

# Peek Sirius<sup>®</sup> LED Street Light

The realistic LED option for residential road lighting.



The first LED street light to combine lessons learned, client feedback and new industry requirements. Peek Sirius uses the latest cutting edge technology to provide a realistic, cost effective, energy saving all S Class LED luminaire.

## Lifecycle Costing

It is imperative to review both the initial purchase cost of a luminaire and the overall lifecycle cost, including design optimisation, energy and maintenance. These factors need to be clearly modelled to ensure that moving to an LED solution is the right decision, delivering more for less and providing best value for money as well as environmental benefits. Under prudent modelling Peek Sirius is proving to be one of the best luminaires to use for S1 to S5 residential lighting and lighting schemes with similar requirements.

## Energy Efficiency

Maximising energy use in the production of light, rather than heat, gives the Peek Sirius the edge over other luminaires. Minimising gear losses, allowing part night operation and LED dimming further enhance the efficiency of this solution.

## Performance

The unique optical capabilities of the Peek Sirius; allowing several Light Engines to be integrated with Multiple Combination Lenses (MCL) and the use of the exclusive Light Engine Rotation (LER) feature, provides unparalleled photometric performance.

## Key Features

- Engineered to a high standard with lower cost
- Low maintenance
- Ability to light from S1 to S6 BS5489 / EN13201 standards for typical road widths and spacings
- White light, CRI 75
- All components easily replaceable including:
  - LED Light Engines
  - LED Drivers
- Ability to integrate several Light Engines to provide low to very high lighting levels
- Multiple Combination Lenses (MCL) wide and narrow to optimise the photometrics
- Unique Light Engine Rotation (LER) feature further enhancing the photometry
- Dimming, part night, CMS control possible using all manufacturers equipment
- Luminaire to comply with CE, EMC, EN55015, EN60529, EN61000 standards UMSUG codes

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## Exceptional Engineered Design

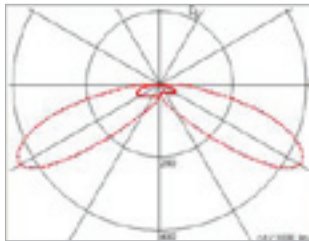
Client feedback combined with the latest industry requirements has resulted in an innovative solution that delivers a low cost LED luminaire, allows all of the components to be replaced or upgraded, provides optical performance to the same levels or better than the existing standard light source luminaires and provides greater energy efficiency with long life and low maintenance requirements.

## Construction

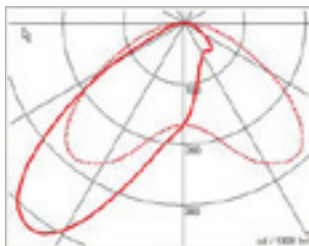
The use of extruded high grade aluminium for the main body has enabled the design engineers to produce a sleek and attractive yet cost effective luminaire with a twin sliding function relinquishing the need for hinges and allowing full access to all components.

## Experience

Peek and its luminaire development partner have over 8 years experience developing LED products for use on the highway in the UK and around the world. Between us, we have one of the largest LED installation bases on the highway.



wide angle optics



narrow angle optics

## Specifications

Power Supply:	230VAC +/- 6%
Frequency:	50Hz
Operating temperature:	-20°C to +40°C
CRI index / Temperature:	CRI=75 / White light 5000K
Power Factor:	0.97
Photometrics:	File and Design Software
Elxon codes:	UMSUG standard
Lifetime:	B10L70 @ 60,000 hours
Driver life:	60,000 hours
Weight:	7kg to 11kg
Dimensions:	2 Light Engine – 355mm x 600mm 4 Light Engine – 355mm x 450mm
Mounting:	Post Top or Side Entry
Photometric Technology:	Multiple Combination Lenses (MCL) Light Engine Rotation (LER)

### Standards (undergoing testing / approvals):

CE (including EMC), EN55015, EN60529, EN61000

### IP rating:

IP65 driver / connection compartment, IP65 all connections, IP54 main housing



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Peek is a leading supplier of intelligent transport solutions. For more than 30 years, the firm has been providing advanced traffic control products and systems, management and maintenance services for both the urban and highways markets. Peek's established and proven portfolio includes traffic management systems incorporating SCOOT, highway congestion management and enforcement systems, vehicle detection systems, exterior lighting, as well as supervisory and communications systems. Peek is ISO 9001:2008 and ISO 14001:2004 certified.

With headquarters in Basingstoke, Hampshire, Peek employs more than 500 staff throughout the UK. Peek is part of the Traffic and Infra division of Imtech NV, a global technology services provider based in the Netherlands.

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