

# zeta

## Specialist Lighting

### TFL Station Infrastructure LED development

**Zeta Specialist Lighting** designed a bespoke lighting solution for Transport for London.

Freestanding Totems are used as primary signage identifier for large public transport termini, providing clear, helpful information relating to transport services and local amenities.

Zeta was asked if they could provide a mains powered lighting system that would be maintenance free with a good level of illumination. The light output would need to compete with traditional fluorescent lighting and easily integrate with the current Totem design.

In response, by scaling their standard LED 'Flat Light' technology, Zeta designed a **bespoke solution** to meet this custom application.

The high level of brightness was achieved by using the very latest ultra-bright LEDs from Cree which offer market leading lumens per watt and **50,000 hours lifetime**. Using Zeta's light diffusing material the luminaire provides an even illumination over the entire display avoiding the banding associated with standard fluorescent lighting.

The end result is a lighting system that provides cost effective, energy efficient lighting for the Totem's lifetime with no servicing or replacement bulbs required.

The Totem is found at Finsbury Park Interchange.  
Client: Transport for London, Trueform Engineering Limited.

