



Case study

A5 Tamworth

Location
Philips Lighting

Highways Agency Area 9, A5 Tamworth
SpeedStar with LEDGINE

PHILIPS



“The Philips SpeedStar installation on the A5 Tamworth Bypass ensures that all of the luminaire's bright, white light is focused on the highway, reducing energy consumption, increasing road safety for motorists and helping to significantly minimise light pollution.”

Roy Cupples Electrical Design Manager, Amey



Philips demonstrates the power of LED by providing A5 Tamworth Bypass motorists with a safe, sustainable and cost effective road lighting solution



Fast Facts

Customer

The UK Highways Agency

Location

Highways Agency Area 9, A5 Tamworth

Philips Products

SpeedStar GreenLine, 199W LED

SpeedStar GreenLine, 80W LED

SpeedStar GreenLine, 60W LED)

Project in Partnership with

Amey

Geometry

ME2 Class, 12m mounting height with 2m bracket arm,

Twin Central maximum spacing - 43m

Background

Philips in collaboration with the UK highways agency and contractors Amey - provided LED lighting along the A5 Tamworth Bypass, a busy highway transporting motorists through the West Midlands. The road lighting now uses Philips' SpeedStar LED luminaire; a highly energy-efficient solution that combines bright LED light with reduced energy consumption to provide motorists with a safer driving environment.

Increasingly, public authorities across the UK are seeking lighting solutions which not only meet targets for reducing energy consumption but also comply with lighting norms and standards while ensuring that safety is not compromised. Philips is revolutionising functional outdoor lighting for major roads in the city, and with SpeedStar the Tamworth Bypass now has an extremely energy-efficient solution.

The Solution

Philips introduced the SpeedStar, incorporating LEDGINE delivering white light of consistent high quality, brightness and intensity, whilst cutting energy costs by up to 70%. Amey has commented that with SpeedStar overall savings on energy consumption will be £6981 and CO₂ reduction will be 47.4 tonnes per year compared to existing schemes. An additional benefit of the SpeedStar application is the longer lifetime of LED lighting, which will help minimise maintenance needs. This will both lower operational costs and improve traffic

planning to avoid disruption to road users. SpeedStar has a long lifetime of 60,000 hours, thereby eliminating the maintenance and replacement required by traditional lighting. Amey has estimated that maintenance visits will now be reduced from three to six visits per year saving approximately £6000 in maintenance costs over the six year period.

SpeedStar can also transform the night scene with high-quality white light, helping to prevent accidents and make the Tamworth Bypass even safer. White LED light makes roads safer for drivers and as visibility is a critical factor in road safety and tests show that this is improved with white light. Not only can drivers detect roadside movement more quickly, they also have more time to stop should something be about to cross their path. As such, SpeedStar luminaire can address some of the fundamental concerns about safety on major highways while also providing a sustainable solution and improving the safety standards for motorists.

Philips' expertise and unrivalled knowledge has enabled them to provide lighting solutions to the Tamworth Bypass that are practical, but also energy efficient and sustainable. Solutions that make cities and roads like the Tamworth Bypass safer while still respecting the planet.

If you would like to see more projects or have an enquiry, please visit us at www.philips.co.uk/lighting or email: lighting.uk@philips.com



Contact details:

Philips Lighting
Philips Centre
Guildford Business Park
Guildford
GU2 8XH

Philips Electronics Ireland Ltd
Philips House
South County Business Park
Leopardstown
Dublin 18

Tel: +44(0)845 601 1283
Email: lighting.uk@philips.com
Web: www.philips.co.uk/lighting



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