

External Solutions

Ideal LED solutions for floodlight, trailer park or sports arenas

Ideal for replacing any external fittings
Carbonlights™ are capable of delivering up to 80% electricity cost savings.
With directional lenses to focus the light as required
Carbonlights™ are designed and manufactured in the UK using Cree high performance LEDs in an aluminium housing designed to maximise LED life.

Performance



High intensity options – estimated LED Life 90,000 hours at 25°C

	Lumens	Watts	Lumens per Watt	Dimensions (cm)	Weight (kg)
CL600 – 3	13,083	123.6	106	190 x 100	4.9
CL300 -3	6,542	61.8	106	190 x 100	3.1
CL300-2	4,361	41.2	106	115 x 100	1.8
CL300	2,181	20.6	106	40 x 100	0.85

Using our in house technical design team we can create an optimal lighting design to ensure light gets to where it's needed, minimize light pollution and meet payback requirements

Luminaire efficacy : 109.25 lm/W
Classification : A40 ↓ 99.8% ↑ 0.2%
CIE Flux Codes : 46 75 94 100 102
UGR 4H 8H (20%, 50%, 70%) :
C0 / C90 : 34.6 / 36.4
Control gear :
System power : 42.8 W
Length : 960 mm
Width : 39 mm
Height : 85 mm

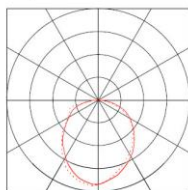


Figure 2 Typical Photometric File

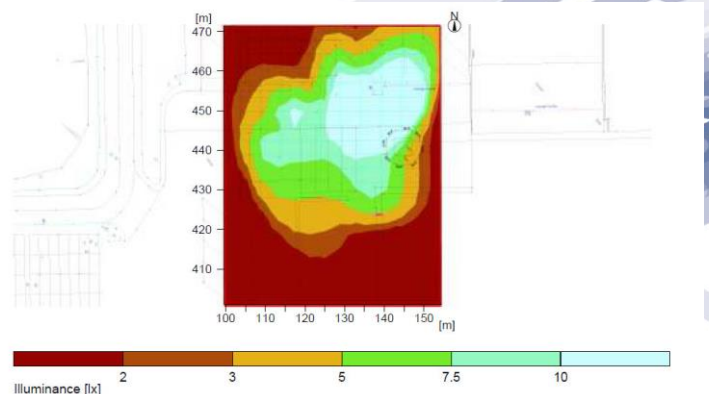


Figure 1 Relux for Toyota Manufacturing Trailer Park

Our floodlights are available in a wide variety of configurations and choice of cool white through neutral to warm white LEDs.

With a powder coated aluminum body to provide long lasting performance in the harshest environments.



Specification

Carbonlights™ Technical Specification

Electrical Specification		Features
Supply Voltage	220/240 Vac RMS at 50Hz	High quality LEDs from Cree. Long life – up to 90,000 hours. Ultra-Efficient – up to 106 delivered Lumens per circuit Watt.
Rated Wattage	Fittings in the Carbonlights™ Range come in modules with multiples of 12 Watts at 350mA or 24 Watts at 700mA	
Construction and Environmental		
Body Material	Aluminium (40% Recycled)	Robust, modular construction 3 year warranty (as standard).
Lens Material	Vivak or polycarbonate	
Cover/Shade Material	Delrin (Acetal)	
Finish	White powder coat or anodised as standard	Upgradeable design. Instant on/off operation. Easy to clean profile. Easy to install. Mercury/glass free. Largely re-usable. Largely recyclable. No flicker.
Standard Mounting	Suspended, Wall or Ceiling Bracket	
Optional Mounting	Bespoke Bracket	
Operating Temperature	-20°C to +35°C (-40°C to +50°C extended)	
Ingress Class	IP44 standard, designed to meet IP65 sealed	
Electrical Connection	Flying lead or Plug/Socket	
Photometric		
Standard LED Colour	Cool White (neutral or warm available)	
CCT Range	5700k Cool White	
CRI	75 – 80 Standard	
Splay Angle	160, 120 or 90 degree as standard	
Lens Options	80, 60, 40, 25 degree round or 30 x 65 degree oval	

Dedicated to providing you with ground breaking lighting solutions, designed and manufactured in the UK.



Carbonlights Solutions Ltd | 60 Newland Street | Coleford | Gloucestershire | GL16 8AL | UK

T 01594 372 371 | E info@carbonlights.co.uk

www.carbonlights.co.uk

