

Case Study

Laminex has implemented a complete LED lighting upgrade at their Bunbury plant. Their selection process favoured their own brand attributes of performance and durability



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FIRST FOR HIGH PERFORMANCE
LED HIGHBAYS



Summary

Laminex Bunbury is a primary production site with multiple plants for paper treatment, particle board and low pressure melamine panel production.

The company has built a strong relationship with Tigerlight over the past 5 years, installing Tiger LED highbays and floods in the plant, ahead of this major cross-the-board upgrade with the latest high performance industrial LED lighting.

Challenge Faced

The Bunbury operation is a 24/7 facility and therefore true industrial quality lighting was required.

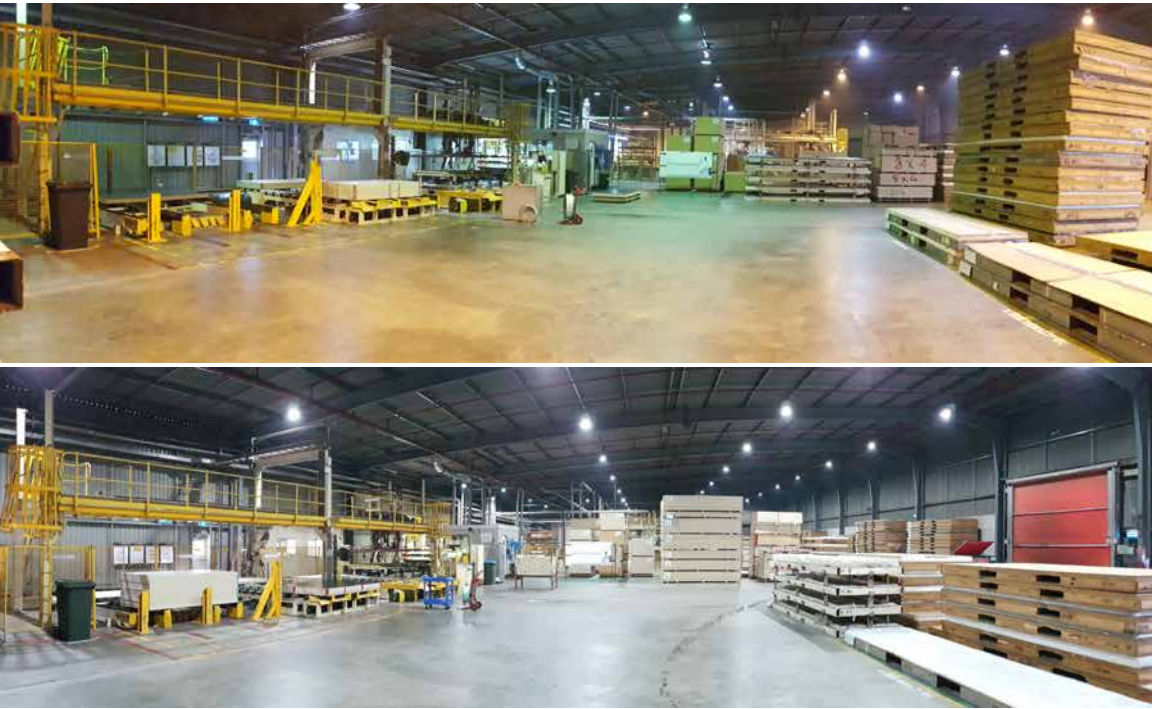
The quality and evenness of light is especially important in this environment for managing surface colour and texture.

Solution

The program involved the replacement of over 300 x 400W metal halide highbays and floodlights with:

- 32 x Primo 90W LED lowbays
- 286 x Primo 145W dimmable LED highbays
- 12 x Tiger LED 120W MegaFloods
- 300+ LED tubes were also installed into existing fittings in the offices, walkways and work areas.

Laminex had also recently installed Primo 400W LED Floods and 750W Tiger LED MegaFloods to upgrade the external lighting around the woodchip and loading areas.



ABOVE LEFT: Improved light quality in Process Plant 2. TOP: Before the upgrade. BOTTOM: After upgrade. RIGHT: 750W MegaFlood in the loading area.

Solution – continued

Laminex selected Tiger LED fittings based on their:

- True industrial product quality to suit the 24/7 site
- Light output
- IP rating and CRI
- Strength of warranty support
- Favourable experience with Tiger’s local customer service over the past 5 years.

Feedback to-date has been very positive.

The power load from these light fittings has been reduced from 157kW down to only 50kW.

The additional brightness and improved light quality and clarity has been appreciated by Laminex production staff. See photographs above for a comparison of the light quality before versus after installation.

Tiger 2K LED Tube, 13W

- Exceptional light output
- 2,000 lumens @150 lm/Watt
- Polycarbonate construction
- Replaces 36W fluoro tubes
- Supplied with fuse to replace starter.



Tiger LED MegaFloods 120W & 750W

- 14,900lm & 92,600lm @120lm/W
- Replacing up to 2000W HID
- Modular design with polycarb lenses and stainless fascia.
- 10 lens options to suit
- IP67 rating.



Primo 90W LED Lowbay/Highbay

- 12,000 lumens
- Replaces 250-400W HID
- Height from 5+ metres
- 115 degree beam spread
- Polycarbonate lens
- IP65.



Primo 145W Dimmable LED Highbay

- 16,000 lumens
- Replaces 400W+ HID
- Dimmable 1-10VDC
- 115 degree beam spread
- Height 8-14m
- IP65.

