

## Case Study

Wallenius Wilhelmsen, international logistics specialist, enjoyed an extremely successful upgrade of their 1000W MH highbays with the latest Primo 40K 280W highbays.



**primo**  
FIRST FOR HIGH PERFORMANCE  
LED HIGHBAYS

**W** Wallenius  
Wilhelmsen

### Summary

Wallenius Wilhelmsen Logistics is a major international logistics company with operations around Australia.

They wished to upgrade 400W and 1000W metal halide highbays and floods internally and externally at their Wollongong truck maintenance operation.

Tigerlight's lighting plan showed that the target of 400 lux could be met using a combination of lower wattage fittings in lower mounting heights, and the new Primo 40K highbay replacing 1000W HID highbays in the higher positions. No rewiring was necessary.

### Challenge Faced

The challenge was to achieve 400 lux in the most energy-efficient manner possible, replacing existing fittings on a one-for-one basis, in the same positions.

Given the variation in mounting heights, lower wattage fittings could be installed at the lower heights and higher output fittings in the higher positions.

### Solution

The lighting plan called for existing lighting to be replaced as follows:

- 16 x 1000W MH highbays at 18m with  
16 x Primo 40K 260W 40,000 lumen highbays  
These are very impressive high performance fittings
- 33 x 400W MH highbays at 8m with  
16 x Primo 21K 125W/21000 lumen highbays and  
17 x Primo 12K 80W/12000 lumen lowbays
- 16 x 400W MH floods on the walls at 8m with  
16 x 120W Tiger MegaFloods - 16500l @140+I/W

Also, external lighting was upgraded as follows:

- 2 x 1000W and 30 x 400W floods replaced with  
2 x 300W and 30 x 120W Tiger MegaFloods.

The target of 400 lux was achieved to meet Australian standards. Light levels were improved greatly.

The result was a power saving of a massive 75%, due to an innovative lighting plan with high performance industrial fittings producing 150+ I/W.



ABOVE LEFT: Primo 40K LED Highbays at 18m, illuminating the vehicle maintenance operation at Wallenius Wilhelmsen Logistics, Woolongong, NSW  
 ABOVE RIGHT: Primo 12K Lowbays and Primo 21K Highbays in the lower ceilings at 8m.  
 FRONT PAGE: 120W MegaFloods on walls at 6m and Primo 40K highbays in ceiling mounted at 18m, replacing 1000W MH Highbays.

**Primo 40K**  
**Dimmable LED Highbay**  
 40,000 lumens • 260W @ 150 lm/W

- Industry leading output of 40,000 lumens from just 260W@ 150 lm/W
- Replaces 1000W+ HID at 12-25+m
- Dimmable 1-10VDC with light or motion sensors for use under skylights, near windows and near access doors
- 60 degree beam spread
- Polycarbonate lens - no glass
- IP65



260W lamp power | 40,000 lumens | 150 lm/W | 60° BEAM | IP 65 | IK 08 | 5 Year Warranty

DESIGNED & BUILT IN KOREA FOR EXTRA HEAVY DUTY



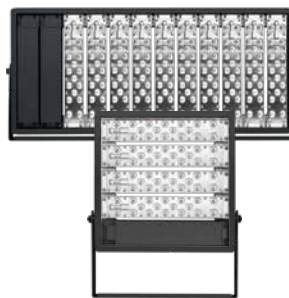
**Primo 12K**  
**Dimmable LED Lowbay**  
 12,000 lumens • 80W @ 150 lm/W

- State-of-the-art LED lowbay
- Low-glare design
- 5-8+m



**Primo 21K**  
**Dimmable LED Highbay**  
 21,000 lumens • 125W @ 170 lm/W

- Industry-leading performance
- 8-18+m



**Tiger MegaFloods**  
 120W - 16,500 lumens @ 140 l/W  
 300W - 41,800 lumens @ 140 l/W

- Numerous lens & bracket options
- Stainless steel fascia - no glass.
- IP67.

**MEGAFLLOOD**  
 by tigerlight