23	253	32W TCT	2400	0.70	1680	35	385
Service yard	Floodlights	12	12976	135	1620	250W HQI	18000	0.70	12600	275	3300
Rear elevation	Wall mounted	8	2654	29	232	42W TCT	3200	0.70	2240	46	368
Façade	Floodlights	6	5082	50	300	70W CDM	6600	0.75	4950	82	492
Sign	In Ground uplighter	2	1537	21	42	35W CDM	3300	0.70	2310	39	78
Total Watts					3750						6773

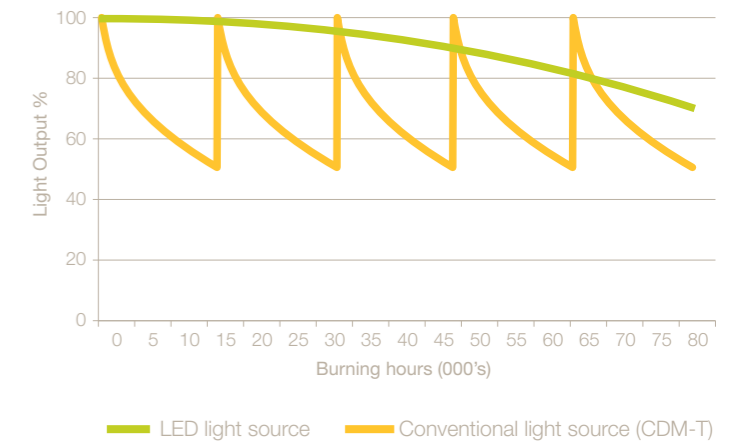
Energy saving 45%



Further savings using LED technology

Reduced maintenance throughout project life

Outdoor luminaires are typically much more costly to maintain than their indoor counterparts. Specialised access equipment is required for many applications, and the weatherproof nature of any outdoor luminaire means that it is more time consuming to open for routine maintenance, cleaning or re-lamping. With LEDs offering up to 5 times the lifespan of a traditional light source, maintenance regimes can be greatly reduced, resulting in significant cost savings.



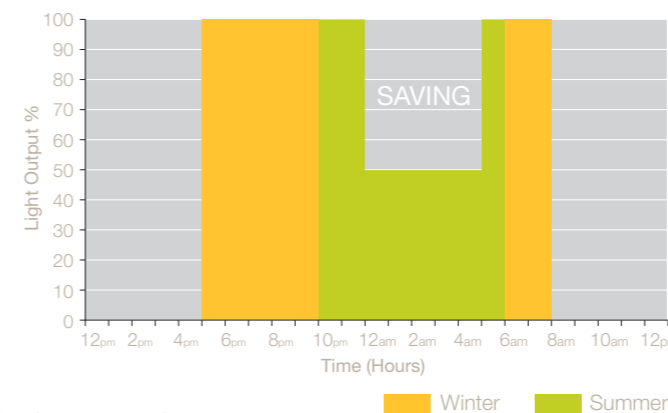
Lumen maintenance and re-lamping intervals

Dimming and lighting controls

To further enhance the energy saving features of LED outdoor luminaires, a range of lighting control options are available. These can automatically switch or dim individual or groups of luminaires to suit any requirement. With most near building applications, a simple method of control such as using either photocell, time clocks or dual power ballasts will be sufficient. The most efficient way of reducing power usage is to dim or switch off luminaires during appropriate night-time hours, ensuring that lighting is only used when needed, if safe to do so.

Photocell Control

Photocells can be mounted remotely or within a luminaire body. In conjunction with a timer, these can be configured to switch off a group of luminaires at a pre-determined time if lighting is not required.



Dual power savings

Dual Power

Dual Power is a factory set function which uses an intelligent dimming ballast to dim a luminaire to 50% output for a specific time, (typically between midnight and 5am). This ensures a safe level of lighting is maintained, whilst reducing the energy consumption for this 5 hour period. The resulting savings are up to 25% of overall energy consumption as shown.

Further enhanced lighting control options are available on a project basis. These include DALI dimming, pre-programmed night-time output options or wireless addressable control networks.



The complete solution for near-building outdoor lighting

Building facades and signage

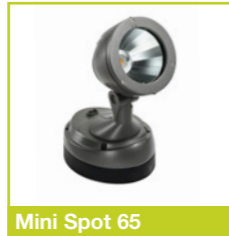
This lighting is mainly for decorative effect, allowing the designer free range in their choice of lighting.



Marine



Selise



Mini Spot 65

Car Park

Colour rendition and uniformity are the most important factors in car park areas.



