

Aluminium Extrusions in Lighting Applications

We drive past them every day with never a thought of their manufacture. They help to keep our roads safe at night and are way out of reach. Street lamps are a worldwide feature located on all important roads and are often manufactured from aluminium extrusions.

Street lamps made from aluminium extrusions – it's an obvious choice, due not just to the ease of manufacture but also to the native qualities of aluminium.

The street lamp columns must exhibit the following qualities:

- high quality
- safety
- durable
- light weight
- high corrosion resistance
- low cost of maintenance
- Conform to BS EN40

In an industry associated with constant innovation and revamping, the versatility of aluminium extrusions not only improves the efficiency in manufacturing and installing various components, but also offers a solution that is both aesthetically pleasing and functional.

Street Lighting can be made from steel or aluminium. However extruded aluminium allows for elegant, low maintenance columns with green credentials and increased design innovation possibilities.

Aluminium lighting columns are manufactured using a very different process to that of steel columns. The extrusion process allows for an array of cross sections and curves that can be incorporated into the column design and production process.

Aluminium column finishing can include anodising, painting or powder coating to provide colour variations and extra weather protection.

Surface Treatment

As road safety requirements are continually refined it is necessary not only to meet but exceed those requirements. Extruded aluminium columns and fittings offer a light weight, durable, corrosion resistant solution that meets those safety requirements.

Why use extruded aluminium instead of other materials?

- Aluminium is lighter making it easier to maintain the lighting unit
- Aluminium and its associated fixings are safer by design
- Extruded aluminium has a low cost of manufacture compared to other materials
- It can be anodised or powder coated maintaining its appearance and won't rust or rot

ABL Components One Stop Shop

ABL Components have worked with many clients to provide tailored solutions to their requirement for aluminium extrusions in the lighting sector. ABL's ability to offer a one stop shop solution that includes saw cutting, cnc machining, anodising, painting, stockholding of not only the extrusions but also all other parts of the lighting BOM , final assembly and electrical testing , packing and delivery to site. Thus they provide a unique service for their customer base, located both in the UK and around the world.

Their experience in this sector, aligned with the capabilities and equipment they have in-house, make ABL the ideal partner for all your needs in the lighting market.

Contact ABL today to learn more about how they can assist you in the lighting market.

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