



## Case Study

Regis Resources wished to upgrade the lighting over the Run-of-Mine ore pad at their Garden Well open-pit mine in WA's northern goldfields area. Tiger 400W & 900W floodlights provided the solution.



### Summary

The Garden Well open pit mine has been operating since 2012. It is a 24 x 7 operation.

The provision of adequate light over the Run-of-Mine pad and crusher are vital to the safety and efficiency of the processing throughout the night.

Tigerlight replaced existing lighting with heavy duty industrial floodlighting sufficient to illuminate the area from 15m light towers.

### Challenge Faced

There are 3 x 15m light towers over the Run-of-Mine ore pad and primary crusher, approximately 60m apart.

Regis Resources mine management wanted to increase the light levels over this important area, as well as reduce the costs of running and maintaining the existing HID lighting.

### Solution



The existing lighting was comprised of 1000W and 2000W MH floods, which were seen as inefficient, high maintenance and not offering inadequate light for the purposes of running the mine safely and successfully on a 24/7 basis.

Tigerlight's replacement fittings were:

- 5 x 900W Tiger MegaFloods replacing the 2000W HID floods on two of the 15m poles over the area surrounding the crusher. Each produces 126,000 lm.
- 4 x Primo 400W Powerfloods replacing the 1000W HID floods on the towers lighting the access road as well as one mounted onto a short pole directly over the crusher entrance.

Mine management is extremely pleased with the dramatically increased light levels and the savings in power consumption and maintenance.



TOP: Regis Recources' Garden Well Run-of-Mine ore pad over the primary crusher, illuminated by a total of 9 high-output LED floodlights.  
 ABOVE LEFT & CENTRE: 5 x Tiger 900W MegaFlood LED floodlights on two 15m poles positioned to illuminate the crusher, as well as the turning area & access roads. A 400W floodlight is on a shorter pole directly over the entrance to the crusher. ABOVE RIGHT: Another 15m pole carrying 3 x Primo 400W LED floods.

### Tiger LED MegaFloods 450-900W Replacing 1000W TO 2000W HID



450W	600W	750W	900W
63500lm	84700	105000	126000

- High output LEDs and renowned Philips Xitanium drivers
- Modular construction with stainless steel fascia
- 2 bracket options for wall/pole or spigot mounts
- 14 lens options
- IP67. No glass.

#### MEGA900



#### Dimensions of 900W MegaFlood

With Wall/pole bracket:  
1042 L x 680 W x 373mm H  
Weight 30.7kg

With Spigot mount bracket:  
1065 L x 635 W x 123mm H  
Weight 30.7kg.



450W MegaFlood with 62mm Spigot-mount bracket



450W MegaFlood with flood bracket

### Primo 400W Powerflood Replacing 1000W HID

- 40,000 lumens at 100+ lm/W
- Replaces 1000W HID
- Area light lenses
- 45 degree lenses also available
- IP67
- Korean designed and made for harsh environments.