Sirocco Park



Sirocco Flood



Sirocco Central



Mistral Park

Roadway

Careful selection of road classifications should be taken as slower traffic flow may mean lower levels of illuminance are required than in normal highway lighting.



Sirocco Park



Mistral Park

Building perimeter and security

The levels of illuminance should increase in proportion to risk, with good colour rendition essential for CCTV applications.



Spectre WX



Spectre WR



Kolo

Pedestrian walkways and amenity areas

These areas are lit primarily for the security of pedestrians. High levels of uniformity are required, and cylindrical illuminance should be considered for improved facial recognition.



Broadwalk



Cygnus ST



Cygnus SX



Cygnus SY

Sports facilities

Many of our outdoor luminaires are suitable for use in sports applications. Please refer to our website for more information.

Canopies

Canopies are often the link between indoor and outdoor areas. Lighting levels and luminaire types should be selected to suit the project requirements.



Spectre SL



Mirage LED IP65

Service Yards

These must be lit to much higher levels than surrounding areas as they are shared pedestrian and vehicular zones.



Selise



Selise Maxi



Euroflood

Post top luminaires

Sirocco park

Ultra slim LED lantern



Optics

- 3200 to 10000 lumens
- 33 to 104W
- MacAdam 3 SDCM
- 5 distribution options
- Zero light pollution

Body

- Die cast aluminium with integrated fins for heat dissipation
- Powder coated for maximum resistance
- IP66, IK08 rated protection
- Post top or side entry



Sirocco flood

Slimline LED asymmetric floodlight



Optics

- 11000 to 18000 lumens
- 116 to 183W
- MacAdam 3 SDCM
- Symmetric or asymmetric distribution options

Body

- Die cast aluminium with integrated fins for heat dissipation
- Powder coated for maximum resistance
- IP66, IK08 rated protection
- Post top or side entry



Sirocco central

High output LED lantern



Optics

- 7000 to 15000 lumens
- 77 to 153W
- Wide symmetrical distribution for large open areas

Body

- Die cast aluminium with integrated fins for heat dissipation
- Powder coated for maximum resistance
- Graphite grey or silver finish
- IP66, IK08 rated protection



Mistral park

Robust conventional source road and area lantern



Optics

- Ceramic metal halide CDO-TT and CPO-TW lamp options

Body

- Post top or side entry
- Die cast aluminium
- Finished in graphite grey and silver



Cygnus ST

Conical LED and conventional source lantern



Optics

- 3300 to 10000 lumens LED
- 70 & 100W Metal Halide
- Symmetrical distribution for open areas

Body

- Die cast aluminium with steel cap
- Graphite grey or silver finish
- IP65, IK08 rated protection



Cygnus SY

Decorative LED lantern



Optics

- 1500 to 6000 lumens
- 18 to 72W
- 3 distribution options

Body

- Die cast aluminium with integrated fins for heat dissipation
- Powder coated for maximum resistance
- IP66, IK08 rated protection



Cygnus SX

Stylish LED lantern



Optics

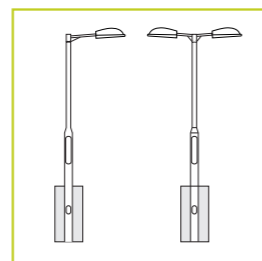
- Symmetrical distribution
- Zero light pollution
- UV stabilised polycarbonate clear diffuser

Body

- Die cast aluminium
- Finished in graphite grey or silver



Columns and brackets



- We also offer a wide range of lighting columns and outreach brackets
- Heights between 4 and 15m
- Planted root or flange plate mounted
- Tubular stepped galvanised as standard
- Conical and hinged columns on request
- Black, silver standard colour options, others on request

Suitable for sports lighting applications

Floodlights

Selise maxi

Circular LED floodlight



Optics

- 9700 to 36000 lumens
- 101 to 419W
- Asymmetric distribution with 50 degree peak beam

Body

- Die cast aluminium with integrated fins for heat dissipation
- Powder coated for maximum resistance
- Graphite grey or silver finish
- IP66, IK08 rated protection



Suitable for sports lighting applications

Selise

Small and medium LED floodlight



Optics

- 2600 to 8900 lumens
- 29 to 85W
- Symmetric wide beam distribution for general areas

Body

- Die cast aluminium with integrated fins for heat dissipation
- Powder coated for maximum resistance
- IP66, IK08 rated protection



Euroflood sport 1kW

1kW asymmetric floodlight



Optics

- 1kW HQI-T, E40 base lamp
- Asymmetric distribution with 53 degree peak beam

Body

- Die cast aluminium
- Powder coated for maximum resistance
- IP66, IK07 rated protection
- Remote mounted gear box to minimise floodlight head weight



