



## Case Study

Boral Timber trialled 20 LED brands for their seven NSW hardwood mills. The brief was challenging but the Primo 90W Lowbay nailed it.



**primo**  
FIRST FOR HIGH PERFORMANCE  
LED HIGHBAYS

**Boral  
Timber**



### Summary

Boral Timber wished to undertake a roll-out of energy-efficient lighting at 7 of its mills in NSW and road-tested 20 different LED lowbays before selecting Primo 90W LED Lowbays.

Primo 145W Dimmable highbays were also installed in key areas with higher lux requirements.

Significant ESS rebates were claimed.

### Challenge Faced

Timber mills can be difficult environments for LED lighting and due to the dust and the voltage fluctuations. IP rating of at least IP65 was necessary as well as a wide voltage range for the drivers.

The sites have different requirements for inspection areas both pre and post manufacture.

### Solution

The program involved the replacement of more than 600 x 400W metal halide highbays and floodlights by:

- 460 x Primo 90W LED lowbays throughout
- 40 x Primo 145W dimmable LED highbays for the inspection and sorting tables
- 100 x Tiger LED 120W MegaFloods for the output areas.

The roll-out schedule was over 4 months, across 7 sites at Murwillumbah (2 stages), Herons Creek, Nowra, Narooma, Grafton and Kyogle.

Completion of all installations across all seven sites was scheduled for July 2016.



Primo 90W LED Lowbays at Boral Timber's Herons Creek Wet and Dry Mill.

### Solution – continued

The following attributes were seen to be important in selecting suitable fittings:

- IP rating - IP65 minimum - and CRI
- Ability to purchase through their normal wholesaler
- Manufacturing quality
- Strength of warranty support
- IPART approval for the ESS rebates
- Tigerlight knowledge and customer service.

Overall, a very significant proportion of the capital outlay was returned in the form of a cash rebate under the NSW Energy Saving Scheme.

### Tiger LED MegaFlood 120W

- 12,600 lumens @ 110 lumens/W
- Replaces 400W HID
- Modular design with polycarbonate lenses and stainless fascia.
- Standard lenses are 90 deg round, with 10 other options available 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.

