



# ENERGY SAVINGS & LOWER RUNNING COSTS AT KINGS CROSS STATION, LONDON

## LEDVANCE HELPS ICONIC LONDON STATION TO CUT ENERGY & RUNNING COSTS

### FACTS AT A GLANCE

#### A LIGHTING SOLUTION TO REDUCE ENERGY AND MAINTENANCE COSTS

The customer wanted to replace its old conventional 400W metal halide lamps with a solution that significantly reduce maintenance costs and energy consumption while future-proofing the building's illumination systems.

### SAME LOOK, ADDED BENEFITS

The Victorian building is a site of national significance and even small changes to its structure require planning authority approval. While looking the same as the old lights, the new LEDVANCE solution provides significant energy savings whilst lasting longer.

### FUTURE PROOF CONTROL

With DALI-2 certification, they can also be used with any lighting-control system that may be installed in the future.

### HIGHBAY DALI





# KINGS CROSS STATION SWITCHES TO LEDVANCE TO CUT ENERGY, MAINTENANCE & RUNNING COSTS

New High Bay DALI Luminaires from LEDVANCE provide modern benefits in Grade 1 listed landmark.

## THE CHALLENGE

The old lamps originally installed at the iconic train station were failing frequently and changing them required specialist lift equipment which, for health and safety reasons, could only be used at certain times of the night when the concourse was empty. The station needed new luminaires that were far more reliable and energy efficient, but to keep in line with the original appearance of the building, they had to look the same as the old lamps.

## THE SOLUTION

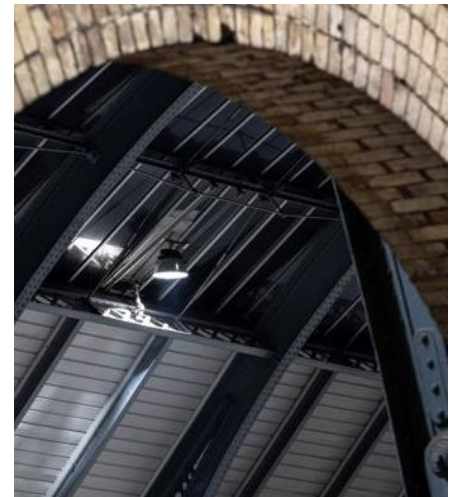
LEDVANCE LED HIGHBAY solutions have been installed across platforms 1-8 at London's historic Kings Cross Station in a move that will significantly reduce maintenance costs and energy consumption while future-proofing the building's illumination systems. The recently completed retrofit saw numerous traditional 400W metal halide lamps replaced with LEDVANCE High Bay DALI 115W 4000k luminaires with IP65

protection, fitted with high quality aluminium reflectors. Over 160 High Bay DALI 155W, 4000K LEDs and reflectors have been installed across eight platforms at Kings Cross, providing energy savings of up to 60% compared to conventional high bay luminaires. LEDVANCE High Bay solutions are an ideal replacement for luminaires with mercury vapour or metal halide lamps as they offer the flexibility of being dimmable and can switch on and off instantly, allowing savings to be realised through daylight and occupancy-dependent operation.

## THE BENEFITS

While looking the same as the old lights and providing the same amount of brightness – both essential requirements, the new High Bay units use much less electricity and last far longer, providing a constant luminous flux across their five-year guaranteed lifespan. Thanks to their DALI-2 certification, they can also be used with any lighting-control system that may be installed in the future at the station, another important feature

In addition to the much lower energy consumption, LEDVANCE High Bay LEDs need replacing less frequently leading to maintenance cost savings.



## SUMMARY

The LEDVANCE High Bay luminaire provided the ideal solution to energy efficiencies and lowering maintenance costs whilst also keeping to its original appearance.

