

ENERGY LED SOLUTIONS

Modern demands on street and amenity lighting are increasingly calling for the lighting designs to consider not only the lighting requirements but also the need to provide a reduction in energy, carbon and maintenance requirements.

These advantages coupled with the increased longevity of the LED light engine is becoming the preferred source, offering life costing reductions in energy and ongoing maintenance costs.

The diversity of applications and different design standards that are required to light our external environment provide a diverse range of both lighting levels and uniformities. Sugg Lighting have selected a range of LED light engine solutions that enable the designer to use the most applicable LED solution to meet the design requirements without overlighting or producing obtrusive light.

Selecting the optimum LED solution ensures that the most energy efficient light engine is used. With part night dimming available from a range of complex programmable controllers and programmable photo cells providing daylight saving and part night controls .



LED Light Bar



LED Street Lighter



LED panels



The materials used for the LED light engines and the heat sinks, are tested and provide a balanced combination of LED package for the individual luminaire.

The Sugg heritage range of luminaires, originally designed for gas lighting, over the years have developed to meet the ever changing lighting standards and the resulting developments of discharge lamp combinations.

The different enclosures and their differing thermal qualities require a balance of the most appropriate LED package, heatsink, and driver to meet the lighting application with the electronic controls and heat sinks all working within the thermal tolerances required for both the lighting performance and longevity.



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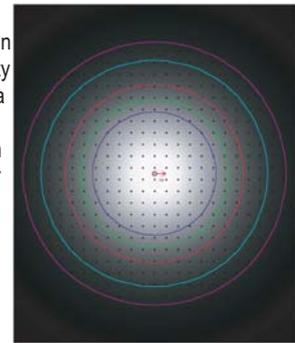
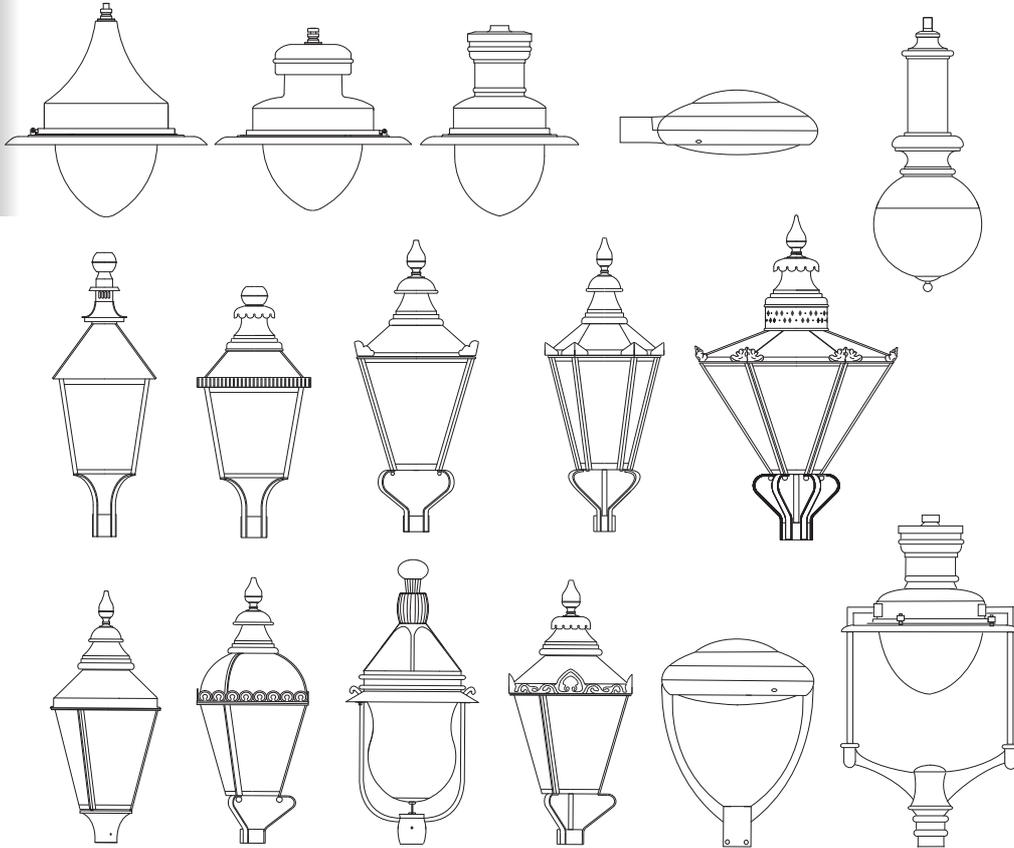
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This ensures that product developments and continued improvements are maintained.



