



ARRIVA RAIL LONDON

Dexeco
SOLUTIONS

ABOUT THE CLIENT

Arriva Rail London operate the London Overground railway network spanning 23 London boroughs, running over 1500 services and carrying over half a million passengers a day.

As part of their ongoing programme of investment to ensure the quality and reliability of their infrastructure, to improve the passenger experience and also to continue their ongoing commitment to reduce carbon and environmental impact, Arriva Rail London have recently undergone a programme of lighting replacement across their estate.



THE SOLUTION

Following an intensive tender process to ensure that Arriva Rail London were procuring a solution that would provide best value over lifetime, Dexeco were selected to supply products to replace lighting on open platforms and under canopy areas. Detailed surveys and lighting schemes were undertaken to ensure that the proposed solution would provide Arriva Rail London with a safe and compliant solution whilst achieving the energy savings required.

Three product ranges were selected from the range to fulfil the requirement. The Opus Column was used on open platform areas to replace the existing HID luminaires. With a bespoke

lensed optic the Opus range has been optimised for railway platform applications to ensure that the light is cast directly where required with a minimum of wasted light, whilst the broad sideways throw enables lower lumen outputs to be used minimising energy consumption even with wide column spacings. The Opus column is supplied with an adjustable spigot suitable for base or horizontal mounting, three spigot sizes and a prewired lead for rapid installation. Additional options in this range are NEMA socket, photocell and presence sensor allowing luminaires to be dimmed during periods of absence providing further energy savings.



THE SOLUTION

Under canopy and bridge areas both the Eco Impervia and the Tanek LED were used to replace existing linear fluorescent luminaires. With its glass reinforced polyester housing and injection moulded polycarbonate diffuser the Eco Impervia provides a robust IP65 solution with excellent energy efficiency compared to fluorescent equivalents. The Eco Impervia range is also available with an optional integral presence detection and daylight regulation sensor providing further energy savings, as well as integral emergency and dimming variants.

The Tanek LED was installed in more accessible areas where there was deemed to be a greater risk of vandalism. With a 3mm thick injection moulded diffuser and 1.2mm steel housing, the Tanek's IK10 rating ensures that it can withstand significant attacks, yet does not compromise efficiency, performance and flexibility with its highly efficient LED source and wide range of options including cornice and slimline housings in 1200 and 1500mm variants, two body colours and a wide range of lumen outputs, dimming and emergency options.



On completion of the project, Peter Cumlin, Project Manager for Arriva Rail London stated:

“At Arriva Rail London we constantly seek to reduce the environmental impact of our services whilst continuously investing in the estate to ensure that our customers enjoy a safe and pleasant environment throughout their journey. By installing state of the art LED lighting in our platform and canopy areas we have achieved an estimated 50% reduction in the lighting electrical load, whilst simultaneously improving the quality and reliability of lighting in these safety critical areas. This project was undertaken in partnership with Dexeco, given the pressured deadline and necessity to maintain product quality and focused service throughout it was critical we selected a partner who could deliver in all areas consistently.”

FEATURED PRODUCTS



OPUS COLUMN



ECO IMPERVIA LED



TANEK