Suitable for sports lighting applications

Euroflood sport 2kW

2kW asymmetric floodlight



Optics

- 2kW HQI-TS long arc lamp
- Asymmetric distribution with 61 degree peak beam
- Adjustable lamp position for choice of beam width

Body

- Die cast aluminium
- Powder coated for maximum resistance
- IP66, IK08 rated protection
- Remote mounted gear box to minimise floodlight head weight



Suitable for sports lighting applications

Euroflood miniLED

Asymmetric LED floodlight



Optics

- 5000 lumens, 50W
- Asymmetrical distribution

Body

- Die cast aluminium with integrated fins for heat dissipation
- Wall mounting stirrup bracket with protractor scale



Euroflood midiLED

IP66 LED asymmetric floodlight for open areas



Optics

- 6000 – 16000 lumens (52 – 169W)
- Asymmetric distribution using LED mounted lenses
- 50,000 hour LED life to L70B20

Body

- IP66, IK08 rated
- Slim body to minimise wind exposed surfaces
- Die cast aluminium body with integrated cooling fins



Suitable for sports lighting applications

Euroflood mini

Asymmetric conventional source floodlight



Optics

- Lamp options:
 - 70W HQI-TS/CDM-TD
 - 150W HQI-TS/CDM-TD
 - 300W Tungsten Halogen
- Asymmetric light distribution for low light pollution

Body

- Die cast aluminium low profile design
- Powder coat finished in black or white



Euroflood M3

Asymmetric conventional source floodlight



Optics

- 250/400W HQI/SON-T lamp options
- Asymmetric distribution for optimum light control

Body

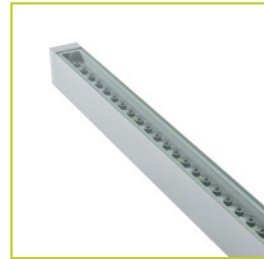
- Die cast aluminium
- Powder coated for maximum resistance
- IP66, IK08 rated protection



Suitable for sports lighting applications

LED line surface

Linear LED luminaire for feature lighting



Optics

- 3150 to 8000 lumens
- 30 to 77W
- Elliptical distribution for even wallwashing

Body

- 640, 1240 and 1540mm long
- Extruded aluminium with die cast end caps
- Powder coated for maximum resistance
- IP66, IK08 rated protection
- Adjustable mounting brackets



Micro spot 65

LED spotlight for feature lighting



Optics

- 1250 lumens, 14W
- Medium beam distribution for spotlighting

Body

- Die cast aluminium
- Powder coated for maximum resistance
- Graphite grey or silver finish
- IP65, IK08 rated protection
- Adjustable aiming angle



Mini spot 65

LED spotlight for feature lighting



Optics

- 2100 / 3200 lumens
- 30 / 42W
- Ra90 colour rendition
- Wide or narrow beam distribution options

Body

- Die cast aluminium
- Powder coated for maximum resistance
- Graphite grey or silver finish
- IP65, IK08 rated protection
- Adjustable aiming with protractor scale
- Range of accessories



Kolo IP65

Surface mounted LED and conventional source luminaire



Optics

- Lumen packages from 800 to 2300 lumens
- 1 x 18/26W TCD
- 1 x 28/38W 2D T5

Body

- Optional trim ring or grill front attachment available for alternative aesthetic
- Finished in silver or black



Spectre WR

Wall mounted LED luminaire



Optics

- 2000 lumens, 27W
- Zero light pollution
- Wide distribution for building perimeters

Body

- Die cast aluminium
- Coated for corrosion and saline environment resistance
- IP65 IK08 rated protection



Centurion PP65 LED

Wall mounted LED security luminaire



Optics

- 1300 to 2800 lumens
- 17 to 36W

Body

- Black polycarbonate visor and die-cast aluminium base
- Clear UV stabilised prismatic polycarbonate diffuser



ACF extreme

Fluorescent luminaire for outdoor applications



Optics

- 1 or 2 x 24-54W T5 lamp options
- Clear prismatic polycarbonate diffuser
- Wide distribution

Body

- Die cast aluminium
- Black powder coated finish
- IP65, IK08 rated protection



Spectre WX

Wall mounted LED luminaire



Optics

- 1119 lumens, 18W
- Forward throw downward distribution

Body

- Die cast aluminium
- Finished in graphite grey or silver



Spectre wall

Wall mounted LED and conventional source luminaire



Optics

- LED and conventional source options
- Direct/indirect or direct only distribution

Body

- Die cast aluminium
- Powder coated for maximum resistance
- Silver finish
- IP65, IK08 rated protection



