



# Kongs Warehouse

## Reliable light from top to bottom shelf

*By retrofitting 49 existing metal halide fittings with the appropriate LED lighting solution, Kongs Distribution Warehouse were able to reduce maintenance costs and bring light levels up to a much more comfortable level for employees. Saving money and increasing safety.*

### Challenges

Kongs Distribution Warehouse was originally lit using 400w Probe Start Metal Halide Lamps and suffered continued maintenance due to lamp outages. The lamps also had high lumen depreciation and after only 6000 hours had a 32% reduced light output.

Kongs Warehouse has a 10m ceiling height, which posed a significant accessibility burden for the in-house maintenance operator regarding lamp maintenance. This 10m mounting height further emphasised the light depreciation levels and reduced light quality of the existing MH lamps.

### Solutions

The chosen LED solution needed to ensure long life, and also maintain the required illumination at ground level and on racking. By investing in the Cree CXB, Kongs have eliminated their maintenance burden – backed by the Cree industry leading 10 Year Warranty.

The CXB is a flicker free lighting solution with excellent colour rendering and light distribution. Low lumen depreciation ensures light levels will remain stable for over 16x longer than the original 400w Metal Halide Lamps.

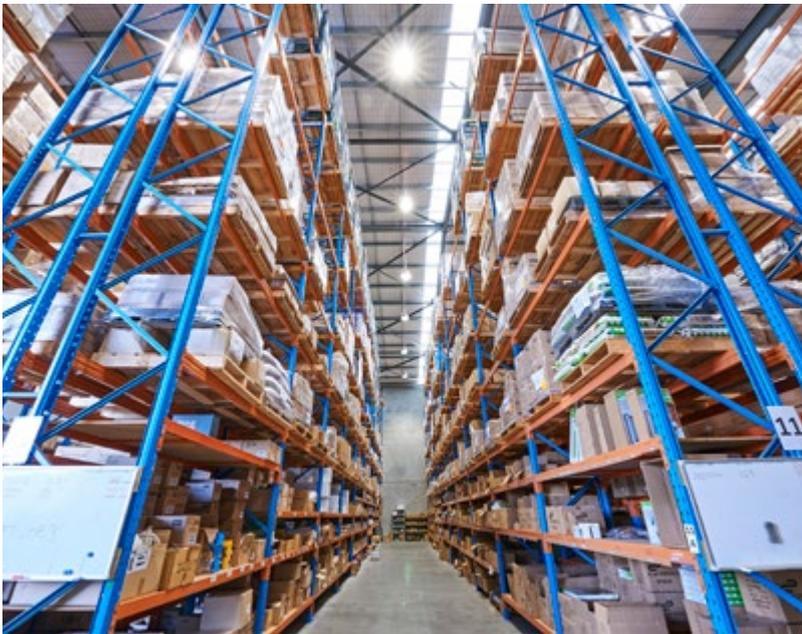
Switching from Metal Halide to this LED solution also offered a approximated 54% decrease in energy consumption.

### Key Benefits

- **Fit & Forget- zero maintenance**
- **Superior Lumen Depreciation Values**
- **Approx. 54% energy cost savings**
- **CRI increase from 65 to 80**

*Light up your world!*





“Dealing with ADLT during this change was a pleasure. We were able to purchase as many lights as we needed at a time and they were always delivered on time and with a smile. The cost will be recovered quickly since we are no longer spending time changing light bulbs on a weekly basis. No more bulb outages means happier warehouse staff.”

— Sylvia Dovaston, Chief Financial Officer at Kongs



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**Project Title**

- Kongs Warehouse, Tauriko, Tauranga

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**Client**

- Kongs New Zealand Ltd

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**Advanced Lighting Specialist**

- Martin Jesson

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**Project Completion Date**

- September 2016

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**Applications**

- Warehouse

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**Services**

- Lighting calculation services
  - Product supply
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**Product**

- Cree CXB Highbay Series
- Aluminium Reflector



Cree CXB Highbay Series

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**Product Warranties**

Light Fittings – Cree Manufacturer’s  
Warranty of 10 years

Light Fittings - Application Life of 20 years

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*Light up your world!*

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