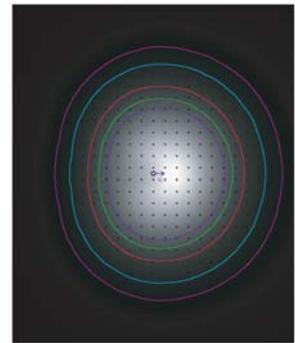
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LED Panels

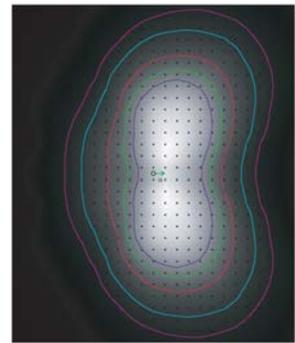
Sugg have three light engine panels each comprising of 24 high output LED's complete with heat sinks designed to run the LED's within a range of enclosures at the required temperatures. Three different output distributions provide flexibility of applications with a narrow road lighting twin beam distribution, a twin beam distribution with increased reach, and a symetric distribution for area applications where the columns are centrally positioned within an open amenity area. These units are fitted within a wide range of standard lanterns both IP54 and IP65, for replacement gear trays within an existing lantern enclosure with a low ingress protection. IP65 glazed sealed independant unit is also available for fittings with lower IP ratings.



Arbury Area 5m MH



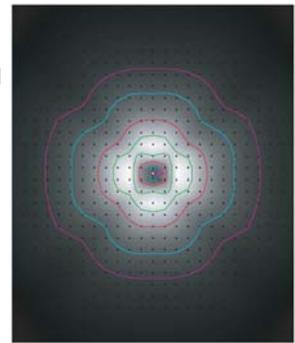
Arbury Road 5m MH



Arbury Narrow 5m MH

LED Lightbar

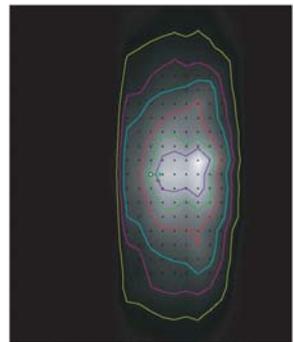
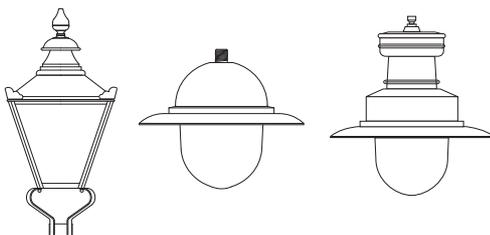
The Sugg LED bar substitutes a conventional lamp source replacing it with the 72w LED lamp package. The aluminium bar and heatsink dissipates the heat generated by the LED's for optimum lumen performance and life. This option is ideal for use in a vertical plane within the Sugg glass refractor which defuses the LED output. The Lightbar can also replace conventional lamps within existing optics with the addition of a defusion sleeve. The Lightbar provides a defused output similar to a coated lamp improving the overall uniformities.



Windsor LightBar 5m MH

LED Streetlight

The Streetlight advanced is a small 30w LED unit supplied with a fitted optical projector which produces a wide spaced road distributions from the lower mounting heights. This unit is ideal for small luminaries with a remote gear package and will meet the lower lighting categories and is ideal for village lighting applications.



Stavanger Street 5m MH

Please note: All distribution grids are 30m high and 28m wide with a 5m mounting height.



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