Centurion PP65

Wall mounted conventional source luminaire



Optics

- Lamp options:
 - 26W TC-D
 - 42W TC-T
 - 70W SON-E
 - 70W HQI-E

Body

- Black polycarbonate base and visor
- Emergency and photocell options



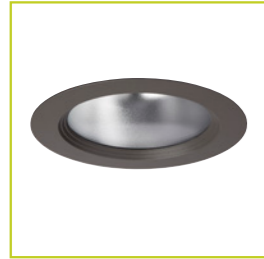
For more information visit our website - www.whitecroftlighting.com

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Recessed

Mirage LED IP65

Ceiling recessed LED luminaire



Optics

- 2000 lumens, 23W
- Clear diffuser or feature glass

Body

- IP65 IK10 rated protection
- Finished in anthracite grey
- Dali driver as standard



Broadwalk quad

Wall recessed LED luminaire



Optics

- 100 lumens
- Forward throw downward distribution

Body

- Coated for corrosion, saline and UV resistance
- IP54 rated protection
- Finished in graphite grey



Bollards

Broadwalk L180

180 degree LED bollard



Optics

- 500 to 1500 lumens
- 10 to 30W
- Asymmetric 180 degree distribution

Body

- Die cast aluminium
- Graphite grey or silver finish
- 600, 1100 and 2400mm high versions



Broadwalk RS

360 degree LED bollard



Optics

- 500 / 1000 lumens
- 7 / 14W
- Symmetrical 360 degree distribution

Body

- Reinforced steel
- Powder coated for maximum resistance
- Black finish
- Root planted or flange mounted



Broadwalk L360

360 degree LED bollard



Optics

- 500 lumens (10W)
- Symmetrical 360 degree distribution

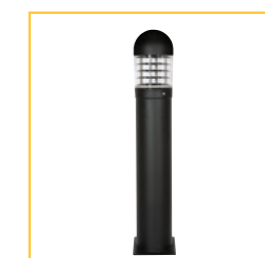
Body

- Extruded aluminium
- Powder coated for maximum resistance
- Graphite grey or silver finish



Broadwalk bollard

Conventional source bollard



Optics

- Lamp options:
 - 35W CDMT
 - 50W SON-T
 - 42W TC-T
- Clear polycarbonate cover with stainless louvre or opal polycarbonate diffuser

Body

- Tubular steel body and top cap, available in black powder coated finish or stainless steel
- Round or square head options
- Root planted or flange mounted



In ground uplighters

Marine LF

Fixed LED uplighter



Optics

- 300 lumens
- Symmetrical distribution with 25 degree beam

Body

- Stainless steel frame (316 grade)
- IP67 IK08 rated protection



Marine LT

Adjustable LED uplighter



Optics

- 1500 lumens (21W)
- Symmetrical distribution with 25 degree beam
- Adjustable by up to 15 degrees from vertical

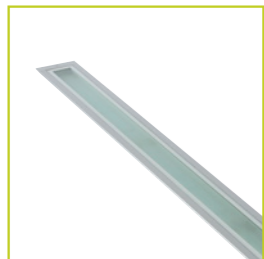
Body

- Die cast aluminium
- Stainless steel frame (316L grade)



LED Line Recessed

In-ground recessed linear LED luminaire



Optics

- 1000 to 4000 lumens
- 14 to 42W
- High or low output
- Diffused optics for wide distribution

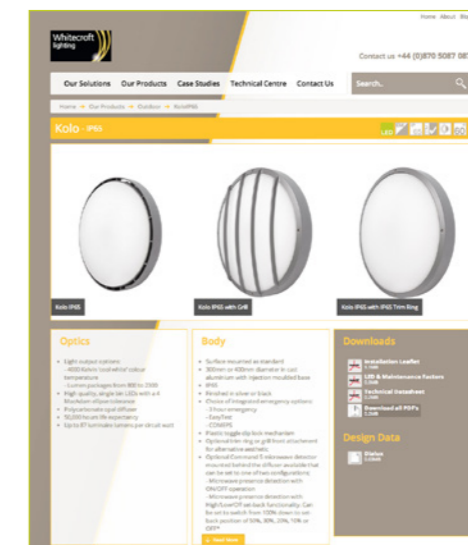
Body

- Extruded aluminium body with die cast end caps
- IP67, IK08 rated protection
- Silver finish
- 630 or 1230mm long body



Online resources

For comprehensive product information including technical data please visit our website - www.whitecroftlighting.com. Here you will find downloadable product datasheets and installation instructions, as well as design data which can be used in Relux and Dialux lighting design software.



For more information visit our website - www.whitecroftlighting.com

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